Annual Water Quality Report
2024 Sampling Data

WDC Acquisition LLC Landfill
Permit No. 88-SDP-4-86P

Prepared For:

WDC Acquisition LLC
Creston, Iowa

4000:PA009580
January 2025

Prepared By:

Penn Environmental & Remediation, Inc.
100 Ryan Court, Ste 20
Pittsburgh, PA 15205

Penn E&R
Environmental & Remediation, Inc.

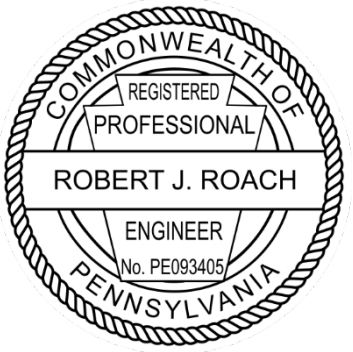
Annual Water Quality Report
2024 Sampling Data
WDC Acquisition LLC Landfill
Creston, Iowa

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Robert J Roach Date 1/31/2025

Robert Roach, P.E.
Senior Project Engineer

License No. P27705 My renewal date is 12/31/2025



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Executive Summary

EXECUTIVE SUMMARY

Penn Environmental & Remediation, Inc. (Penn E&R) was retained by WDC Acquisition LLC (WDC) to complete semiannual and annual reporting for the WDC Landfill (Landfill) located in Creston, Iowa (**Figure 1**). In accordance with Iowa Administrative Code (IAC) 567-115.26(8)d and Special Provision No. 4.h. of the current Iowa Department of Natural Resources (IDNR) Sanitary Disposal Project Permit No. 88-SDP-4-86P (Permit), this Annual Water Quality Report (AWQR) summarizes the effect that the Landfill is having on groundwater and surface water quality with respect to operation of the Landfill.

Industrial wastes including reclaimed foundry sand waste, baghouse/dust collector wastes, and treated magnesium dross waste have been disposed in the Landfill. The amounts and types of wastes accepted under Special Waste Authorizations are not applicable to the Landfill (special wastes not accepted).

The approved Hydrologic Monitoring System Plan (Green Environmental Services, Inc., February 1993) for the Landfill includes two upgradient monitoring wells. Well MW-7 is the upgradient control point for downgradient Well MW-12; Well MW-8 is the upgradient control point for downgradient Wells MW-11, MW-13, MW-16, and MW-17. Well MW-8 is a water table well located in a well cluster with intermediate Well MW-7. Well MW-13 is a water table well located in a well cluster with intermediate Well MW-12. Wells MW-11, MW-16, and MW-17 are water table wells. Wells MW-44, MW-45, MW-46, MW-47, MW-48, and MW-49 were constructed in September 2017 to monitor downgradient off-site water quality. Wells MW-44, MW46, and MW-48 are downgradient off-site water table wells. Wells MW-45, MW-47, and MW-49 are downgradient off-site intermediate wells. The Hydrologic Monitoring System Plan also designates Wells MW-6, MW-9, MW-10, MW-14, MW-15, and MW-18 as water level measuring points. Nearby Wells MW-19 and MW-20 and the Landfill piezometers are also used as water level measuring points, for reference only. In addition, there is one surface water monitoring point (SW-01) for the hydrologic monitoring system.

This report summarizes the results of the first and second semiannual monitoring events conducted during 2024. Sampling and analysis protocols for the first and second 2024 semiannual events followed the current RCRA Facility Investigation Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP), Revision 3, dated August 2017. Surface water samples were only collected during the first 2024 semiannual event. Due to a lack of surface water flow at the subject monitoring location, no samples were collected during the second semiannual event.

As part of the Monitoring Well Maintenance Performance Reevaluation Plan (Green Environmental Services, Inc., February 1993) that was prepared in accordance with the requirements of IAC 567-115.21, the integrity of the hydrologic monitoring system is evaluated on an annual/biennial/periodic basis in conjunction with the sampling events. For example, O. A. Technical measured the total depth in each monitoring well to evaluate effects from siltation or obstructions and visually inspected the protective casing of each well for a lid, lock, and intact concrete seal. In addition, any visual damage or standing water in the protective casing was also noted. The results from the well inspections conducted during the first and

second 2024 semiannual events indicate that the monitoring wells are in generally good condition. Most of the wells had functional and locking protective casing lids and no observed damage.

Groundwater elevations for the shallow or water table wells are typically used to produce the potentiometric surfaces. Groundwater flow was from the northwest to the southeast during the first and second 2024 semiannual events. Horizontal groundwater flow directions for the two semiannual events are similar to historical conditions observed within and adjacent to the Landfill. Wells MW-7 and MW-8 (also MW-6 for elevation only) continue to function as hydraulically upgradient wells, while the remaining wells continue to serve as hydraulically downgradient monitoring points. The horizontal and vertical locations of the monitoring wells are satisfactory relative to the location of the Landfill and the nature of the subsurface strata of interest.

At the direction of IDNR (February 18, 2015 IDNR correspondence), the 567 IAC Chapter 137 Iowa Statewide Standards for both protected and non-protected groundwater sources are reported along with the analytical data for samples obtained during the reporting year. USEPA standards including the Maximum Contaminant Levels (MCL), Secondary Maximum Contaminant Levels (SMCL), and Health Advisory Levels (HAL) are also reported. Reported values that exceed one or more standards are also identified.

A statistical evaluation of the analytical data is completed in accordance with IAC 567-115.26(6) using a spreadsheet. The input data includes field measurements and analytical results from samples obtained from the approved hydrologic monitoring system (MW-7, MW-8, MW-11, MW-12, MW-13, MW-16, MW-17, MW-44, MW-45, MW-46, MW-47, MW-48, and MW-49). To describe the ambient or background water quality conditions at the site, available data from each upgradient monitoring location are used to compute a mean concentration, standard deviation, and statistical Upper Limit for each parameter of concern. The Upper Limit is computed as the mean concentration from the upgradient well samples plus two standard deviations. The Upper Limit represents the concentration of a particular parameter that statistically represents the highest concentration expected considering ambient water quality conditions.

The concentration of each parameter in downgradient monitoring locations is compared with the Evaluation Limit (lesser of the MCL and Upper Limit for that parameter), as calculated for the appropriate background monitoring location. Data for each background monitoring location are also compared to the Evaluation Limits for that background location. From this comparison, statistical exceptions which may represent impacts of the Landfill are identified.

Time trend graphs present available data for the parameters of concern, along with a plot of the current Evaluation Limit. From these graphs, general decreasing or increasing trends are noted.

Based on an evaluation of the first and second 2024 semiannual event data, recommendations for the sampling and analytical program for the 2025 reporting year are provided.

Acronyms and Format

ACRONYMS

AL = Action Level

BOD = Biochemical Oxygen Demand

CL = Control Limit (M+/-2SD)

cm/s = Centimeters per Second

COD = Chemical Oxygen Demand

°F = Degrees Fahrenheit

ft = Feet

Ft MSL = Feet Above Mean Sea Level

GWQAP = Groundwater Quality Assessment Plan

HAL = Health Advisory Level

LEL = Lower Explosive Limit

M+/-2SD = Mean Plus/Minus Two Standard Deviations

mg/L = Milligrams per Liter

MCL = EPA Maximum Contaminant Level

N = No

NA = Not Applicable or Not Available; Not Analyzed (Table Specific)

NC = No Change

NR = Not Reported

NS = Not Sampled

RAMP = Remedial Action/Mitigation Plan

RL = Reporting Limit

SMCL = Secondary Maximum Contaminant Level

SS = State Standard

SSNPGS = Statewide Standards Non-Protected Groundwater Source

SSPGS = Statewide Standards Protected Groundwater Source

s.u. = Standard Units

TDS = Total Dissolved Solids

TOH = Total Organic Halogens

TSS = Total Suspended Solids

umhos/cm = Micromhos per Centimeter

µg/l = Micrograms per Liter

VOCs = Volatile Organic Compounds

Y = Yes

Site Background Narrative

BACKGROUND INFORMATION

The approved Hydrologic Monitoring System Plan (Green Environmental Services, Inc., February 1993) for the Landfill includes two upgradient monitoring wells. Well MW-7 is the upgradient control point for downgradient Well MW-12; Well MW-8 is the upgradient control point for downgradient Wells MW-11, MW-13, MW-16, and MW-17. Well MW-8 is a water table well located in a well cluster with intermediate Well MW-7. Well MW-13 is a water table well located in a well cluster with intermediate Well MW-12. Wells MW-11, MW-16, and MW-17 are water table wells. Wells MW-44, MW-45, MW-46, MW-47, MW-48, and MW-49 were constructed in September 2017 to monitor downgradient off-site water quality. [These off-site wells were constructed in response to an IDNR letter dated February 18, 2015 requesting additional wells to delineate contamination plumes and to fulfill commitments associated with the ongoing Resource Conservation and Recovery Act (RCRA) Facility Investigation at the facility. The location, construction, and monitoring of these off-site wells were coordinated with both IDNR and USEPA to satisfy the requirements of both agencies.] Wells MW-44, MW46, and MW-48 are downgradient off-site water table wells. Wells MW-45, MW-47, and MW-49 are downgradient off-site intermediate wells. The Hydrologic Monitoring System Plan also designates Wells MW-6, MW-9, MW-10, MW-14, MW-15, and MW-18 as water level measuring points. Nearby Wells MW-19 and MW-20 and the Landfill piezometers are also used as water level measuring points, for reference only. In addition, there is one surface water monitoring point (SW-01) for the hydrologic monitoring system. **Figure 5** depicts the sampling locations.

Quarterly sampling of the approved hydrologic monitoring system was conducted from March 1993 through December 1993 at the Landfill. Semiannual monitoring was initiated in March 1994. It should be noted that quarterly sampling of all approved monitoring points and all water level measuring points for additional parameters specified in the Groundwater Quality Assessment Plan (Howard R. Green Company, 1996) was conducted from March 1996 through March 1997. Following March 1997, the sampling schedule for the additional parameters was reduced again from a quarterly to a semiannual basis. Based on the recommendations contained in the AWQR for 2002, the semiannual sampling program for reporting years 2003 through 2024 has been repeatedly adjusted to reflect current permit conditions and IDNR instructions.

Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-4-86P

Monitoring Well	2024 Evaluation Limit Exceedances	Total # of Samples in Each Monitoring Program since January 1, 2018		
		Routine	Supplemental	Remedial Action
MW-6	NA	0	8	0
MW-7	Specific Conductance, Chemical Oxygen Demand, Lithium, Sulfate	8	0	0
MW-8	Chemical Oxygen Demand	8	0	0
MW-9	NA	0	8	0
MW-10	NA	0	8	0
MW-11	Specific Conductance, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethylen, Chemical Oxygen Demand (COD), Chloride, Fluoride (Total and Dissolved), Boron, Aluminum, Beryllium, Magnesium, Manganese, Nickel, Strontium	8	0	0
MW-12	Specific Conductance, 1,1-Dichloroethane, Nitrogen-Ammonia, Chemical Oxygen Demand (COD), Chloride, Sulfate, Boron, Cobalt, Magnesium, Manganese, Nickel, Strontium	8	0	0
MW-13	Specific Conductance, 1,1-Dichloroethane, Benzene, trans-1,2-Dichloroethene, Vinyl Chloride, Nitrogen-Ammonia, COD, Chloride, Fluoride (Dissolved and Total), Sulfate, Boron, Aluminum, Arsenic, Cobalt, Magnesium, Manganese, Nickel, Strontium, Iron (Dissolved)	8	0	0
MW-14	NA	0	8	0
MW-15	NA	0	8	0
MW-16	pH, Specific Conductance, 1,1-Dichloroethane, cis-1,2-Dichloroethene, COD, Chloride, Fluoride (Dissolved), Sulfate, Boron, Cobalt, Magnesium, Manganese, Nickel, Strontium	8	0	0
MW-17	pH (Sept. 2023), Specific Conductance, COD, Chloride, Fluoride (Total and Dissolved), Sulfate, Boron, Aluminum, Magnesium, Manganese,Nickel, Strontium	8	0	0
MW-18	NA	0	8	0
MW-19	NA	0	8	0
MW-20	NA	0	8	0
MW-44	Chloride, Sulfate, Lithium, Magnesium, Manganese, Aluminum, Cobalt, Strontium	8	0	0
MW-45	Specific Conductance, Nitrogen-Ammonia, COD, Sulfate, Lithium, Arsenic, Cobalt, Magnesium, Manganese, Nickel, Iron (Dissolved), Strontium	8	0	0
MW-46	Nitrogen – Ammonia, COD, Chloride, Aluminum, Arsenic, Cobalt, Magnesium, Manganese, Nickel, Strontium	8	0	0
MW-47	Nitrogen-Ammonia, COD, Sulfate, Fluoride (Dissolved), Arsenic, Cobalt, Magnesium, Manganese, Nickel, Strontium, Iron (Dissolved)	8	0	0
MW-48	COD, Chloride, Arsenic, Cobalt, Magnesium, Manganese, Nickel, Strontium	8	0	0

Table 1
Monitoring Program Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-4-86P

Monitoring Well	2024 Evaluation Limit Exceedances	Total # of Samples in Each Monitoring Program since January 1, 2018		
		Routine	Supplemental	Remedial Action
MW-49	Specific Conductance, Nitrogen-Ammonia, COD, Chloride, Sulfate, Iron (Dissolved), Aluminum, Arsenic, Cobalt, Manganese	8	0	0
SW-01	NA	1	0	0
PZ-23	NA	0	8	0
PZ-24	NA	0	8	0
PZ-25	NA	0	8	0
PZ-26	NA	0	8	0

Comments:
NA - Not Applicable
NC - No Change
Evaluation Limit = Lesser value of either upper limit or MCL from corresponding upgradient well.

Sampling Protocol Narrative

SAMPLING PROTOCOL

1.1 Groundwater/Surface Water Sampling

The 2024 semiannual events followed the current RCRA Facility Investigation Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP), Revision 3, dated August 2017. (IDNR approved the use of these protocols in an email dated July 17, 2017. Since the semiannual Landfill groundwater sampling events are also being used to generate information for the ongoing RCRA Facility Investigation, WDC coordinated with both IDNR and USEPA to ensure the sampling and analysis protocols would be acceptable to both agencies.)

1.1.1 First 2024 Semiannual Event

The first 2024 semiannual monitoring event was conducted April 1 through April 3, 2024, by O. A. Technical Services, Inc. (O. A. Technical) of Cascade, Iowa. The first 2024 semiannual monitoring event consisted of the following:

- Measurement of groundwater levels at 21 groundwater monitoring points (MW-6 through MW-20 and MW-44 through MW-49);
- Sampling and analyses of groundwater at 13 monitoring locations; and
- Sampling at SW-01 was performed.

Sampling and analysis protocols for the first 2024 semiannual event followed the current RCRA Facility Investigation Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP), Revision 3, dated August 2017. Field data and other purging/sampling information for the first 2024 semiannual event are presented in the field sampling forms contained in the **Groundwater Sampling Field Sheets** section of this annual report. Completed chain-of-custody forms are in the **Laboratory Analytical Reports** section of this annual report.

Eurofins TestAmerica, Cedar Falls (Eurofins) provided analytical services for the sampling event. Samples for laboratory analyses were collected in laboratory-supplied containers with the appropriate amount of preservative, as required. Samples for dissolved inorganic analysis were filtered in the field using 0.45-micron filters. Samples were properly labeled and packaged for transport to Eurofins in shuttles containing ice. Standard chain-of-custody procedures were adhered to during all phases of sample collection, transport, and delivery to the laboratory.

1.1.2 Second 2024 Semiannual Event

The second 2024 semiannual monitoring event was conducted August 25 through August 28, 2024, by O. A. Technical. The second 2024 semiannual monitoring event consisted of the following:

- Measurement of groundwater levels at 30 groundwater monitoring points (MW-6 through MW-20, MW-A, MW-30, MW-35, MW-37, MW-38R, MW-39, and MW-41 through MW-49);
- Sampling and analyses of groundwater at 23 monitoring locations; and
- Sampling at SW-01 was not performed due to insufficient flow.

(Additional monitoring, sampling, and analyses were performed on behalf of WDC outside the scope of the required monitoring program for the Landfill under the current terms and conditions of the Permit. Those results are not discussed in this AWQR.)

Sampling and analysis protocols for the second 2024 semiannual event followed the current RCRA Facility Investigation Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP), Revision 3, dated August 2017. Field data and other purging/sampling information for the second 2024 semiannual event are presented in the field survey forms contained in the **Groundwater Sampling Field Sheets** section of this annual report. Completed chain-of-custody forms are in the **Laboratory Analytical Reports** section of this annual report.

Eurofins provided analytical services for the sampling event. Samples for laboratory analyses were collected in laboratory-supplied containers with the appropriate amount of preservative, as required. Samples for dissolved inorganic analysis were filtered in the field using 0.45-micron filters. Samples were properly labeled and packaged for transport to Eurofins in shuttles containing ice. Standard chain-of-custody procedures were adhered to during all phases of sample collection, transport, and delivery to the laboratory.

Groundwater Elevations/Flow Direction Narrative

GROUNDWATER ELEVATIONS/FLOW DIRECTIONS

One unconfined (water table) aquifer exists at the site. The water table is stabilized in the alluvium/colluvium along the eastern flank of the Landfill. Elsewhere, the water table is stabilized in the weathered glacial till. The aquifer extends to an approximate depth of 23-to-28-feet below grade. Underlying the water table aquifer is an unweathered glacial till layer which functions as an effective aquitard or barrier to groundwater flow. This till layer extends to bedrock at an approximate depth of 270 feet.

Historically, monitoring wells at the facility have been classified as either upgradient or downgradient of the Landfill and shallow, intermediate, or deep based on the relative depth of the screened intervals. Shallow or water table wells (MW-8, MW-11, MW-13, MW-16, and MW-17) monitor the water table aquifer. Intermediate wells (MW-7, MW-10, MW-12, MW-15, and MW-18) and deep wells (MW-6, MW-9, and MW-14) monitor the unweathered glacial till layer. As previously discussed, additional wells were installed in September 2017 to monitor downgradient off-site water quality. The additional wells consist of three water table wells (MW-44, MW-46, and MW-48) and three intermediate wells (MW-45, MW-47, and MW-49).

Depths to groundwater measured during the months of April and August 2024, as well as groundwater elevations, are summarized in **Table 4**. **Figures 3** and **4** depict groundwater flow from the northwest to the southeast during the first and second 2024 semiannual events, respectively. Groundwater elevations for the shallow or water table wells are typically used to produce the potentiometric surfaces shown in **Figures 3** and **4**.

Horizontal groundwater flow directions for the two semiannual events are similar to historical conditions observed within and adjacent to the Landfill. Wells MW-7 and MW-8 (also MW-6 for elevation only) continue to function as hydraulically upgradient wells, while the remaining wells continue to serve as hydraulically downgradient monitoring points. The horizontal and vertical locations of the monitoring wells are satisfactory relative to the location of the Landfill and the nature of the subsurface strata of interest.

The evaluation of vertical gradients between both water table wells/intermediate wells and intermediate wells/deep wells was completed. For the year 2024, the results are as follows:

<u>Water Table Wells/Intermediate Wells</u>

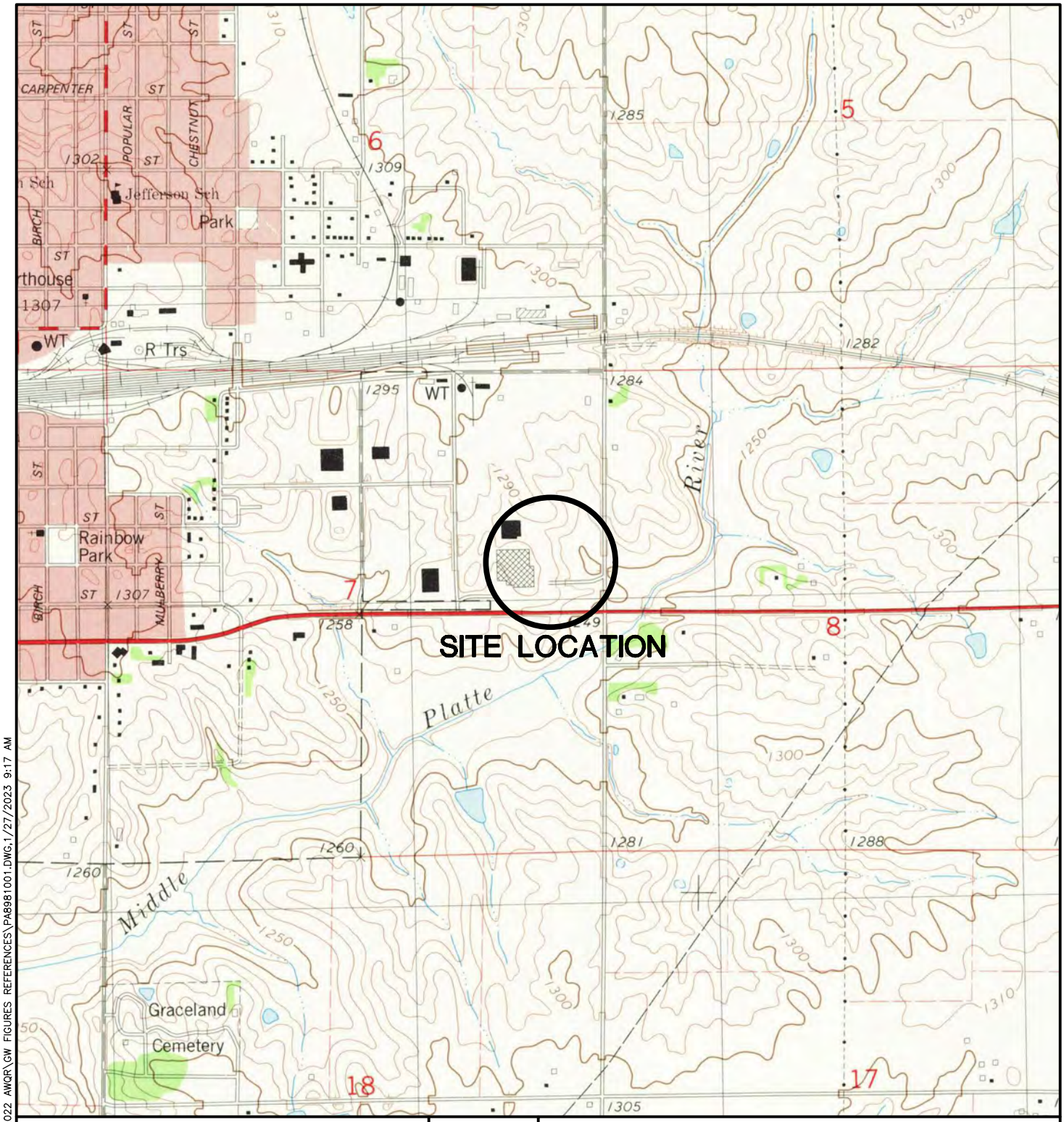
- MW-8/MW-7: Negative vertical gradient/discharge (2 of 2 readings).
- MW-11/MW-10: Negative vertical gradient/recharge (2 of 2 readings).
- MW-13/MW-12: Negative vertical gradient/discharge (April 2024); Positive vertical gradient/recharge (August 2024).
- MW-16/MW-15: Negative vertical gradient/discharge (2 of 2 readings).
- MW-17/MW-18: Positive vertical gradient/recharge (April 2024); Negative vertical gradient/discharge (August 2024).

Intermediate Wells/Deep Wells

- MW-7/MW-6: Positive vertical gradient/recharge (April 2024); Negative vertical gradient/discharge (August 2024).
- MW-10/MW-9: Negative vertical gradient/discharge (2 of 2 readings).
- MW-12/MW-14: Positive vertical gradient/recharge (April 2024); Negative vertical gradient/discharge (August 2024).

The results are generally consistent with historical values with individual results varying from well to well. Vertical gradients can change/invert season to season and year to year dependent upon site specific conditions.

Site Figures



SCALE – FEET

0 2000

REFERENCE
USGS 7.5–MIN TOPOGRAPHIC QUADRANGLE CRESTON EAST, IOWA, DATED 1980 SCALE 1: 24000.

NORTH

FIGURE 1
SITE LOCATION MAP

WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC
CRESTON, IOWA

APPROVED	RFD 01/11/2023
CHECKED	MRC 01/10/2023
DRAWN	EWB 01/06/2023
PROJECT NO.	4000–PA008981

DRAWING NUMBER
PA8981001

Penn E&R
Environmental & Remediation, Inc.

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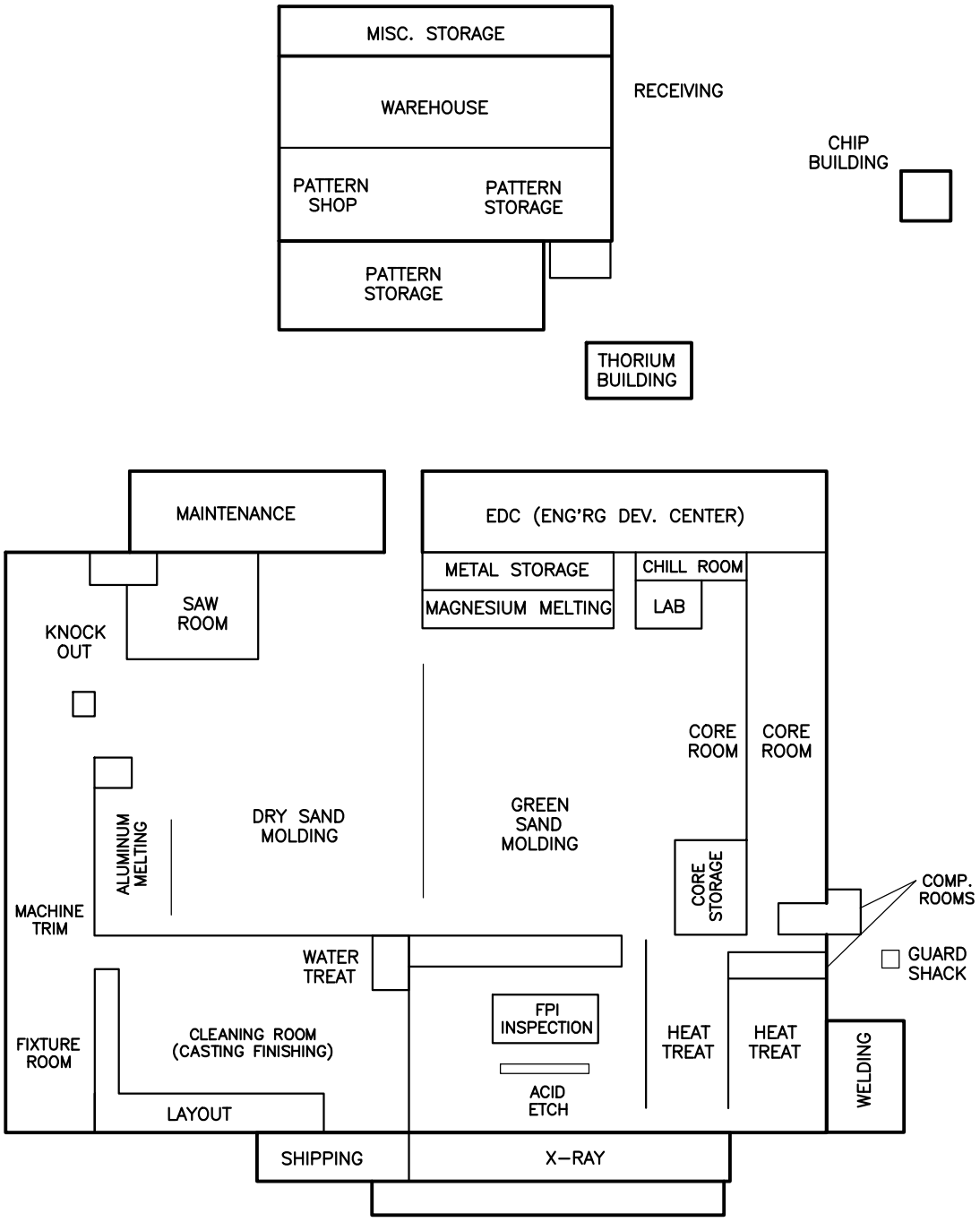

DRAWING NOT TO SCALE

NORTH

FIGURE 2
PLANT SITE

WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC
CRESTON, IOWA

APPROVED	RFD 01/11/2023
CHECKED	MRC 01/10/2023
DRAWN	EWB 01/06/2023
PROJECT NO.	4000-PA008981

DRAWING NUMBER
PA8981002

Penn E&R
Environmental & Remediation, Inc.

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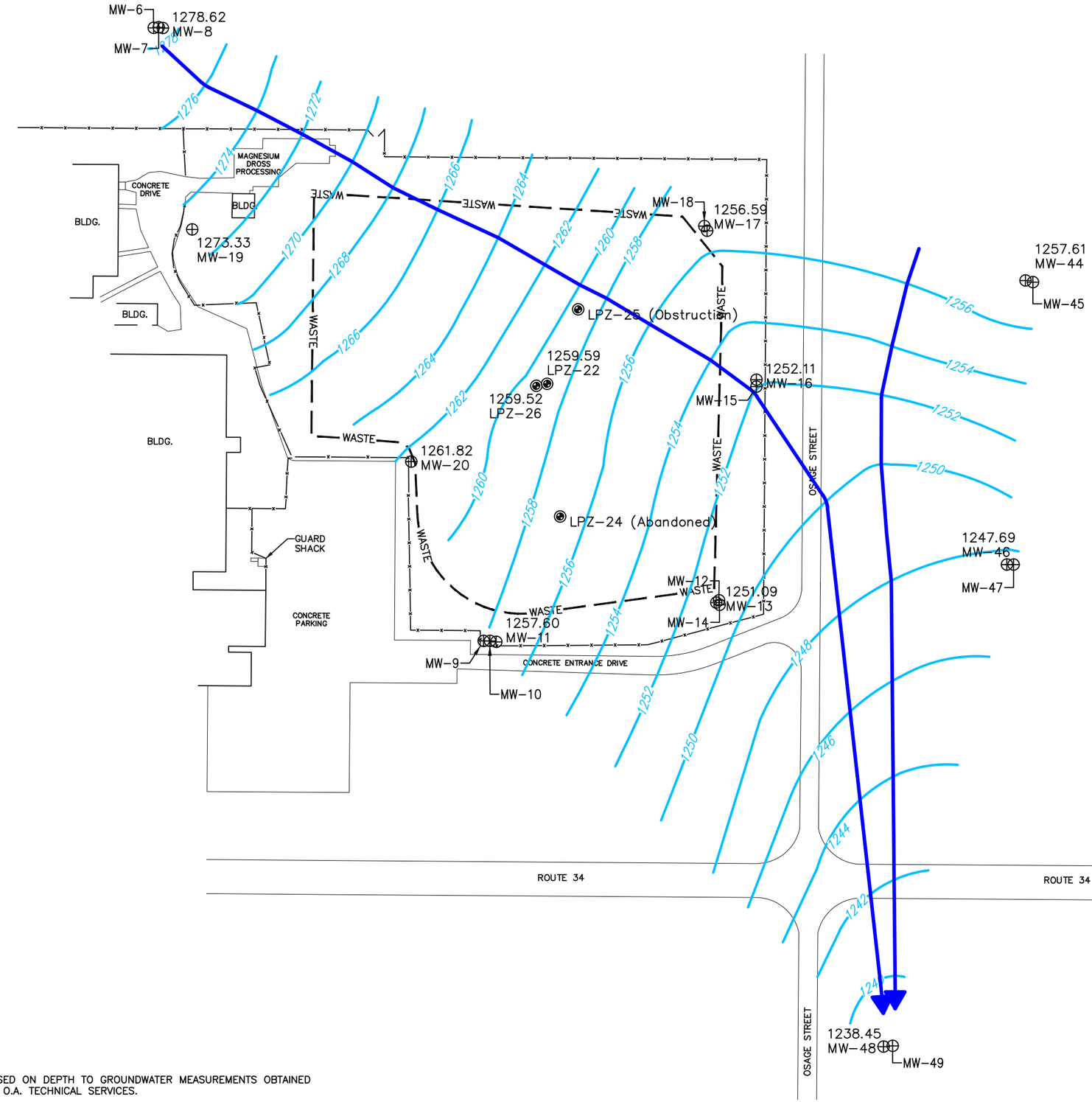


NOTE:
1. BASED ON DEPTH TO GROUNDWATER MEASUREMENTS OBTAINED BY O.A. TECHNICAL SERVICES.

LEGEND

MW-16 ⊕	MONITORING WELL
LPZ-21 ◉	LEACHATE PIEZOMETER
WASTE	APPROXIMATE LANDFILL BOUNDARY
x x	CHAIN LINK FENCE
1252	GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
	GROUNDWATER FLOW DIRECTION

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=150'

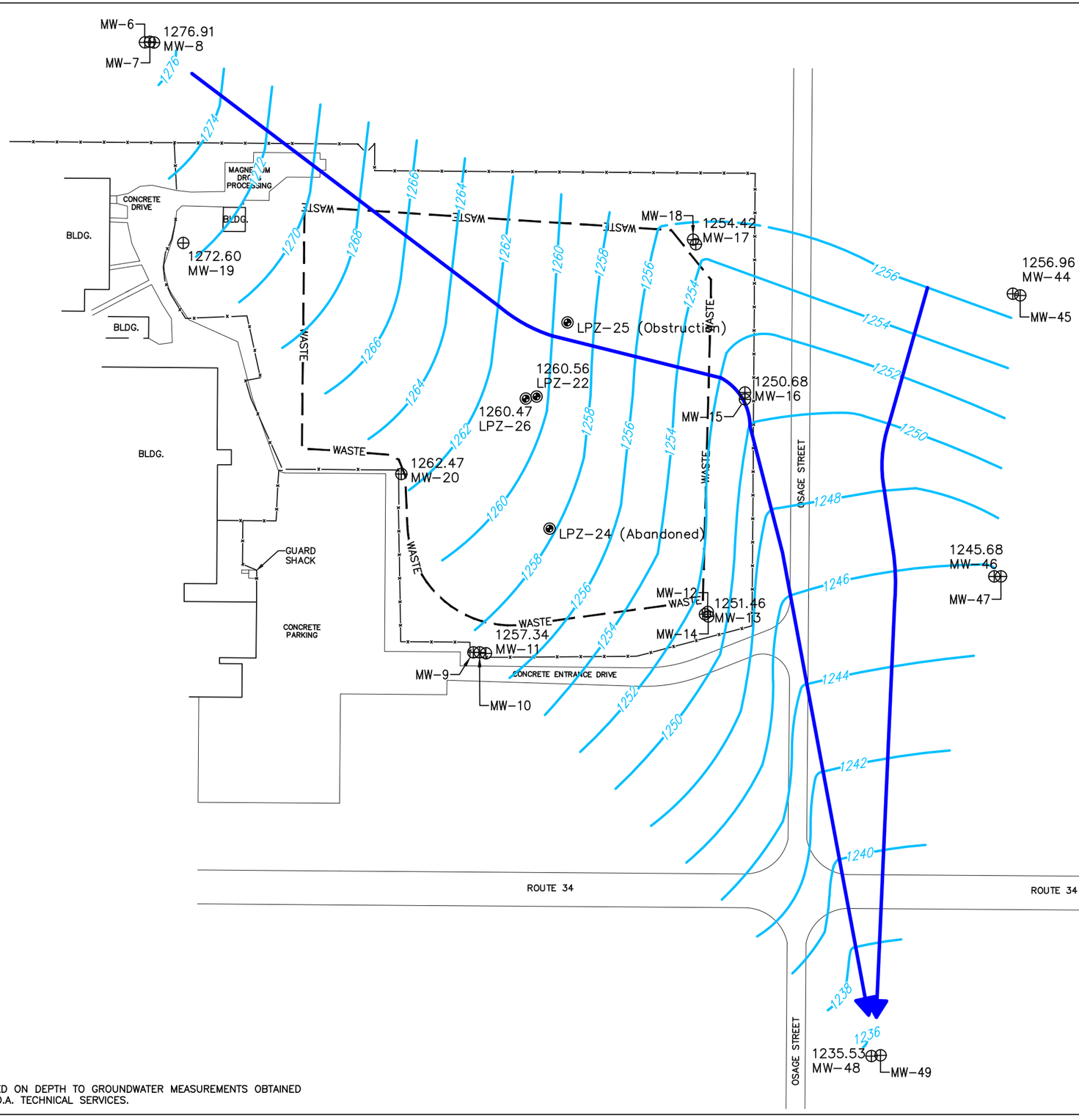
0 150' 300' 450'

FIGURE 3
SHALLOW GROUNDWATER CONTOUR MAP
APRIL 1, 2024
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD 01/30/2025
CHECKED	MRC 01/30/2025
DRAWN	CLR 12/04/2024
PROJECT NO.	PA009455
DRAWING NUMBER	FIGURE 3

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205; 412-722-1222



NOTE:
1. BASED ON DEPTH TO GROUNDWATER MEASUREMENTS OBTAINED BY O.A. TECHNICAL SERVICES.

LEGEND

MW-16 ⊕	MONITORING WELL
LPZ-21 ◉	LEACHATE PIEZOMETER
WASTE	APPROXIMATE LANDFILL BOUNDARY
	CHAIN LINK FENCE
1252	GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
	GROUNDWATER FLOW DIRECTION

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=150'

0 150' 300' 450'

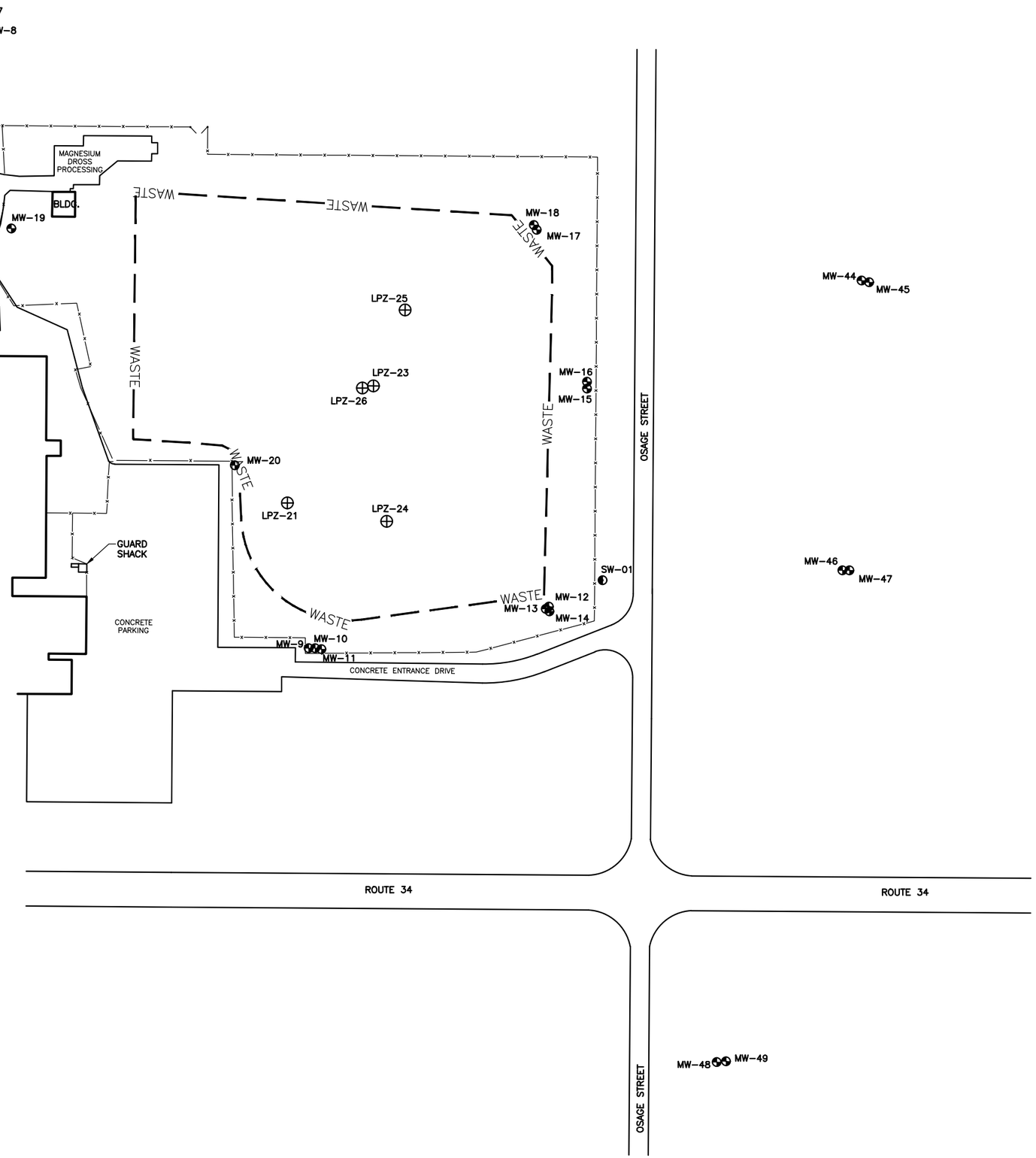
FIGURE 4
SHALLOW GROUNDWATER CONTOUR MAP
AUGUST 26, 2024
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	01/30/2025
CHECKED	MRC	01/30/2025
DRAWN	CLR	12/09/2024
PROJECT NO.	PA009580	

DRAWING NUMBER
FIGURE 4

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205; 412-722-1222



LEGEND

SW-01	SURFACE WATER MONITORING POINT (APPROXIMATE LOCATION)
MW-16	MONITORING WELL
LPZ-21	LEACHATE PIEZOMETER
WASTE	APPROXIMATE LANDFILL BOUNDARY
x x	CHAIN LINK FENCE

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.
2. TOPOGRAPHIC AND ELEVATION SURVEY BY GARDEN & ASSOCIATES, LTD., JUNE 13, 2018.

NORTH

SCALE – FEET

0 150 300 450

REVISION	DATE	DESCRIPTION

FIGURE 5
WELL LOCATION MAP

WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC
CRESTON, IOWA

APPROVED	RFD 01/11/2023
CHECKED	MRC 01/10/2023
DRAWN	EWB 01/06/2023
PROJECT NO.	4000-PA008981
DRAWING NUMBER	PA8981303

Penn E&R
Environmental & Remediation, Inc.

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Table 2 – Monitoring Program Implementation Schedule

Monitoring Program Implementation Schedule
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Monitoring Well	Recent Sampling Dates and Constituents														Upcoming Sampling Dates and Constituents	
	March 23-27, 2018	September 10-14, 2018	April 8-10, 2019	September 9-12, 2019	April 28-30, 2020	September 14-17, 2020	April 21-22, 2021	September 14-16, 2021	April 18-19, 2022	September 12-15, 2022	March 27-29, 2023	September 11-14, 2023	April 1-3, 2024	August 25-28, 2024	March 2025	September 2025
MW-7	List A, Chromium Hex, Total Chromium, Total Iron, Lead, Vanadium, Nitrite	List B, Chromium Hex, Total Chromium, Total Iron, Lead, Vanadium, Nitrite	List A	List B	List A	List B	List A	List B	List A, 1,4-Dioxane	List B, Total Iron	List A	List B	List A	List B	List A	List B
MW-8	List A, Total Iron, Nitrate, Nitrite	List B, Total Iron, Nitrate, Nitrite, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha, Gross Beta	List A, 1,4-Dioxane	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha
MW-9	Boron, Distilled Fluoride, Dissolved Fluoride, Total Iron, Chloride, Sulfate, Spec. Cond., pH, Temp	Boron, Distilled Fluoride, Dissolved Fluoride, Total Iron, Chloride, Sulfate, Spec. Cond., pH, Temp, Thorium, Uranium, Gross Alpha	List A	List B	List A	List B	List A	List B	List A	List B	List A	List B	List A	List B	List A	List B
MW-10	Arsenic, Boron, Cadmium, Distilled Fluoride, Dissolved Fluoride, Total Iron, Nitrite, Chloride, Sulfate, Spec. Cond., pH, Temp	Arsenic, Boron, Cadmium, Distilled Fluoride, Dissolved Fluoride, Total Iron, Nitrite, Chloride, Sulfate, Spec. Cond., pH, Temp	List A	List B	List A	List B	List A	List B	List A	List B	List A	List B	List A	List B	List A	List B
MW-11	List A, 1,4 Dioxane, Cadmium, Total Iron, Nitrite	List B, 1,4-Dioxane, Cadmium, Nitrite, Total Iron, Thorium, Uranium, Gross Alpha	List A	List B, 1,4-Dioxane, Cadmium, Total Iron, Thorium, Uranium, Gross Alpha	List A	List B, 1,4-Dioxane, Cadmium, Total Iron, Thorium, Uranium, Gross Alpha	List A	List B, 1,4-Dioxane, Cadmium, Total Iron, Thorium, Uranium, Gross Alpha, Gross Beta	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Cadmium, Total Iron, Thorium, Uranium, Gross Alpha	List A	List B, 1,4-Dioxane, Cadmium, Total Iron, Thorium, Uranium, Gross Alpha	List A	List B, 1,4-Dioxane, Cadmium, Total Iron, Thorium, Uranium, Gross Alpha	List A	List B, 1,4-Dioxane, Cadmium, Total Iron, Thorium, Uranium, Gross Alpha
MW-12	List A, 1,4 Dioxane, Total Iron, Nitrite	List B , 1,4 Dioxane, Total Iron, Nitrite	List A	List B	List A	List B	List A	List B	List A, 1,4-Dioxane	List B, 1,4-Dioxane	List A	List B	List A	List B	List A	List B
MW-13	List A, 1,4 Dioxane, Total Iron, Lead, Vanadium	List B, 1, 4 Dioxane, Total Iron, Lead, Vanadium	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha, Gross Beta	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha	List A	List B, Thorium, Uranium, Gross Alpha
MW-14	List A	List B	List A	List B	List A	List B	List A	List B	List A, 1,4-Dioxane	List B, 1,4-Dioxane	List A	List B	List A	List B	List A	List B
MW-15	List A	List B	List A	List B	List A	List B	List A	List B	List A, 1,4-Dioxane	List B, 1,4-Dioxane	List A	List B	List A	List B	List A	List B
MW-16	List A, 1,4 Dioxane, Total Iron	List B, 1,4 Dioxane, Total Iron	List A	List B	List A	List B	List A	List B	List A, 1,4-Dioxane	List B, 1,4-Dioxane	List A	List B	List A	List B	List A	List B
MW-17	List A, 1,4 Dioxane, Total Iron	List B, 1,4 Dioxane, Total Iron	List A	List B	List A	List B	List A	List B	List A, 1,4-Dioxane	List B, 1,4-Dioxane	List A	List B	List A	List B	List A	List B
MW-44	List A, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List B, 1,4-Dioxane, Cadmium, Total Iron	List A	List B, 1,4-Dioxane, Cadmium, Total Iron	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Cadmium, Total Iron, Total Lead	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium
MW-45	List A, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List B, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Cadmium, Total Iron, Total Lead	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium
MW-46	List A, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List B, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Cadmium, Total Iron, Total Lead	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium

Monitoring Program Implementation Schedule
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Monitoring Well	Recent Sampling Dates and Constituents														Upcoming Sampling Dates and Constituents	
	March 23-27, 2018	September 10-14, 2018	April 8-10, 2019	September 9-12, 2019	April 28-30, 2020	September 14-17, 2020	April 21-22, 2021	September 14-16, 2021	April 18-19, 2022	September 12-15, 2022	March 27-29, 2023	September 11-14, 2023	April 1-3, 2024	August 25-28, 2024	March 2025	September 2025
MW-47	List A, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List B, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium
MW-48	List A, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List B, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium
MW-49	List A, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List B, 1,4, Dioxane, Chromium Hex, Total Chromium, Cadmium, Total Iron, Lead, Vanadium, Nitrite	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A, 1,4-Dioxane	List B, 1,4-Dioxane, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium	List A	List B, 1,4-Dioxane, Total Chromium, Cadmium, Total Iron, Total Lead, Vanadium
SW-01	NS	NS	NS	List B	NS	NS	NS	NS	NS	NS	List B	List B	List B	NS	List B	List B

Comments:
NS = Not Sampled

List A (Spring Parameters)

VOCs	Iron Dissolved	Ammonia
Aluminum Total	Lithium Total	COD
Arsenic Total	Magnesium Total	Spec. Cond.
Beryllium Total	Manganese Total	pH
Boron Total	Nickel Total	Temp
Cobalt Total	Strontium Total	
Distilled Fluoride	Chloride	
Dissolved Fluoride	Sulfate	

List B (Fall Parameters)

VOCs	Iron Dissolved	Ammonia
Aluminum Total	Lithium Total	COD
Arsenic Total	Magnesium Total	TOH
Beryllium Total	Manganese Total	Phenols
Boron Total	Nickel Total	Spec. Cond.
Cobalt Total	Strontium Total	pH
Distilled Fluoride	Chloride	Temp
Dissolved Fluoride	Sulfate	

Monitoring Well Inspections/Assessment Narrative

MONITORING WELL INSPECTIONS/ASSESSMENT

1.1 Monitoring Well Inspections

As part of the Monitoring Well Maintenance Performance Reevaluation Plan (Green Environmental Services, Inc., February 1993) that was prepared in accordance with the requirements of IAC 567-115.21, the integrity of the hydrologic monitoring system is evaluated on an annual/biennial/periodic basis in conjunction with the sampling events. For example, O. A. Technical measured the total depth in each monitoring well to evaluate effects from siltation or obstructions and visually inspected the protective casing of each well for a lid, lock, and intact concrete seal. In addition, any visual damage or standing water in the protective casing was also noted.

Hydrogeologic aquifer evaluations were conducted in 2019 to reevaluate the well performance and integrity since it was last performed in 2014. Such testing is required once every five years as per the Monitoring Well Maintenance Performance Reevaluation Plan. WDC has pursued and obtained a variance from IDNR to replace in-situ permeability testing with biennial evaluations of well recharge and chemistry. WDC obtained the variance, in addition to a modification to the Permit (Revision # 3), on September 27, 2019. The provision is now contained in Special Provision No. 4.j. of the Permit.

1.2 Monitoring Well Assessment

The results from the well inspections conducted during the first and second 2024 semiannual events indicate that the monitoring wells are in generally good condition. During the first 2024 semiannual event, MW-9 had a broken concrete seal, a poor lock was reported on MW-19, and water was reported in the annular space on MW-46. During the second 2024 semiannual event, water was reported in the annular space on MW-20 and a poor lock was reported on MW-11.

The total depths measured for the wells were comparable to the originally constructed depths and historical values. Results from the total depth measurements indicate that sediment has not accumulated within the wells to any significant degree. The total depths measured for the monitoring wells and inspection notes are contained in the **Groundwater Sampling Field Sheets** section of this report.

In September 2019, Penn E&R calculated hydraulic conductivities at several of the site wells using data obtained during low-flow/no purge sampling activities for the second semiannual event. The methodology used to complete the calculations is presented in *Determining Hydraulic Conductivity Using Pumping Data from Low-Flow Sampling, Ground Water, March-April 2009*. The purpose of the calculation was to replace the required in-situ permeability testing which is to be completed every 5 years in accordance with 567 IAC Chapter 115.21(2)(d). Penn E&R concluded that the calculated results for well hydraulic conductivities in 2019 did not correlate well with past data and the methodology used should be discontinued. WDC has pursued and obtained a variance from IDNR to replace in-situ permeability testing with biennial evaluations of well recharge and chemistry. WDC obtained the variance, in addition to a modification to the Permit (Revision # 3), on September 27, 2019. The provision is now contained in Special Provision No. 4.j. of the Permit.

During the first and second 2024 semiannual sampling event, the recovery of each well was observed after low-flow/no purge sampling activities were completed. Post sampling water level measurements were obtained for each well sampled. Based on a review of the water level recovery information, it can be concluded that the monitoring wells recover as expected, they remain viable, and samples obtained from the wells should be representative of aquifer conditions.

Table 3 – Monitoring Well Maintenance and Performance Schedule

Table 3
Monitoring Well Maintenance and Performance Reevaluation Schedule
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Compliance with:	Monitoring Calendar Years						
	2018	2019	2020	2021	2022	2023	2024
567 IAC 115.21(2)"a" high and low water levels	--	Completed	Completed	Completed	Completed	Completed	Completed
567 IAC 115.21(2)"b" changes in the hydrologic setting and flow paths	Completed	Completed	Completed	Completed	Completed	Completed	Completed
567 IAC 115.21(2)"c" well depths	Completed	Completed	Completed	Completed	Completed	Completed	Completed
567 IAC 115.21(2)"d" in-situ permeability tests (1)	--	Completed	Completed	Completed	Completed	Completed	Completed

(1) Hydrogeologic aquifer evaluations were conducted in 2019 to reevaluate well performance and integrity since it was last performed in 2014. Such testing is required once every five years as per the Monitoring Well Maintenance Performance Reevaluation Plan. WDC has pursued and obtained a variance from IDNR to replace in-situ permeability testing with biennial evaluations of well recharge and chemistry. WDC obtained the variance, in addition to a modification to the Permit (Revision # 3), on September 27, 2019. The provision is now contained in Special Provision No. 4.j. of the Permit.

Table 4 – Monitoring Well Maintenance and Performance Summary

Table 4
Monitoring Well Maintenance and Performance Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Top of Casing	Top of Screen**	Total Depth		Date of Measurements		Maximum Depth	Baseline Permeablity
					3/1/2024	8/25/2024	Discrepancy (ft)	(cm/s/date)
MW-6	1289.94	1226	76.65	Groundwater Level (ft)	11.74	12.14	NA	--
				Groundwater Elevation (Ft MSL)	1278.20	1277.8		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		
MW-7	1290.09	1247	54.54	Groundwater Level (ft)	11.41	13.1	-0.81	
				Groundwater Elevation (Ft MSL)	1278.68	1276.99		7.00E-08
				Measured Well Depth (ft)	55.35	55.35		1993
				Submerged screen	Y	Y		
MW-8	1290.03	1270	32.28	Groundwater Level (ft)	11.41	13.12	0.03	
				Groundwater Elevation (Ft MSL)	1278.62	1276.91		3.00E-05
				Measured Well Depth (ft)	32.25	32.25		1993
				Submerged screen	Y	Y		
MW-9	1263.91	1196	76.22	Groundwater Level (ft)	5.18	4.75	NA	--
				Groundwater Elevation (Ft MSL)	1258.73	1259.16		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		
MW-10	1263.46	1226	50.49	Groundwater Level (ft)	5.60	5.39	NA	--
				Groundwater Elevation (Ft MSL)	1257.86	1258.07		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		

Table 4
Monitoring Well Maintenance and Performance Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Top of Casing	Top of Screen**	Total Depth		Date of Measurements		Maximum Depth	Baseline Permeablity
					3/1/2024	8/25/2024	Discrepancy (ft)	(cm/s/date)
MW-11	1263.04	1256	17.62	Groundwater Level (ft)	5.44	5.70	0.22	
				Groundwater Elevation (Ft MSL)	1257.60	1257.34		1.00E-04
				Measured Well Depth (ft)	17.40	17.40		1993
				Submerged screen	Y	Y		
MW-12	1255.08	1214	52.70	Groundwater Level (ft)	3.69	3.80	0.20	
				Groundwater Elevation (Ft MSL)	1251.39	1251.28		2.00E-07
				Measured Well Depth (ft)	52.50	52.50		1993
				Submerged screen	Y	Y		
MW-13	1255.60	1248	17.53	Groundwater Level (ft)	4.51	4.14	0.73	
				Groundwater Elevation (Ft MSL)	1251.09	1251.46		4.00E-05
				Measured Well Depth (ft)	16.80	16.80		1993
				Submerged screen	Y	Y		
MW-14	1254.91	1197	73.00	Groundwater Level (ft)	3.54	3.38	NA	--
				Groundwater Elevation (Ft MSL)	1251.37	1251.53		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		
MW-15	1255.96	1227	40.32	Groundwater Level (ft)	3.82	5.28	NA	--
				Groundwater Elevation (Ft MSL)	1252.14	1250.68		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		

Table 4
Monitoring Well Maintenance and Performance Summary
2024 Annual Water Quality Report
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Well	Top of Casing	Top of Screen**	Total Depth		Date of Measurements		Maximum Depth	Baseline Permeablity
					3/1/2024	8/25/2024	Discrepancy (ft)	(cm/s/date)
MW-16	1256.26	1247	20.22	Groundwater Level (ft)	4.15	5.93	0.17	
				Groundwater Elevation (Ft MSL)	1252.11	1250.33		4.90E-05
				Measured Well Depth (ft)	20.05	20.05		1993
				Submerged screen	Y	Y		
MW-17	1259.85	1251	20.33	Groundwater Level (ft)	3.26	5.43	0.23	
				Groundwater Elevation (Ft MSL)	1256.59	1254.42		9.60E-06
				Measured Well Depth (ft)	20.10	20.10		1993
				Submerged screen	Y	Y		
MW-18	1259.80	1231	40.34	Groundwater Level (ft)	3.45	3.77	NA	--
				Groundwater Elevation (Ft MSL)	1256.35	1256.03		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		
MW-19	1280.43	1270.45	21.98	Groundwater Level (ft)	7.10	7.83	NA	--
				Groundwater Elevation (Ft MSL)	1273.33	1272.6		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		
MW-20	1276.91	1262.67	22.24	Groundwater Level (ft)	15.09	14.44	NA	--
				Groundwater Elevation (Ft MSL)	1261.82	1262.47		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	Y	Y		

Table 4
Monitoring Well Maintenance and Performance Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Top of Casing	Top of Screen**	Total Depth		Date of Measurements		Maximum Depth	Baseline Permeablity
					3/1/2024	8/25/2024	Discrepancy (ft)	(cm/s/date)
MW-44	1259.04	1254.04	15.00	Groundwater Level (ft)	1.43	2.08	0.15	--
				Groundwater Elevation (Ft MSL)	1257.61	1256.96		
				Measured Well Depth (ft)	14.85	14.85		
				Submerged screen	Y	Y		
MW-45	1259.27	1229.27	40.00	Groundwater Level (ft)	2.72	2.29	0.15	--
				Groundwater Elevation (Ft MSL)	1256.55	1256.98		
				Measured Well Depth (ft)	39.85	39.85		
				Submerged screen	Y	Y		
MW-46	1252.48	1247.48	15.00	Groundwater Level (ft)	4.79	6.80	0.6	--
				Groundwater Elevation (Ft MSL)	1247.69	1245.68		
				Measured Well Depth (ft)	14.40	14.40		
				Submerged screen	Y	Y		
MW-47	1252.49	1222.48	40.00	Groundwater Level (ft)	5.00	7.14	1.2	--
				Groundwater Elevation (Ft MSL)	1247.49	1245.35		
				Measured Well Depth (ft)	38.95	38.80		
				Submerged screen	Y	Y		
MW-48	1240.82	1235.82	15.00	Groundwater Level (ft)	2.37	5.29	-0.05	--
				Groundwater Elevation (Ft MSL)	1238.45	1235.53		
				Measured Well Depth (ft)	15.05	15.05		
				Submerged screen	Y	Y		

Table 4
Monitoring Well Maintenance and Performance Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Top of Casing	Top of Screen**	Total Depth		Date of Measurements		Maximum Depth	Baseline Permeablity
					3/1/2024	8/25/2024	Discrepancy (ft)	(cm/s/date)
MW-49	1240.69	1210.69	40.00	Groundwater Level (ft)	4.22	5.41	1.15	--
				Groundwater Elevation (Ft MSL)	1236.47	1235.28		
				Measured Well Depth (ft)	38.85	38.85		
				Submerged screen	Y	Y		
LPZ-23*	1277.24	1267	11.79	Groundwater Level (ft)	17.65	16.68	NA	--
				Groundwater Elevation (Ft MSL)	1259.59	1260.56		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	N	N		
LPZ-26*	1277.83	1266	23.34	Groundwater Level (ft)	18.31	17.36	NA	--
				Groundwater Elevation (Ft MSL)	1259.52	1260.47		
				Measured Well Depth (ft)	NA	NA		
				Submerged screen	N	N		

Comments:
* - Measured Well Depth Estimated
** - Top of Screen = Top of Sand Pack
Baseline and current permeability measurements not available for all wells.

Analytical Data Evaluation Narrative

ANALYTICAL DATA EVALUATION

1.1 Data Presentation

Analytical data for the samples obtained from the monitoring points during the first and second 2024 semiannual events are summarized in **Tables 8A** and **8B**. Analytical data from events prior to 2024 are included in previous reports.

At the direction of IDNR (May 9, 2013 correspondence), additional sampling and analyses were performed during 2013. A leachate sample was obtained and analyzed in July 2013, and the results are presented in **Table 8B** along with the associated analytical data for the monitoring well samples. For comparison, the analytical results obtained from a leachate sample taken in July 1992 are also presented in **Table 8B**.

Based on the analytical results reported in the 2013 AWQR, IDNR modified the analytical program to include additional metals/metalloids and volatile organic compounds (VOCs) (January 16, 2014 IDNR letter and Permit Amendment #2). These supplemental parameters were also included in the Permit Renewal issued on August 24, 2015. On January 24, 2018, IDNR reduced the additional parameter list in the current Permit based on the analytical results submitted by WDC in the AWQRs.

At the direction of IDNR (February 18, 2015, IDNR correspondence), the 567 IAC Chapter 137 Iowa Statewide Standards for both protected and non-protected groundwater sources are reported in **Table 8B** along with the analytical data for samples obtained during the reporting year. USEPA standards including the Maximum Contaminant Levels (MCL), Secondary Maximum Contaminant Levels (SMCL), and Health Advisory Levels (HAL) are also reported in **Table 8B**. Reported values that exceed one or more standards are identified in the table. Laboratory reports for 2024 samples are presented in the **Laboratory Analytical Reports** section of this annual report.

1.2 Evaluation Methodology

A statistical evaluation of the analytical data was completed in accordance with IAC 567-115.26(6) using a spreadsheet. The input data includes field measurements and analytical results from samples obtained from the approved hydrologic monitoring system (MW-7, MW-8, MW-11, MW-12, MW-13, MW-16, MW-17, MW-44, MW-45, MW-46, MW-47, MW-48, and MW-49).

To describe the ambient or background water quality conditions at the site, available data from each upgradient monitoring location are used to compute a mean concentration, standard deviation, and statistical Upper Limit for each parameter of concern. The Upper Limit is computed as the mean concentration from the upgradient well samples plus two standard deviations. The Upper Limit represents the concentration of a particular parameter that statistically represents the highest concentration expected considering ambient water quality conditions.

The concentration of each parameter in downgradient monitoring locations is compared with the Evaluation Limit (lesser of the MCL and Upper Limit for that parameter), as calculated for the appropriate background monitoring location. Data for each background monitoring location are also compared to the Evaluation Limits for that background location. From this comparison, statistical exceptions which may represent impacts of the Landfill are identified.

The **Statistical Reports** section of this annual report contains the exception reports for each upgradient monitoring point (MW-7 and MW-8). These reports include computed means, standard deviations, Upper Limits, MCLs, and Evaluation Limits. Calculations were completed for the parameters of concern currently of interest. Any statistical exceptions for each background monitoring location for the current year are noted in the upgradient exception reports with shading.

The list of parameters tracked in the 2024 AWQR is based on IDNR requirements listed in the Permit. The 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023 and 2024 sampling events (18 events in total) serve as the baseline events necessary to calculate new Upper Limits. These 18 events are the first 18 consecutive events since the 2013 AWQR to incorporate low-flow/no purge sampling protocols and the additional parameters added to the hydrologic sampling program by IDNR.

The downgradient exception reports list available data for the downgradient monitoring locations (**Statistical Reports Section**). Concentrations that exceed the Evaluation Limit for the corresponding upgradient monitoring location are shaded for 2024. The Evaluation Limit listed for each parameter of concern is the basis for the identified exceptions. For reference, Upper Limits and MCLs are listed, as applicable.

Time trend plots are presented in the **Time Trend Graphs** section of this annual report. These graphs present available data for the parameters of concern, along with a plot of the current and past Evaluation Limits.

1.3 Effects of Reporting/Method Detection Limits on the Statistical Calculations

Some of the parameters tested may be present, if at all, in concentrations which are less than the laboratory Reporting/Method Detection Limit. (Reported concentrations that are less than the laboratory Reporting/Method Detection Limit are shown in **Table 8B** and the exception reports with a "<" symbol.) As a result, an accurate calculation of the mean concentration and standard deviation values from the data set cannot be completed. However, for purposes of water quality comparison, the mean values, standard deviations, and Upper Limits were computed using half the Reporting or Method Detection Limit values in the computations when considering "<" values, as directed by correspondence from IDNR dated May 9, 2013.

1.4 Evaluation Based on Statistical Limits/MCLs

The **Statistical Reports** section of this annual report contains the exception reports and provides a comparison of the analytical data to the Evaluation Limits. In addition, time trend graphs for the wells are included in the **Time Trend Graphs** section of this annual report.

1.4.1 Shallow Upgradient Water Quality

The Evaluation Limits were exceeded in well MW-8 for the following parameters:

- Total Organic Halogens – second event 2024

1.4.2 Shallow Downgradient Water Quality

Evaluation Limits were exceeded in the following monitoring wells:

MW-11

- pH – second event 2024
- Specific Conductance
- cis-1,2-Dichloroethene
- Tetrachloroethene
- Trichloroethylene
- Chemical Oxygen Demand (COD)
- Total Organic Halogens – second event 2024
- Chloride
- Fluoride (total and dissolved)
- Boron
- Iron (total) – second event 2024
- Aluminum
- Beryllium
- Cadmium – second event 2024
- Magnesium – first event 2024
- Manganese
- Nickel – first event 2024
- Strontium

Increasing trends are noted for pH, specific conductance, COD, and chloride. Generally decreasing trends are noted for trichloroethylene, vinyl chloride, strontium, fluoride (dissolved), and tetrachloroethene.

MW-13

- pH – second event 2024
- Specific Conductance
- Benzene
- 1,1-Dichloroethane
- cis-1,2-Dichloroethene – second event 2024
- trans-1,2-Dichloroethene
- Vinyl Chloride
- Nitrogen-Ammonia
- COD

- Total Organic Halogens – second event 2024
- Chloride
- Fluoride (total and dissolved)
- Nitrite – second event 2024
- Sulfate
- Boron
- Lithium – second event 2024
- Iron (dissolved)
- Aluminum
- Arsenic
- Cobalt
- Magnesium
- Manganese
- Nickel – first event 2024
- Strontium

Generally decreasing trends are noted for cis-1,2 dichloroethene, trans-1,2 dichloroethene, specific conductance, total organic halogens, nitrogen-ammonia, vinyl chloride, and chloride. Increasing trends are noted for pH, sulfate, iron-dissolved, and manganese. Several metal parameter concentrations remain relatively elevated.

MW-16

- pH
- Specific Conductance
- 1,1 Dichloroethane
- cis-1,2-Dichloroethene
- trans-1,2-Dichloroethene – second event 2024
- Vinyl Chloride – second event 2024
- COD
- Total Organic Halogens – second event 2024
- Chloride
- Fluoride (dissolved)
- Sulfate
- Boron
- Iron (dissolved) – second event 2024
- Arsenic – second event 2024
- Cobalt
- Magnesium
- Manganese
- Nickel – first event 2024
- Strontium

Increasing trends are noted for pH. Generally decreasing trends are noted for specific conductivity, sulfate, and chloride.

MW-17

- Specific Conductance
- COD
- Total Organic Halogens – second event 2024
- Chloride
- Fluoride (total and dissolved)
- Sulfate
- Boron
- Aluminum
- Magnesium
- Manganese
- Nickel – first event 2024
- Strontium

Generally decreasing trends are noted for specific conductivity and chloride. Generally increasing trends are noted for dissolved fluoride and aluminum.

MW-44

- pH – second event 2024
- Specific Conductance
- Total Organic Halogens – second event 2024
- Chloride
- Sulfate
- Lithium
- Iron (total) – second event 2024
- Aluminum – first event 2024
- Cobalt – first event 2024
- Magnesium
- Manganese
- Strontium

Generally increasing trends are noted for pH and sulfate. The remaining analytes remain relatively consistent with previous trends.

MW-46

- pH – second event 2024
- Specific Conductance – second event 2024
- Nitrogen – Ammonia
- COD
- Total Organic Halogens – second event 2024
- Chloride
- Iron (dissolved) – second event 2024

- Iron (total) – second event 2024
- Arsenic
- Cobalt
- Magnesium
- Manganese
- Nickel
- Strontium
- Vanadium – second event 2024

Increasing trends were noted for total and dissolved iron. The remaining analytes remain relatively consistent with previous trends.

MW-48

- Specific Conductance
- COD
- Total Organic Halogens – second event 2024
- Chloride
- Iron (dissolved and total) – second event 2024
- Arsenic
- Cobalt
- Magnesium
- Manganese
- Nickel
- Strontium

Increasing trends were noted for pH and COD. The remaining analytes remain relatively consistent with previous trends.

1.4.3 Intermediate Upgradient Water Quality

The Lowest Standard for Total Lithium and Sulfate were exceeded for MW-7 during both 2024 events.

The Evaluation Limits for the following parameters were exceeded:

- Specific Conductance – second event 2024
- COD – first event 2024
- Sulfate – first event 2024

1.4.4 Intermediate Downgradient Water Quality

Evaluation Limits were exceeded in the following monitoring wells:

MW-12

- Specific Conductance
- 1,1-Dichloroethane

- cis-1,2-Dichloroethene – second event 2024
- Nitrogen - Ammonia
- COD
- Chloride
-
- Boron
- Cobalt
- Magnesium
- Manganese
- Nickel – first event 2024
- Strontium

An increasing trend was noted for total organic halogens. Decreasing trends were noted for boron, 1,1-dichloroethane, chloride. Magnesium and strontium concentrations remain relatively high.

MW-45

- Specific Conductance – second event 2024
- Nitrogen-Ammonia
- COD – first event 2024
- Sulfate
- Iron (dissolved)
- Iron (total) – second event 2024
- Arsenic
- Cobalt
- Magnesium
- Manganese
- Nickel
- Strontium

Increasing trends were noted for total organic halogens, dissolved fluoride, arsenic. Decreasing trends were noted for total fluoride, cobalt, and nickel. Lithium concentrations remain relatively high.

MW-47

- pH – second event 2024
- Specific Conductance – second event 2024
- Nitrogen-Ammonia
- COD
- Total Organic Halogens – second event 2024
- Chloride
- Fluoride (dissolved) – first event 2024
- Sulfate – first event 2024
- Iron (dissolved)
- Iron (total) – second event 2024

- Arsenic
- Cobalt
- Magnesium
- Manganese
- Nickel – first event 2024
- Strontium

Decreasing trends were noted for cobalt. Slightly increasing trends were noted for dissolved and total iron.

MW-49

- Specific Conductance
- Nitrogen-Ammonia
- COD
- Chloride – first event 2024
- Sulfate
- Iron (dissolved)
- Iron (total) – second event 2024
- Aluminum
- Arsenic
- Beryllium – first event 2024
- Chromium – second event 2024
- Cobalt
- Lead – second event 2024
- Magnesium – second event 2024
- Manganese
- Strontium – second event 2024
- Vanadium – second event 2024

Decreasing trends were noted for manganese, dissolved iron, and chloride. Increasing trends were noted for cobalt, aluminum, lithium, total organic halogens, and nitrogen/ammonia.

1.4.5 Surface Water Quality

Evaluation Limits were exceeded for the following parameters during the first 2024 semiannual event:

- Fluoride (total and dissolved)
- Aluminum
- Manganese

No surface water samples were collected during the second 2024 semiannual event due to a lack of surface water flow at the subject monitoring locations.

1.5 Evaluation Based on Regulatory Standards

As stated previously, the 567 IAC Chapter 137 Iowa Statewide Standards for both protected and non-protected groundwater sources, in addition to USEPA standards including the MCLs, SMCLs, and HALs, are reported in **Table 8B**. Reported values that exceed one or more standards are identified in the table.

The analytical results from the 2024 sampling events indicated that several parameters were detected at or above one or more of the referenced regulatory standards. The results are presented in **Table 8B**. A list of the identified parameters with the associated well(s) is presented below:

- pH (MW-11-August, MW-13-August, MW-16, MW-44-August, MW-46-August, and MW-47-August)
- Tetrachloroethene (MW-11)
- Vinyl Chloride (MW-13-August)
- Chloride (MW-11-April, MW-13, MW-16, MW-17, and MW-48-August)
- Dissolved Fluoride (MW-11, MW-13, and MW-17)
- Total Fluoride (MW-11, MW-13, MW-16-April, and MW-17)
- Sulfate (MW-7, MW-12, MW-13, MW-16, MW-17, MW-45, MW-47, and MW-49)
- Boron (MW-12, MW-13, MW-16, and MW-17)
- Lithium (MW-7, MW-12, MW-13-August, MW-16-August, MW-17-August, MW-44, MW-45, MW-47, MW-48-August, and MW-49)
- Dissolved Iron (MW-13, MW-16-August, MW-45-August, MW-46-August, MW-47, and MW-49)
- Total Iron (MW-45-August, MW-46-August, MW-47-August, and MW-49-August)
- Aluminum (MW-11, MW-13, MW-17, and MW-49)
- Arsenic (MW-13-August, MW-46-August, MW-47, and MW-49-August)
- Cobalt (MW-13, MW-16, MW-45, and MW-46-August)
- Manganese (MW-11, MW-12, MW-13, MW-16, MW-17, MW-45, MW-46, MW-47, MW-48, and MW-49)

The results are similar to those reported for 2023. Based on a review of the data from 2016 through 2024, WDC may discuss the analytical results with IDNR to determine if any of the additional testing parameters can be discontinued based on an absence of detections, detections without exceptions, or detections below regulatory standards. If the determination can be made, WDC will petition IDNR for approval to reduce the list of additional parameters in accordance with Special Provision X.4.d. of the current permit.

Several parameters listed in **Table 8B** have Method Detection Limits that are above one or more of the referenced standards. WDC will continue to work with the laboratory to lower both the Reporting Limits and the Method Detection Limits of the required analytes to the extent practicable. WDC has contacted Eurofins repeatedly to emphasize the importance of obtaining analytical limits at or below the minimum Iowa Statewide Groundwater Standards.

Table 5 – Background Summary

Table 5
Background Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent	Units	Samples	Detections	Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Action Level (Lowest Applicable Standard)	Mean Background Intermediate	Mean Background Shallow	Statistical Test for Evaluation Limit	Evaluation Limit Intermediate	Evaluation Limit Shallow	Source
VOLATILE ORGANIC COMPOUNDS (VOCs)															
1,4-Dioxane	µg/l	20	0	NA	NA	1000	200	1000	200	19.1050	19.1050	M+2SD	31.7350	31.7350	MCL/SMCL/HAL // SSPGS/SSNPGS
Acetone	µg/l	26	0	NA	NA	NA	6300	32000	6300	1.5953	1.5125	M+2SD	2.7387	2.1982	MCL/SMCL/HAL // SSPGS/SSNPGS
Benzene	µg/l	26	2	5	NA	100	5	64	5	0.0947	0.1064	M+2SD	0.1440	0.1957	MCL/SMCL/HAL // SSPGS/SSNPGS
n-Butylbenzene	µg/l	26	0	NA	NA	NA	350	1800	350	0.2103	0.2103	M+2SD	0.2416	0.2416	MCL/SMCL/HAL // SSPGS/SSNPGS
1,2,4-Trimethylbenzene	µg/l	26	0	NA	NA	NA	70	350	70	0.1794	0.1794	M+2SD	0.2780	0.2780	MCL/SMCL/HAL // SSPGS/SSNPGS
1,1-Dichloroethane	µg/l	26	6	NA	NA	NA	140	700	140	0.1086	0.1086	M+2SD	0.1131	0.1131	MCL/SMCL/HAL // SSPGS/SSNPGS
1,3,5-Trimethylbenzene	µg/l	26	0	NA	NA	NA	70	350	70	0.1614	0.1614	M+2SD	0.2375	0.2375	MCL/SMCL/HAL // SSPGS/SSNPGS
cis-1,2-Dichloroethene	µg/l	26	6	70	NA	70	70	350	70	0.0939	0.0939	M+2SD	0.1297	0.1297	MCL/SMCL/HAL // SSPGS/SSNPGS
trans-1,2-Dichloroethene	µg/l	26	3	100	NA	100	100	700	100	0.1267	0.1267	M+2SD	0.1535	0.1535	MCL/SMCL/HAL // SSPGS/SSNPGS
2-Butanone (MEK)	µg/l	26	0	NA	NA	20000	4000	21000	4000	1.0675	1.0042	M+2SD	2.4738	1.9429	MCL/SMCL/HAL // SSPGS/SSNPGS
Tetrachloroethene	µg/l	26	2	5	NA	500	5	1700	5	0.1983	0.1983	M+2SD	0.3327	0.3327	MCL/SMCL/HAL // SSPGS/SSNPGS
1,1,1-Trichloroethane	µg/l	26	0	200	NA	70000	200	70000	200	0.0853	0.0853	M+2SD	0.1166	0.1166	MCL/SMCL/HAL // SSPGS/SSNPGS
Trichloroethylene	µg/l	26	2	5	NA	200	5	76	5	0.1817	0.1831	M+2SD	0.2892	0.2929	MCL/SMCL/HAL // SSPGS/SSNPGS
Vinyl Chloride	µg/l	26	3	2	NA	100	2	10	2	0.1022	0.1022	M+2SD	0.2464	0.2464	MCL/SMCL/HAL // SSPGS/SSNPGS
Naphthalene	µg/l	0	0	NA	NA	700	100	NA	100	0.2718	0.2831	M+2SD	1.0620	1.0302	MCL/SMCL/HAL // SSPGS/SSNPGS
Xylenes Total	µg/l	26	0	10000	NA	7000	10000	50000	7000	0.1667	0.1625	M+2SD	0.2787	0.2834	MCL/SMCL/HAL // SSPGS/SSNPGS
Acrylonitrile	µg/l	26	0	NA	NA	NA	0.32	6.5	0.32	0.8681	0.8681	M+2SD	1.6161	1.6161	MCL/SMCL/HAL // SSPGS/SSNPGS
Bromochloromethane	µg/l	26	0	NA	NA	500	90	450	90	0.2117	0.2117	M+2SD	0.3998	0.3998	MCL/SMCL/HAL // SSPGS/SSNPGS
Bromodichloromethane	µg/l	26	0	80	NA	100	80	400	80	0.1500	0.1575	M+2SD	0.2773	0.2784	MCL/SMCL/HAL // SSPGS/SSNPGS
Bromoform	µg/l	26	0	80	NA	1000	80	440	80	0.3011	0.3011	M+2SD	0.5878	0.5878	MCL/SMCL/HAL // SSPGS/SSNPGS
Carbon disulfide	µg/l	26	0	NA	NA	NA	700	3500	700	0.1833	0.1833	M+2SD	0.3177	0.3177	MCL/SMCL/HAL // SSPGS/SSNPGS
Carbon tetrachloride	µg/l	26	0	5	NA	100	5	50	5	0.2681	0.2681	M+2SD	0.4517	0.4517	MCL/SMCL/HAL // SSPGS/SSNPGS
Chlorobenzene	µg/l	26	0	100	NA	700	100	700	100	0.1708	0.1708	M+2SD	0.2649	0.2649	MCL/SMCL/HAL // SSPGS/SSNPGS
Chloroethane	µg/l	26	0	NA	NA	NA	2800	14000	2800	0.3061	0.3061	M+2SD	0.5928	0.5928	MCL/SMCL/HAL // SSPGS/SSNPGS
Chloroform	µg/l	26	0	80	NA	350	80	NA	80	0.5083	0.5083	M+2SD	0.9652	0.9652	MCL/SMCL/HAL // SSPGS/SSNPGS
Chlorodibromomethane	µg/l	26	0	80	NA	700	80	400	80	0.2986	0.2986	M+2SD	0.5450	0.5450	MCL/SMCL/HAL // SSPGS/SSNPGS
1,2-Dibromo-3-Chloropropane	µg/l	26	0	0.2	NA	NA	0.2	2.9	0.2	0.5028	0.5028	M+2SD	0.8163	0.8163	MCL/SMCL/HAL // SSPGS/SSNPGS
1,2-Dibromoethane (EDB)	µg/l	26	0	0.05	NA	300	0.05	1.8	0.05	0.1408	0.1408	M+2SD	0.2349	0.2349	MCL/SMCL/HAL // SSPGS/SSNPGS
1,2-Dichlorobenzene	µg/l	26	0	600	NA	3000	600	3200	600	0.1531	0.1531	M+2SD	0.2561	0.2561	MCL/SMCL/HAL // SSPGS/SSNPGS
1,4-Dichlorobenzene	µg/l	26	0	75	NA	4000	75	650	75	0.1108	0.1108	M+2SD	0.1243	0.1243	MCL/SMCL/HAL // SSPGS/SSNPGS
trans-1,4-Dichloro-2-butene	µg/l	26	0	NA	NA	NA	1.8	35	1.8	0.4153	0.4153	M+2SD	0.8497	0.8497	MCL/SMCL/HAL // SSPGS/SSNPGS
1,2-Dichloroethane	µg/l	26	0	5	NA	NA	5	38	5	0.1708	0.1611	M+2SD	0.2575	0.2573	MCL/SMCL/HAL // SSPGS/SSNPGS
1,1-Dichloroethene	µg/l	26	0	7	NA	2000	7	180	7	0.2231	0.2231	M+2SD	0.4067	0.4067	MCL/SMCL/HAL // SSPGS/SSNPGS
trans-1,3-Dichloropropene	µg/l	26	0	NA	NA	1000	1.8	35	1.8	0.2328	0.2328	M+2SD	0.3851	0.3851	MCL/SMCL/HAL // SSPGS/SSNPGS
cis-1,3-Dichloropropene	µg/l	26	0	NA	NA	1000	1.8	35	1.8	0.1111	0.1111	M+2SD	0.1559	0.1559	MCL/SMCL/HAL // SSPGS/SSNPGS
1,2-Dichloropropane	µg/l	26	0	5	NA	NA	5	60	5	0.2183	0.2183	M+2SD	0.4871	0.4871	MCL/SMCL/HAL // SSPGS/SSNPGS
2-Hexanone	µg/l	26	0	NA	NA	NA	NA	NA	NA	0.7500	0.7500	M+2SD	1.5562	1.5562	MCL/SMCL/HAL // SSPGS/SSNPGS
Ethylbenzene	µg/l	26	0	700	NA	3000	700	3500	700	0.1411	0.1411	M+2SD	0.1859	0.1859	MCL/SMCL/HAL // SSPGS/SSNPGS
Chloromethane	µg/l	26	0	NA	NA	NA	NA	NA	NA	1.1908	0.2633	M+2SD	8.8606	0.3977	MCL/SMCL/HAL // SSPGS/SSNPGS
Bromomethane	µg/l	26	0	NA	NA	50	10	50	10	0.5285	0.4706	M+2SD	1.1213	0.7952	MCL/SMCL/HAL // SSPGS/SSNPGS
Dibromomethane	µg/l	26	0	NA	NA	NA	70	350	70	0.1411	0.1442	M+2SD	0.2092	0.2114	MCL/SMCL/HAL // SSPGS/SSNPGS
Methylene Chloride	µg/l	26	0	5	NA	2000	5	1800	5	0.6674	0.6931	M+2SD	1.2238	1.2296	MCL/SMCL/HAL // SSPGS/SSNPGS
4-Methyl-2-pentanone (MIBK)	µg/l	26	0	NA	NA	NA	560	2800	560	0.7422	0.7889	M+2SD	1.6138	1.6309	MCL/SMCL/HAL // SSPGS/SSNPGS
Iodomethane	µg/l	26	0	NA	NA	NA	NA	NA	NA	2.4506	2.6389	M+2SD	5.4215	5.4159	MCL/SMCL/HAL // SSPGS/SSNPGS
Styrene	µg/l	26	0	100	NA	7000	100	NA	100	0.1475	0.1475	M+2SD	0.2684	0.2684	MCL/SMCL/HAL // SSPGS/SSNPGS
1,1,1,2-Tetrachloroethane	µg/l	26	0	NA	NA	1000	70	350	70	0.1617	0.1664	M+2SD	0.2418	0.2425	MCL/SMCL/HAL // SSPGS/SSNPGS
1,1,2,2-Tetrachloroethane	µg/l	26	0	NA	NA	400	0.3	18	0.3	0.1781	0.1836	M+2SD	0.3432	0.3493	MCL/SMCL/HAL // SSPGS/SSNPGS
1,1,2-Trichloroethane	µg/l	26	0	5	NA	100	5	61	5	0.2250	0.1792	M+2SD	0.6510	0.3270	MCL/SMCL/HAL // SSPGS/SSNPGS
Toluene	µg/l	26	0	1000	NA	3000	1000	5000	1000	0.1775	0.1761	M+2SD	0.3051	0.3015	MCL/SMCL/HAL // SSPGS/SSNPGS
Trichlorofluoromethane	µg/l	26	0	NA	NA	10000	2000	10000	2000	0.1556	0.1608	M+2SD	0.2531	0.2549	MCL/SMCL/HAL // SSPGS/SSNPGS
1,2,3-Trichloropropane	µg/l	26	0	NA	NA	100	0.0058	0.12	0.0058	0.2350	0.2394	M+2SD	0.4124	0.4186	MCL/SMCL/HAL // SSPGS/SSNPGS
Vinyl acetate	µg/l	26	0	NA	NA	NA	NA	NA	NA	0.9411	1.0056	M+2SD	1.8231	1.7939	MCL/SMCL/HAL // SSPGS/SSNPGS
Isopropylbenzene	µg/l	26	0	NA	NA	4000	700	3500	700	0.1515	0.1528	M+2SD	0.2244	0.2244	MCL/SMCL/HAL // SSPGS/SSNPGS

Table 5
Background Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent	Units	Samples	Detections	Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Action Level (Lowest Applicable Standard)	Mean Background Intermediate	Mean Background Shallow	Statistical Test for Evaluation Limit	Evaluation Limit Intermediate	Evaluation Limit Shallow	Source
INORGANICS															
General Chemistry															
pH	s.u.												6.5-8.5*	6.5-8.5*	MCL/SMCL/HAL // SSPGS/SSNPGS
Specific Conductance	mhos/cm												2107.54	873.12	MCL/SMCL/HAL // SSPGS/SSNPGS
BOD	mg/L	0	0	NA	NA	NA	NA	NA	NA	1.1000	0.0000	M+2SD	1.1000	0.0000000	MCL/SMCL/HAL // SSPGS/SSNPGS
Nitrogen, Ammonia	mg/L	26	12	NA	NA	NA	30	170	30	0.0562	0.0431	M+2SD	0.1607	0.0564748	MCL/SMCL/HAL // SSPGS/SSNPGS
COD, Block Digestor	mg/L	26	24	NA	NA	NA	NA	NA	NA	3.3061	3.3561	M+2SD	7.4647	6.5623698	MCL/SMCL/HAL // SSPGS/SSNPGS
Phenols	mg/L	13	0	NA	NA	11	2	10	2	0.0443	0.0063	M+2SD	0.2748	0.0093913	MCL/SMCL/HAL // SSPGS/SSNPGS
Total Solids	mg/L	0	0	NA	NA	NA	NA	NA	NA	0.2250	0.0000	M+2SD	0.2250	0.0000000	MCL/SMCL/HAL // SSPGS/SSNPGS
TDS	mg/L	0	0	NA	500	NA	NA	NA	500	0.3250	0.0000	M+2SD	0.3250	0.0000000	MCL/SMCL/HAL // SSPGS/SSNPGS
TSS	mg/L	0	0	NA	NA	NA	NA	NA	NA	0.2000	0.0000	M+2SD	0.2000	0.0000000	MCL/SMCL/HAL // SSPGS/SSNPGS
Total Organic Halogens	mg/L	13	13	NA	NA	NA	NA	NA	NA	0.0582	0.0218	M+2SD	0.2866	0.0597829	MCL/SMCL/HAL // SSPGS/SSNPGS
Anions															
Chloride	mg/L	26	26	NA	250	NA	NA	NA	250	9.4911	7.0389	M+2SD	15.9224	10.2175	MCL/SMCL/HAL // SSPGS/SSNPGS
Sulfide	mg/L	0	0	NA	NA	NA	NA	NA	NA	0.6000	0.0000	M+2SD	0.6000	NA	MCL/SMCL/HAL // SSPGS/SSNPGS
Fluoride - dissolved	mg/L	26	20	4	2	NA	4	20	2	0.6733	0.6587	M+2SD	1.2393	1.1517	MCL/SMCL/HAL // SSPGS/SSNPGS
Fluoride - Total	mg/L	26	16	4	2	NA	4	20	2	0.8075	1.8382	M+2SD	1.7991	8.0340	MCL/SMCL/HAL // SSPGS/SSNPGS
Nitrate N	mg/L	1	0	10	NA	NA	10	56	10	0.1150	6.9250	M+2SD	0.1150	6.9750	MCL/SMCL/HAL // SSPGS/SSNPGS
Nitrite N	mg/L	2	1	1	NA	NA	1	5	1	0.1877	0.0177	M+2SD	0.6176	0.0192	MCL/SMCL/HAL // SSPGS/SSNPGS
Sulfate	mg/L	26	26	NA	250	500	NA	NA	250	640.7886	42.5389	M+2SD	1139.4168	55.7788	MCL/SMCL/HAL // SSPGS/SSNPGS
Bromate	mg/L	0	0	0.01	NA	0.14	0.01	0.05	0.01	0.4560	0.2500	M+2SD	1.2503	NA	MCL/SMCL/HAL // SSPGS/SSNPGS
Total Phosphorus	mg/L	0	0	NA	NA	NA	24	119	24	0.2800	0.0000	M+2SD	0.2800	NA	MCL/SMCL/HAL // SSPGS/SSNPGS
Metals															
Boron Total	mg/L	26	23	NA	NA	7	6	30	6	1.1092	0.1397	M+2SD	1.6073447	0.7588884	MCL/SMCL/HAL // SSPGS/SSNPGS
Lithium Total	mg/L	26	19	NA	NA	NA	0.014	0.07	0.014	0.1258	0.0128	M+2SD	0.5508691	0.0231771	MCL/SMCL/HAL // SSPGS/SSNPGS
Iron - dissolved	mg/L	26	13	NA	0.3	NA	NA	NA	0.3	0.0353	0.0312	M+2SD	0.0992657	0.0653436	MCL/SMCL/HAL // SSPGS/SSNPGS
Iron Total	mg/L	7	7	NA	0.3	NA	NA	NA	0.3	0.0270	0.0285	M+2SD	0.0397268	0.0375500	MCL/SMCL/HAL // SSPGS/SSNPGS
Aluminum Total	mg/L	26	13	NA	0.05 - 0.2	NA	NA	NA	0.05-0.2	0.0123	0.0361	M+2SD	0.0231569	0.1623503	MCL/SMCL/HAL // SSPGS/SSNPGS
Antimony Total	mg/L	0	0	0.006	NA	0.01	0.006	0.03	0.006	0.0002	0.0002	M+2SD	0.0005525	0.0005525	MCL/SMCL/HAL // SSPGS/SSNPGS
Arsenic Total	mg/L	26	13	0.01	NA	0.01	0.01	0.05	0.01	0.0004	0.0004	M+2SD	0.0006410	0.0006477	MCL/SMCL/HAL // SSPGS/SSNPGS
Barium Total	mg/L	0	0	2	NA	7	2	10	2	0.0281	0.1250	M+2SD	0.0398150	0.1449499	MCL/SMCL/HAL // SSPGS/SSNPGS
Beryllium Total	mg/L	26	2	0.004	NA	0.07	0.004	0.07	0.004	0.0001	0.0001	M+2SD	0.0001794	0.0001744	MCL/SMCL/HAL // SSPGS/SSNPGS
Cadmium Total	mg/L	7	1	0.005	NA	0.02	0.005	NA	0.005	0.0000	0.0000	M+2SD	0.0000949	0.0001037	MCL/SMCL/HAL // SSPGS/SSNPGS
Chromium Total	mg/L	0	0	0.1	NA	0.1	0.1	0.5	0.1	0.0004	0.0005	M+2SD	0.0006636	0.0013300	MCL/SMCL/HAL // SSPGS/SSNPGS
Chromium - Dissolved - VI	mg/L	2	0	0.1	NA	0.1	0.021	0.1	0.021	0.0027	0.0025	M+2SD	0.0029756	0.0025150	MCL/SMCL/HAL // SSPGS/SSNPGS
Chromium - Dissolved - Tri	mg/L	6	0	0.1	NA	0.1	10	52	0.1	0.0100	0.0100	M+2SD	0.0100000	0.0100000	MCL/SMCL/HAL // SSPGS/SSNPGS
Cobalt Total	mg/L	26	17	NA	NA	NA	0.0021	0.01	0.0021	0.0001	0.0001	M+2SD	0.0001546	0.0002759	MCL/SMCL/HAL // SSPGS/SSNPGS
Copper Total	mg/L	0	0	1.3	1	NA	1.3	6.6	1	0.0008	0.0008	M+2SD	0.0013773	0.0013773	MCL/SMCL/HAL // SSPGS/SSNPGS
Lead Total	mg/L	6	1	0.015	NA	NA	0.015	0.075	0.015	0.0001	0.0001	M+2SD	0.0001887	0.0002030	MCL/SMCL/HAL // SSPGS/SSNPGS
Magnesium Total	mg/L	26	26	NA	NA	NA	NA	NA	NA	57.7722	14.0500	M+2SD	87.5539322	15.4817821	MCL/SMCL/HAL // SSPGS/SSNPGS
Manganese Total	mg/L	26	25	NA	0.05	1.6	0.3	4.9	0.05	0.0068	0.0024	M+2SD	0.0186561	0.0057082	MCL/SMCL/HAL // SSPGS/SSNPGS
Molybdenum Total	mg/L	0	0	NA	NA	0.2	0.04	0.2	0.04	0.0075	0.0049	M+2SD	0.0086720	0.0062059	MCL/SMCL/HAL // SSPGS/SSNPGS
Nickel Total	mg/L	26	12	NA	NA	0.7	0.1	0.7	0.1	0.0009	0.0009	M+2SD	0.0013330	0.0013390	MCL/SMCL/HAL // SSPGS/SSNPGS
Silver Total	mg/L	0	0	NA	0.1	0.2	0.1	0.5	0.1	0.0001	0.0001	M+2SD	0.0001597	0.0001639	MCL/SMCL/HAL // SSPGS/SSNPGS
Strontium Total	mg/L	26	26	NA	NA	20	4	21	4	1.0076	0.1596	M+2SD	1.5728151	0.1757100	MCL/SMCL/HAL // SSPGS/SSNPGS
Thallium Total	mg/L	0	0	0.002	NA	NA	0.002	0.01	0.002	0.0001	0.0001	M+2SD	0.0003273	0.0003273	MCL/SMCL/HAL // SSPGS/SSNPGS
Vanadium Total	mg/L	6	2	NA	NA	NA	0.035	0.18	0.035	0.0006	0.0005	M+2SD	0.0012135	0.0011735	MCL/SMCL/HAL // SSPGS/SSNPGS
Zinc Total	mg/L	0	0	NA	5	10	2	10	2	0.0048	0.0102	M+2SD	0.0073743	0.0335609	MCL/SMCL/HAL // SSPGS/SSNPGS

Comments:
Action Level represents the lowest published standard.
Lowest Standard

Table 6 – Summary of Wells/Detected Constituents with Exceedances of Evaluation Limits

Table 6
Summary of Well/Detected Constituents With Evaluation Limit Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Constituent	Units	First Quarter Result (April 2024)	Third Quarter Result (August 2024)	Evaluation Limit
MW-7	COD, Block Digestor	mg/L	**9.68**	<4.80	7.4647
	Specific Conductance	umhos/cm	1300.4	**2297.0**	2107.54
MW-8	Total Organic Halogens	mg/L	NA	**0.0606**	0.0598
MW-11	pH	s.u	6.81	**6.29**	6.5-8.5
	Specific Conductance	umhos/cm	**3161.4**	**1515.8**	873.12
	cis-1,2-Dichloroethene	µg/L	**0.328 J**	**2.49**	0.1297
	Tetrachloroethene	µg/L	**16.60**	**9.69**	0.3327
	Trichloroethylene	µg/L	**0.53 J**	**0.839 J**	0.2929
	Total Organic Halogens	mg/L	NA	**0.205**	0.0598
	COD, Block Digestor	mg/L	**17.0**	**13.1**	6.56
	Chloride	mg/L	**1020**	**240**	10.22
	Fluoride - dissolved	mg/L	**11.6**	**18.9**	1.15
	Fluoride Total	mg/L	**11.5**	**18.2**	4.00
	Boron Total	mg/L	**2.05**	**2.24**	0.7589
	Aluminum Total	mg/L	**0.285**	**0.329**	0.1624
	Beryllium Total	mg/L	**0.000357 J**	**0.000619 J**	0.0002
	Nickel Total	mg/L	**0.00311 J**	<0.00210	0.00134
	Iron - Dissolved	mg/L	NA	**0.0525 J**	0.0376
	Magnesium Total	mg/L	**50.5**	14.0	15.48
	Manganese Total	mg/L	**0.073**	**0.105**	0.0057
	Cadmium Total	mg/L	NA	**0.000132 J**	0.000104
	Strontium Total	mg/L	**0.630**	**0.196**	0.1757
MW-12	Specific Conductance	umhos/cm	**3417.30**	**2913.80**	2107.54
	1,1-Dichloroethane	µg/L	**0.460 J**	**0.445 J**	0.1131
	cis-1,2-Dichloroethene	µg/L	<0.210	**0.556 J**	0.1297
	Nitrogen, Ammonia	mg/L	**1.13**	**1.23**	0.1607
	COD, Block Digestor	mg/L	**14.10**	**8.77**	7.4647
	Chloride	mg/L	**162**	**147**	15.92
	Sulfate	mg/L	**1950**	**1840**	1139.42
	Boron Total	mg/L	**16.8**	**16.3**	1.61
	Nickel Total	mg/L	**0.0163 J**	<0.00840	0.0013
	Cobalt Total	mg/L	**0.00140 J**	**0.00147 J**	0.0001546
	Magnesium Total	mg/L	**164**	**150**	87.55
	Manganese Total	mg/L	**3.53**	**3.34**	0.0187
	Strontium Total	mg/L	**2.82**	**2.88**	1.5728
MW-13	pH	s.u	**6.90**	6.00	6.5-8.5
	Specific Conductance	umhos/cm	**5308.2**	**6842.1**	873.12
	Total Organic Halogens	µg/L	NA	**0.259**	0.0598
	Benzene	µg/L	**0.320 J**	**0.721**	0.1957
	1,1-Dichloroethane	µg/L	**10.6**	**18.0**	0.1131
	cis-1,2-Dichloroethene	µg/L	<0.210	**4.68**	0.1297
	trans-1,2-Dichloroethene	µg/L	**0.662 J**	**2.20**	0.1535
	Vinyl Chloride	µg/L	**0.633 J**	**20.8**	0.2464
	Nitrogen, Ammonia	mg/L	**5.43**	**6.72**	0.0565
	Nitrite	mg/L	NA	**0.367**	0.0192
	COD, Block Digestor	mg/L	**34.2**	**33.9**	6.562
	Chloride	mg/L	**1170**	**1260**	10.217
	Fluoride - dissolved	mg/L	**47.0**	**51.1**	1.152
	Fluoride Total	mg/L	**46.9**	**50.3**	4.00
	Sulfate	mg/L	**1260**	**1480**	55.78
	Boron Total	mg/L	**125.0**	**19.2**	0.7589
	Lithium Total	mg/L	**<0.0960**	**0.0380**	0.0232
	Iron - dissolved	mg/L	**8.13**	**6.76**	0.0653
	Aluminum Total	mg/L	**3.63**	**2.27**	0.1624
	Arsenic Total	mg/L	**0.0152**	**0.0078**	0.000648
	Cobalt Total	mg/L	**0.0110**	**0.0179**	0.000276
	Magnesium Total	mg/L	**453**	**530**	15.48
	Manganese Total	mg/L	**20.8**	**26.0**	0.0057
	Nickel Total	mg/L	**0.0280 J**	<0.0735	0.0013
	Strontium Total	mg/L	**0.662**	**0.704**	0.1757

Table 6
Summary of Well/Detected Constituents With Evaluation Limit Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Constituent	Units	First Quarter Result (April 2024)	Third Quarter Result (August 2024)	Evaluation Limit
MW-16	pH	s.u	**6.20**	**6.14**	6.5-8.5
	Specific Conductance	umhos/cm	**3383.5**	**2962.6**	873.12
	cis-1,2-Dichloroethene	µg/L	**29.9**	**22.0**	0.1297
	trans-1,2-Dichloroethene	µg/L	<0.270	**0.342 J**	0.1535
	1,1-Dichloroethane	µg/L	**0.607 J**	**0.488 J**	0.1131
	Vinyl Chloride	µg/L	<0.180	**0.302 J**	0.2464
	Total Organic Halogens	mg/L	NA	**0.343**	0.0598
	COD, Block Digestor	mg/L	**19.2**	**25.6**	6.56
	Arsenic Total	mg/L	<0.000750	**0.000809 J**	0.000648
	Chloride	mg/L	**951**	**844**	10.22
	Fluoride - dissolved	mg/L	**2.03**	**1.68**	1.15
	Sulfate	mg/L	**500**	**383**	55.78
	Cobalt Total	mg/L	**0.00260**	**0.00438**	0.00028
	Magnesium Total	mg/L	**167**	**152**	15.48
	Manganese Total	mg/L	**2.21**	**2.59**	0.0057
	Lithium Total	mg/L	**0.1010**	<0.0420	0.0013
	Strontium Total	mg/L	**1.27**	**1.43**	0.1757
MW-17	Specific Conductance	umhos/cm	**2492.70**	**2508.30**	873.12
	Total Organic Halogens	mg/L	NA	0.309	0.0598
	COD, Block Digestor	mg/L	**19.2**	**11.8**	6.5624
	Chloride	mg/L	**431**	**427**	10.22
	Fluoride - dissolved	mg/L	**18.1**	**21.2**	1.15
	Fluoride Total	mg/L	**17.5**	**20.2**	4.00
	Sulfate	mg/L	**411**	**406**	55.78
	Boron Total	mg/L	**54.6**	**55.7**	0.7589
	Aluminum Total	mg/L	**0.750**	**0.602**	0.1624
	Nickel Total	mg/L	**0.00794 J**	<0.0424	0.0013
	Magnesium Total	mg/L	**128**	**122**	15.48
	Manganese Total	mg/L	**0.269**	**0.133**	0.0057
	Strontium Total	mg/L	**0.975**	**0.978**	0.1757
MW-44	pH	s.u	7.19	**6.39**	6.5-8.5
	Specific Conductance	umhos/cm	**1035.1**	**1161.9**	873.12
	Total Organic Halogens	mg/L	NA	**0.0635**	0.05978
	Chloride	mg/L	**45.3**	**16.7**	10.2175
	Sulfate	mg/L	**80.5**	**220**	55.7788
	Iron Total	mg/L	NA	**0.0539 J**	0.0376
	Lithium Total	mg/L	**0.0378 J**	**0.0485**	0.0232
	Fluoride - dissolved	mg/L	**0.000299 J**	<0.000170	0.000276
	Aluminum Total	mg/L	**0.1870**	0.0512	0.1624
	Magnesium Total	mg/L	**41.9**	**40.7**	15.4817821
	Manganese Total	mg/L	**0.0263**	**0.0124**	0.0057082
	Strontium Total	mg/L	**0.525**	**0.575**	0.1757100
MW-45	Specific Conductance	umhos/cm	1879.10	**3345.70**	2107.54
	COD, Block Digestor	mg/L	**12.20**	6.12	7.4647
	Sulfate	mg/L	**1980**	**2100**	1139.42
	Iron - Total	mg/L	NA	**0.319**	0.0397
	Iron - dissolved	mg/L	**0.227**	**0.318**	0.0993
	Arsenic Total	mg/L	**0.00252 J**	**0.00252**	0.000641
	Cobalt Total	mg/L	**0.00602**	**0.00554**	0.000155
	Magnesium Total	mg/L	**150**	**154**	87.55
	Manganese Total	mg/L	**2.16**	**2.31**	0.0187
	Nickel Total	mg/L	**0.0114 J**	**0.00856 J**	0.00133
	Nitrogen, Ammonia	mg/L	**0.491**	**0.527**	0.1607
	Strontium Total	mg/L	**2.34**	**2.44**	1.57
MW-46	pH	s.u	6.55	**5.73**	6.5-8.5
	Specific Conductance	umhos/cm	604.2	**1159.4**	873.12
	COD, Block Digestor	mg/L	**59.4**	**17.4**	6.56
	Total Organic Halogens	mg/L	NA	**0.411**	0.0598
	Chloride	mg/L	**61.7**	**72.4**	10.217
	Nitrogen, Ammonia	mg/L	**0.238**	**0.830**	0.0565

Table 6
Summary of Well/Detected Constituents With Evaluation Limit Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Constituent	Units	First Quarter Result (April 2024)	Third Quarter Result (August 2024)	Evaluation Limit
	Iron - dissolved	mg/L	0.0429 J	**3.33**	0.0653
	Iron - Total	mg/L	NA	**7.92**	0.0376
	Arsenic Total	mg/L	**0.0032**	**0.0147**	0.000648
	Cobalt Total	mg/L	**0.00081**	**0.00264**	0.000276
	Magnesium Total	mg/L	**21.2**	**40.7**	15.48
	Manganese Total	mg/L	**0.572**	**2.080**	0.00571
	Nickel Total	mg/L	**0.0087**	**0.0210**	0.0013
	Vanadium	mg/L	NA	**0.00147 J**	0.0011735
	Strontium Total	mg/L	**0.362**	**0.658**	0.1757
MW-47	pH	s.u	6.96	**6.37**	6.5-8.5
	Specific Conductance	umhos/cm	1033.7	**3070.9**	2107.54
	Total Organic Halogens	mg/L	NA	0.355	0.2866
	Nitrogen, Ammonia	mg/L	**0.562**	**0.671**	0.1607
	COD, Block Digestor	mg/L	**14.1**	**11.8**	7.4647
	Chloride	mg/L	14.7	**21.1**	15.92
	Sulfate	mg/L	**1830**	1050	1139.42
	Fluoride - dissolved	mg/L	**1.260**	0.923 J	1.24
	Nickel Total	mg/L	**0.0122 J**	<0.00190	0.00133
	Iron - dissolved	mg/L	**2.29**	**1.48**	0.0993
	Iron - Total	mg/L	NA	**3.54**	0.0397
	Arsenic Total	mg/L	**0.0127**	**0.0169**	0.000641
	Cobalt Total	mg/L	**0.00172 J**	**0.00166 J**	0.000155
	Magnesium Total	mg/L	**110**	**111**	87.55
	Manganese Total	mg/L	**1.37**	**1.48**	0.0187
	Strontium Total	mg/L	**1.61**	**1.71**	1.5728
MW-48	Specific Conductance	umhos/cm	**894.6**	**1312.8**	873.12
	Total Organic Halogens	mg/L	NA	**0.122**	0.0598
	COD, Block Digestor	mg/L	**12.90**	**9.10**	6.562
	Chloride	mg/L	**190**	**269**	10.22
	Arsenic Total	mg/L	**0.00116 J**	**0.00120 J**	0.000648
	Iron - dissolved	mg/L	<0.0360	**0.106**	0.0653
	Iron - Total	mg/L	NA	**0.225**	0.0376
	Cobalt Total	mg/L	**0.00094**	**0.00127**	0.00028
	Magnesium Total	mg/L	**25.8**	**30.4**	15.48
	Manganese Total	mg/L	**0.107**	**0.168**	0.0057
	Strontium Total	mg/L	**0.367**	**0.518**	0.1757
	Nickel Total	mg/L	**0.00368 J**	**0.00360 J**	0.00134
MW-49	Specific Conductance	umhos/cm	**2754.10**	**3114.70**	2107.5430
	Nitrogen, Ammonia	mg/L	**2.20**	**2.19**	0.1607
	COD, Block Digestor	mg/L	**17.7**	**12.7**	7.46
	Chloride	mg/L	**18.7**	15.7	15.92
	Sulfate	mg/L	**1990**	**1880**	1139.42
	Beryllium Total	mg/L	**0.000288J**	<0.000330	0.000179
	Aluminum Total	mg/L	**0.2660**	**0.3670**	0.0232
	Lead	mg/L	NA	**0.00268**	0.000189
	Iron - dissolved	mg/L	**8.06**	**8.27**	0.0993
	Iron - Total	mg/L	NA	**10.400**	0.0397
	Arsenic Total	mg/L	**0.0085**	**0.0126**	0.000641
	Cobalt Total	mg/L	**0.00125 J**	**0.00166**	0.000155
	Magnesium Total	mg/L	74.8	**132.0**	87.55
	Manganese Total	mg/L	**0.75**	**1.24**	0.0187
	Chromium	mg/L	NA	**0.00121 J**	0.000664
	Vanadium	mg/L	NA	**0.00242 J**	0.00121
	Strontium Total	mg/L	1.25	**2.40**	1.57

Comment:
Evaluation Limit = Lesser value of either upper limit or MCL from corresponding upgradient well.

Table 7 – Summary of Ongoing and Newly Identified Regulatory Standard Exceedances

Table 7
Summary of Ongoing and Newly Identified Regulatory Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Constituent	Units	Most Recent Result August 2024	Lowest Standard	Standard Source
MW-7	Sulfate	mg/L	922	250	SMCL
	Lithium Total	mg/L	0.0983	0.014	IA Standard Protected GW
MW-11	pH	s.u.	6.3	6.5-8.5	SMCL
	Tetrachloroethene	µg/l	9.7	5	MCL/IA Standard Protected GW
	Fluoride - dissolved	mg/L	18.9	2	SMCL
	Fluoride Total	mg/L	18.2	2	SMCL
	Aluminum Total	mg/L	0.329	0.05-0.2	SMCL
	Manganese Total	mg/L	0.1050	0.05	SMCL
MW-12	Sulfate	mg/L	1840	250	SMCL
	Boron Total	mg/L	16.3	6	IA Standard Protected GW
	Lithium Total	mg/L	0.118	0.014	IA Standard Protected GW
	Manganese Total	mg/L	3.34	0.05	SMCL
MW-13	pH	s.u.	6.0	6.5-8.5	SMCL
	Vinyl Chloride	ug/L	20.8	5	SMCL
	Chloride	mg/L	1260	250	SMCL
	Fluoride - dissolved	mg/L	51.1	2	SMCL
	Fluoride Total	mg/L	50.3	2	SMCL
	Sulfate	mg/L	1480	250	SMCL
	Boron Total	mg/L	19	6	IA Standard Protected GW
	Iron - dissolved	mg/L	6.76	0.3	SMCL
	Aluminum Total	mg/L	2.27	0.05-0.2	SMCL
	Cobalt Total	mg/L	0.0179	0.0021	IA Standard Protected GW
	Manganese Total	mg/L	26.0	0.05	SMCL
MW-16	pH	s.u.	6.1	6.5-8.5	SMCL
	Chloride	mg/L	844	250	SMCL
	Lithium Total	mg/L	0.0236	0.014	IA Standard Protected GW
	Iron - dissolved	mg/L	0.381	0.3	SMCL
	Sulfate	mg/L	383	250	SMCL
	Boron Total	mg/L	57.3	6	IA Standard Protected GW
	Cobalt Total	mg/L	0.00438	0.0021	IA Standard Protected GW
	Manganese Total	mg/L	2.59	0.05	SMCL
MW-17	Chloride	mg/L	427	250	SMCL
	Fluoride - dissolved	mg/L	21.2	2	SMCL
	Fluoride Total	mg/L	20.2	2	SMCL
	Sulfate	mg/L	406	250	SMCL
	Boron Total	mg/L	55.7	6	IA Standard Protected GW
	Lithium Total	mg/L	0.0214	0.014	IA Standard Protected GW
	Aluminum Total	mg/L	0.602	0.05-0.2	SMCL
	Manganese Total	mg/L	0.133	0.05	SMCL
MW-44	pH	s.u.	6.39	6.5-8.5	SMCL
	Lithium Total	mg/L	0.0485	0.014	IA Standard Protected GW
MW-45	Sulfate	mg/L	2100	250	SMCL
	Lithium Total	mg/L	0.148	0.014	IA Standard Protected GW
	Iron - dissolved	mg/L	0.318	0.3	SMCL
	Iron - Total	mg/L	0.319	0.3	SMCL
	Cobalt Total	mg/L	0.00554	0.0021	IA Standard Protected GW
	Manganese Total	mg/L	2.31	0.05	SMCL
MW-46	pH	s.u.	5.73	6.5-8.5	SMCL
	Iron - dissolved	mg/L	3.33	0.3	SMCL
	Iron - Total	mg/L	7.92	0.3	SMCL
	Arsenic Total	mg/L	0.0147	0.01	MCL
	Cobalt Total	mg/L	0.00264	0.0021	IA Standard Protected GW
	Manganese Total	mg/L	2.08	0.05	SMCL
MW-47	pH	s.u.	6.37	6.5-8.5	SMCL
	Sulfate	mg/L	1050	250	SMCL
	Lithium Total	mg/L	0.0826	0.014	IA Standard Protected GW
	Iron - dissolved	mg/L	1.48	0.3	SMCL
	Iron - Total	mg/L	3.54	0.3	SMCL
	Arsenic Total	mg/L	0.0169	0.01	MCL
	Manganese Total	mg/L	1.48	0.05	SMCL

Table 7
Summary of Ongoing and Newly Identified Regulatory Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Constituent	Units	Most Recent Result August 2024	Lowest Standard	Standard Source
MW-48	Chloride	mg/L	269	250	SMCL
	Lithium Total	mg/L	0.0181	0.014	IA Standard Protected GW
	Manganese Total	mg/L	0.168	0.05	SMCL
MW-49	Sulfate	mg/L	1880	250	SMCL
	Lithium Total	mg/L	0.0956	0.014	IA Standard Protected GW
	Iron - dissolved	mg/L	8.27	0.3	SMCL
	Iron - Total	mg/L	10.4	0.3	SMCL
	Aluminum Total	mg/L	0.367	0.05-0.2	SMCL
	Arsenic Total	mg/L	0.0126	0.01	MCL
	Manganese Total	mg/L	1.240	0.05	SMCL

MCL denotes Maximum Contaminant Level
SMCL denotes Secondary Maximum Contaminant Level
HAL denotes Health Advisory Level
IA Statewide Standards Protected Groundwater Source
IA Statewide Standards Non-Protected Groundwater Source

Table 8A – Analytical Data Summary

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
BOD (CASID10003)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // SS = NA	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
Nitrogen, Ammonia (7664-41-7)	4/23/2018	mg/l	<0.0860	<0.0860	<0.0860	**0.963**	**6.25**	<0.0860	<0.0860	<0.0860	**0.472**	<0.0860	**0.776**	<0.0860	**1.93**	NR
SS = 30	9/10/2018	mg/l	<0.0860	<0.0860	<0.0860	**0.364**	**6.60**	**0.116**	**0.210**	<0.0860	**0.282**	<0.0860	**0.253**	<0.0860	**1.93**	NR
	4/9/2019	mg/l	<0.100	<0.100	<0.100	<0.100	**6.02**	<0.100	<0.100	<0.100	**0.401**	**0.102**	**0.813**	<0.100	**2.10**	NR
	9/11/2019	mg/l	<0.100	<0.100	<0.100	<0.100	**5.70**	<0.100	**0.212**	<0.100	**0.339**	**0.444**	**0.813**	<0.100	**2.13**	<0.100
	4/29/2020	mg/l	<0.0690	<0.0690	**0.0795**	**0.140**	**5.83**	<0.0690	<0.0690	<0.0690	**0.458**	<0.0690	**0.606**	<0.0690	**1.98**	NR
	9/15/2020	mg/l	<0.0690	<0.0690	<0.0690	**1.02**	**6.27**	**0.0789**	<0.0690	<0.0690	**0.496**	**0.145**	**0.517**	<0.0690	**2.17**	NR
	4/21/2021	mg/l	<0.0690	<0.0690	<0.0690	**1.08**	**5.57**	**0.0717**	<0.0690	<0.0690	**0.514**	**0.126**	**0.787**	<0.0690	**2.08**	NR
	9/14/2021	mg/l	<0.0690	<0.0690	<0.0690	<0.0690	**6.20**	<0.0690	<0.0690	<0.0690	**0.495**	**0.208**	**0.391**	<0.0690	**9.63**	NR
	4/18/2022	mg/l	<0.100	<0.100	<0.100	**1.16**	**5.89**	<0.100	<0.100	<0.100	**0.415**	**0.439**	**0.216**	<0.100	**2.14**	NR
	9/13/2022	mg/l	<0.100	<0.100	<0.100	**1.14**	**6.39**	<0.100	<0.100	<0.100	**0.531**	<0.100	**0.875**	<0.100	**2.01**	NR
	3/28/2023	mg/l	<0.100	<0.100	<0.100	**1.19**	**6.01**	<0.100	<0.100	<0.100	**0.487**	**0.201**	**0.626**	<0.100	**2.09**	NR
	9/12/2023	mg/l	<0.100	<0.100	<0.100	**1.06**	**6.81**	<0.100	<0.100	<0.100	**0.317**	<0.100	**0.434**	<0.100	**2.14**	NR
	3/28/2023	mg/l	<0.100	<0.100	<0.100	**1.19**	**6.01**	<0.100	<0.100	<0.100	**0.487**	**0.201**	**0.626**	<0.100	**2.09**	NR
	9/12/2023	mg/l	<0.100	<0.100	<0.100	**1.06**	**6.81**	<0.100	<0.100	<0.100	**0.317**	<0.100	**0.434**	<0.100	**2.14**	NR
	4/1/2024	mg/l	<0.100	<0.100	<0.100	**1.13**	**5.43**	<0.100	<0.100	<0.100	**0.491**	**0.238**	**0.562**	<0.100	**2.20**	NR
	8/28/2024	mg/l	<0.100	<0.100	<0.100	**1.23**	**6.72**	<0.100	<0.100	<0.100	**0.527**	**0.830**	**0.671**	<0.100	**2.19**	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
COD, Block Digestor	4/23/2018	mg/l	**5.05**	<4.70	**7.95**	**6.65**	**25.8**	**16.7**	**12.8**	<4.70	**6.00**	**6.33**	**7.30**	**4.70**	**8.60**	NR
MCL // SS = NA	9/10/2018	mg/l	<4.70	<4.70	<4.70	<4.70	**22.8**	**14.2**	**12.4**	<4.70	<4.70	<4.70	<4.70	<4.70	**5.09**	NR
	4/9/2019	mg/l	<4.80	<4.80	**23.4**	**5.57**	**36.3**	<9.60	**16.4**	<4.80	**9.53**	**12.8**	**8.45**	**9.53**	**11.7**	NR
	9/11/2019	mg/l	<4.80	<4.80	**20.8**	<9.60	**48.1**	**28.6**	**26.2**	<4.80	**5.41**	**11.4**	**7.73**	**35.7**	**10.1**	**17**
	4/29/2020	mg/l	<4.80	**5.10**	**45.7**	**10.2**	**33.1**	**11.2**	**12.8**	<4.80	**5.52**	**8.63**	**5.87**	**5.52**	**7.59**	NR
	9/15/2020	mg/l	<4.80	<4.80	**38.0**	**9.98**	**43.1**	**20.6**	<9.60	<4.80	**10.3**	**7.93**	<4.80	**10.4**	**12.4**	NR
	4/21/2021	mg/l	<4.80	<4.80	**112**	**11.6**	**69.9**	**21.1**	**26.6**	<4.80	**9.18**	**12.9**	**6.10**	**8.83**	**17.1**	NR
	9/14/2021	mg/l	**5.04**	**5.72**	**31.4**	**13.0**	**43.2**	**24.8**	**26.1**	**6.39**	**7.43**	**24.1**	**5.45**	**14.1**	**10.1**	NR
	4/18/2022	mg/l	<4.80	<4.80	<24.0	**7.44**	**63.5**	<24.0	**22.6**	**9.19**	**8.49**	**14.4**	**15.8**	**12.0**	**10.6**	NR
	9/13/2022	mg/l	**5.42**	<4.80	**22.0**	**6.35**	**33.9**	**20.2**	**12.6**	<4.80	<4.80	**11.3**	<4.80	**10.1**	**7.91**	NR
	3/28/2023	mg/l	<4.80	<4.80	**5.35**	**10.7**	**20.0**	**10.4**	**12.9**	<4.80	<4.80	**7.85**	<4.80	**5.70**	<4.80	NR
	9/12/2023	mg/l	**5.14**	<4.80	**12.8**	**8.60**	<24.0	<4.80	**8.79**	<4.80	<4.80	**16.6**	<4.80	**5.84**	**9.30**	NR
	3/28/2023	mg/l	<4.80	<4.80	**5.35**	**10.7**	**20.0**	**10.4**	**12.9**	<4.80	<4.80	**7.85**	<4.80	**5.70**	<4.80	NR
	9/12/2023	mg/l	**5.14**	<4.80	**12.8**	**8.60**	<24.0	<4.80	**8.79**	<4.80	<4.80	**16.6**	<4.80	**5.84**	**9.30**	NR
	4/1/2024	mg/l	**9.68**	**6.49**	**17.0**	**14.1**	**34.2**	**19.2**	**19.2**	**6.17**	**12.2**	**59.4**	**14.1**	**12.9**	**17.7**	**19.2**
	8/28/2024	mg/l	<4.80	<4.80	**13.1**	**8.77**	**33.9**	**25.6**	**11.8**	**5.12**	**6.23**	**17.4**	**11.8**	**9.1**	**12.7**	NR
Phenols (108-95-2)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
SS = 2	9/10/2018	mg/l	<0.0143	<0.0134	<0.0137	<0.0134	<0.0137	<0.0140	<0.0134	<0.0140	<0.0137	**0.0**	<0.0137	<0.0143	<0.0274	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	<0.0138	<0.0150	<0.0150	<0.0141	<0.0141	<0.0138	<0.0147	<0.0150	<0.0141	<0.0141	<0.0150	<0.0147	<0.0150	<0.0153
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	<0.0138	<0.0141	<0.0144	<0.0144	<0.0147	<0.0150	<0.0144	<0.0150	<0.0159	<0.0156	**0.0**	<0.0147	<0.0150	NR
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	<0.0127	<0.0127	<0.0117	<0.0122	<0.0122	<0.0120	<0.0125	<0.0125	<0.0135	<0.0125	<0.0127	<0.0127	<0.0125	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	<0.0151	<0.0152	<0.0148	<0.0140	<0.0140	<0.0146	<0.0140	<0.0140	<0.0143	<0.0140	<0.0140	j	<0.0140	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	<0.0102	<0.0100	<0.0100	<0.0100	<0.0102	<0.0100	<0.0100	<0.0106	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	<0.0102	<0.0100	<0.0100	<0.0100	<0.0102	<0.0100	<0.0100	<0.0106	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	<0.0100	<0.0100	<0.0100	<0.0106	<0.0100	<0.0106	<0.0100	<0.0100	<0.0108	<0.0104	<0.0108	<0.0100	<0.0100	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Total Organic Halogens (59473-04-0)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // SS = NA	9/10/2018	mg/l	<0.0100	<0.0100	**0.145**	**0.0567**	**0.143**	**0.239**	**0.0573**	**0.0155**	<0.0100	**0.0110**	**0.0103**	**0.0235**	<0.0100	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	<0.0385	<0.0385	**0.166**	**0.0529**	**0.0552**	**0.0666**	**0.124**	**0.229**	**0.0500**	**0.115**	**0.0154**	**0.18**	**0.0435**	120
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	**0.0386**	**0.0437**	**0.400**	**0.127**	**0.720**	**0.421**	**0.287**	**0.0606**	**0.0693**	**0.139**	**0.110**	**0.155**	**0.0865**	NR
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	**0.0142**	<0.0140	**0.415**	**0.0705**	**0.217**	**0.400**	**0.233**	<0.0140	**0.0156**	**0.122**	**0.0517**	**0.0901**	**0.0332**	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	**0.0988**	**0.114**	**0.589**	**0.292**	**0.178**	NA	**0.0281**	**0.236**	**0.0152**	**0.151**	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	<0.014	<0.014	**0.146**	**0.030**	**0.090**	**0.278**	**0.280**	<0.014	<0.014	**0.0395**	**0.0445**	**0.146**	**0.0469**	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	<0.014	<0.014	**0.146**	**0.030**	**0.090**	**0.278**	**0.280**	<0.014	<0.014	**0.0395**	**0.0445**	**0.146**	**0.0469**	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	**0.0765**	**0.0606**	**0.2050**	**0.0953**	**0.2590**	**0.3430**	**0.3090**	**0.0635**	**0.1260**	**0.4110**	**0.3550**	**0.1220**	**0.1050**	NR
Chloride (16887-00-6)	4/23/2018	mg/l	**9.64**	**7.23**	**693**	**228**	**1270**	**900**	**482**	**40.1**	**10.5**	**80.4**	**25.5**	**356**	**51.2**	NR
SMCL = 250	9/10/2018	mg/l	**10.4**	**6.50**	**359**	**239**	**1250**	**1040**	**352**	**37.4**	**9.10**	**77.1**	**29.4**	**232**	**49.2**	NR
	4/9/2019	mg/l	**10.1**	**7.64**	**907**	**239**	**1100**	**1070**	**463**	**43.0**	**9.12**	**80.0**	**15.2**	**268**	**29.8**	NR
	9/11/2019	mg/l	**10**	**6.34**	**356**	**226**	**1120**	**1020**	**360**	**38.6**	**9.17**	**81.5**	**14.9**	**266**	**34.3**	**112**
	4/29/2020	mg/l	**12.2**	**7.45**	**2050**	**205**	**1060**	**974**	**471**	**41.2**	**11.9**	**80.4**	**20.7**	**277**	**27.2**	NR
	9/15/2020	mg/l	**11.9**	**7.07**	**974**	**205**	**1160**	**953**	**561**	**34.0**	**9.26**	**78.1**	**31.6**	**301**	**20.2**	NR
	4/21/2021	mg/l	**10.7**	**6.58**	**4270**	**193**	**1520**	**1320**	**519**	**42.6**	**9.14**	**82.0**	**14.4**	**334**	**18.6**	NR
	9/14/2021	mg/l	**10.3**	**6.99**	**858**	**210**	**1040**	**935**	**384**	**35.0**	**9.30**	**79.2**	**60.3**	**274**	**20.6**	NR
	4/18/2022	mg/l	**9.42**	**6.71**	**1270**	**164**	**1120**	**1180**	**491**	**43.6**	**8.87**	**71.5**	**23.6**	**277**	**16.7**	NR
	9/13/2022	mg/l	**9.55**	**6.38**	**723**	**162**	**1200**	**831**	**526**	**30.0**	**8.31**	**71.8**	**12.8**	**289**	**15.4**	NR
	3/28/2023	mg/l	<2.25	**7.00**	**485**	**167**	**1210**	**955**	**470**	**43.8**	**9.82**	**80.6**	**23.2**	**282**	**16.5**	NR
	9/12/2023	mg/l	**9.45**	**5.21**	**185**	**166**	**1200**	**880**	**567**	**33.3**	**9.49**	**74.7**	**29.1**	**287**	**18.2**	NR
	3/28/2023	mg/l	<2.25	**7.00**	**485**	**167**	**1210**	**955**	**470**	**43.8**	**9.82**	**80.6**	**23.2**	**282**	**16.5**	NR
	9/12/2023	mg/l	**9.45**	**5.21**	**185**	**166**	**1200**	**880**	**567**	**33.3**	**9.49**	**74.7**	**29.1**	**287**	**18.2**	NR
	4/1/2024	mg/l	**11.00**	**6.50**	**1020**	**162**	**1170**	**951**	**431**	**45.3**	**9.77**	**61.7**	**14.7**	**190**	**18.7**	**162**
	8/28/2024	mg/l	**9.87**	**6.61**	**240**	**147**	**1260**	**844**	**427**	**16.7**	**9.06**	**72.4**	**21.1**	**269**	**15.7**	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Sulfide (18496-25-8)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // SS = NA	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
Fluoride - Dissolved (16984-48-8)	4/23/2018	mg/l	**1.17**	**0.936**	**10.8**	**1.76**	**62.9**	**1.69**	**14.7**	<0.462	**0.856**	**0.743**	**0.669**	<0.462	**0.570**	NR
SMCL = 2	9/10/2018	mg/l	<0.462	<0.462	**9.81**	<0.462	**57.7**	**1.39**	**14.7**	<0.462	<0.462	<0.462	<0.462	<0.462	<0.462	NR
	4/9/2019	mg/l	**0.482**	**0.337**	**6.90**	<0.250	**54.7**	**1.15**	**12.4**	**0.798**	<0.250	<0.250	<0.250	**0.826**	<0.250	NR
	9/11/2019	mg/l	**0.825**	**0.558**	**9.23**	<0.250	**65.9**	**1.36**	**25.9**	<0.250	<0.250	**0.426**	**0.505**	**0.569**	**0.463**	**2.30**
	4/29/2020	mg/l	**0.820**	**0.781**	**6.16**	<0.230	**60.6**	**1.54**	**19.8**	**0.291**	**0.269**	<0.230	**0.544**	**0.244**	**0.351**	NR
	9/15/2020	mg/l	**0.586**	**0.567**	**10.2**	**0.811**	**55.7**	**1.68**	**28.6**	**0.244**	<0.230	<0.230	**2.52**	<0.230	<0.230	NR
	4/21/2021	mg/l	**0.726**	**0.766**	**6.35**	<0.275	**43.1**	**1.06**	**16.0**	**0.522**	**0.425**	**0.396**	<0.275	**0.379**	<0.275	NR
	9/14/2021	mg/l	**0.546**	**0.666**	**13.0**	<0.275	**52.8**	**1.27**	**30.8**	<0.275	<0.275	<0.275	**4.13**	<0.275	<0.275	NR
	4/18/2022	mg/l	**0.455**	**0.511**	**10.4**	**0.483**	**48.0**	**1.63**	**17.7**	**0.310**	**0.454**	<0.220	**4.07**	<0.220	<0.220	NR
	9/13/2022	mg/l	**0.373**	**0.317**	**12.0**	<0.220	**54.8**	**2.33**	**16.6**	**0.986**	**0.560**	**0.486**	**0.396**	**0.487**	**0.612**	NR
	3/28/2023	mg/l	**0.880**	**0.777**	**15.7**	**0.464**	**51.3**	**2.33**	**18.1**	**0.596**	**0.652**	**0.283**	**1.34**	**0.452**	**0.833**	NR
	9/12/2023	mg/l	**0.633**	**0.610**	**20.0**	<0.375	**49.4**	**1.40**	**17.3**	**0.459**	**0.963**	<0.375	**4.82**	<0.375	<0.375	NR
	3/28/2023	mg/l	**0.880**	**0.777**	**15.7**	**0.464**	**51.3**	**2.33**	**18.1**	**0.596**	**0.652**	**0.283**	**1.34**	**0.452**	**0.833**	NR
	9/12/2023	mg/l	**0.633**	**0.610**	**20.0**	<0.375	**49.4**	**1.40**	**17.3**	**0.459**	**0.963**	<0.375	**4.82**	<0.375	<0.375	NR
	4/1/2024	mg/l	**0.619**	**0.598**	**11.6**	<0.375	**47.0**	**2.03**	**18.1**	**0.420**	**0.415**	**0.589**	**1.26**	<0.375	<0.375	**5.41**
	8/28/2024	mg/l	**0.527**	**0.591**	**18.9**	<0.375	**51.1**	**1.68**	**21.2**	**0.414**	**0.517**	<0.375	**0.92**	**0.555**	<0.375	NR

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2024 Annual Water Quality Report
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Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Fluoride - Total (16984-48-8)	4/23/2018	mg/l	<0.967	**1.33**	**37.5**	<1.00	**257**	**5.89**	**15.9**	**1.02**	**1.4**	<0.967	**1.02**	**1.72**	<1.00	NR
SMCL = 2	9/10/2018	mg/l	**1.38**	<1.00	**9.16**	<0.967	**83.7**	**19.3**	**15.3**	<1.00	<1.00	<0.983	<0.0983	<0.100	<1.00	NR
	4/9/2019	mg/l	**1.37**	**1.29**	**11.5**	**1.72**	**93.1**	**9.25**	**18.8**	**2.53**	**2.41**	**1.50**	**1.24**	**1.25**	**1.47**	NR
	9/11/2019	mg/l	**1.68**	**1.37**	**9.64**	**0.747**	**77.7**	**1.79**	**101**	**1.04**	**0.961**	**7.71**	**0.901**	**1.84**	**1.14**	**18.6**
	4/29/2020	mg/l	**1.66**	**1.07**	**24.8**	**1.93**	**84.2**	**9.39**	**137**	**3.78**	**6.89**	<0.910	**2.07**	**1.03**	**1.66**	NR
	9/15/2020	mg/l	**0.441**	**0.580**	**10.4**	**0.909**	**56.0**	**1.59**	**14.9**	**0.257**	**0.288**	<0.230	<0.230	<0.230	<0.230	NR
	4/21/2021	mg/l	**0.560**	**0.619**	**16.6**	**0.391**	**48.5**	**1.04**	**17.2**	<0.275	<0.275	<0.275	<0.275	<0.275	<0.275	NR
	9/14/2021	mg/l	**0.482**	<0.275	**12.0**	<0.275	**47.0**	**1.14**	**29.0**	**0.554**	<0.275	<0.275	**4.51**	**0.426**	<0.275	NR
	4/18/2022	mg/l	<0.220	<0.220	**10.8**	<0.220	**48.1**	<0.220	**15.8**	<0.220	<0.220	<0.220	**1.03**	<0.220	<0.220	NR
	9/13/2022	mg/l	**0.570**	**0.660**	**13.1**	**2.29**	**48.1**	**5.46**	**16.5**	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	**0.709**	**0.679**	**16.1**	**0.518**	<0.220	**2.25**	**17.8**	**0.478**	**0.644**	<0.220	**0.566**	**0.337**	**0.419**	NR
	9/12/2023	mg/l	**0.485**	**0.455**	**18.1**	<0.375	**46.3**	**1.41**	**13.2**	<0.375	<0.375	<0.375	**2.27**	<0.375	<0.375	NR
	3/28/2023	mg/l	**0.709**	**0.679**	**16.1**	**0.518**	<0.220	**2.25**	**17.8**	**0.478**	**0.644**	<0.220	**0.566**	**0.337**	**0.419**	NR
	9/12/2023	mg/l	**0.485**	**0.455**	**18.1**	<0.375	**46.3**	**1.41**	**13.2**	<0.375	<0.375	<0.375	**2.27**	<0.375	<0.375	NR
	4/1/2024	mg/l	**0.590**	**0.629**	**11.5**	<0.375	**46.9**	**2.04**	**17.03**	**0.426**	<0.375	**0.709**	<0.375	<0.375	<0.375	**5.62**
	8/28/2024	mg/l	**0.657**	**0.599**	**18.2**	<0.375	**50.3**	**1.72**	**20.2**	**0.494**	<0.375	<0.375	**0.715**	<0.375	<0.375	NR
Nitrate - N (14797-55-8)	4/23/2018	mg/l	NA	**6.90**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // SS = 10	9/10/2018	mg/l	NA	**6.95**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.542**	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.542**	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	<0.0780	NA	NA	NA	NA	NA	NA	<0.780	NA	NR

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Nitrite - N (14797-65-0)	4/23/2018	mg/l	**0.147**	<0.0365	<0.0365	<0.0365	NA	NA	NA	<0.0365	**0.0658**	<0.0365	<0.0365	<0.0365	<0.0365	NR
MCL // SS = 1	9/10/2018	mg/l	<0.0365	<0.0365	<0.0365	**0.415**	NA	NA	NA	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	<0.0365	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	<0.0430	NA	NA	NA	NA	NA	NA	<0.0430	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	<0.0430	NA	NA	NA	NA	NA	NA	<0.0430	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	**0.367**	NA	NA	NA	NA	NA	NA	<0.0430	NA	NR
Sulfate (14808-79-8)	4/23/2018	mg/l	**703**	**46.8**	**89.9**	**1870**	**768**	**595**	**518**	**81.5**	**2100**	**15.4**	**1750**	**37.5**	**1860**	NR
SMCL = 250	9/10/2018	mg/l	**569**	**41.5**	**68.8**	**1770**	**685**	**420**	**471**	**56.5**	**1950**	**11.0**	**1280**	**31.7**	**1820**	NR
	4/9/2019	mg/l	**690**	**42.5**	**86.0**	**2070**	**722**	**378**	**515**	**54.1**	**2060**	**12.7**	**1980**	**35.1**	**2200**	NR
	9/11/2019	mg/l	**516**	**38.9**	**85.4**	**1850**	**659**	**439**	**513**	**75.5**	**1960**	**11.9**	**1760**	**29.4**	**1170**	**55.4**
	4/29/2020	mg/l	**613**	**40.4**	**65.8**	**1820**	**640**	**264**	**530**	**53.3**	**1930**	**13.6**	**1720**	**30.5**	**1830**	NR
	9/15/2020	mg/l	**565**	**37.7**	**74.1**	**1790**	**788**	**411**	**456**	**84.8**	**1810**	**12.0**	**990**	**26.3**	**1770**	NR
	4/21/2021	mg/l	**778**	**41.1**	**77.9**	**2310**	**757**	**434**	**416**	**54.2**	**2220**	**13.3**	**1970**	**29.0**	**1910**	NR
	9/14/2021	mg/l	**634**	**40.2**	**48.4**	**1850**	**736**	**398**	**452**	**92.5**	**1870**	**11.2**	**324**	**29.3**	**1830**	NR
	4/18/2022	mg/l	**872**	**39.5**	**39.8**	**1550**	**867**	**451**	**454**	**54.6**	**1480**	**9.63**	**973**	**27.2**	**1610**	NR
	9/13/2022	mg/l	**628**	**37.9**	**43.4**	**1880**	**1040**	**447**	**457**	**113**	**1790**	**8.24**	**1480**	**27.3**	**1580**	NR
	3/28/2023	mg/l	**967**	**41.9**	**33.4**	**1900**	**1430**	**489**	**427**	**69.0**	**1960**	**9.99**	**1380**	**29.6**	**1890**	NR
	9/12/2023	mg/l	**915**	**38.3**	**39.2**	**1830**	**1440**	**395**	**426**	**120**	**1820**	**7.72**	**717**	**28.4**	**1870**	NR
	3/28/2023	mg/l	**967**	**41.9**	**33.4**	**1900**	**1430**	**489**	**427**	**69.0**	**1960**	**9.99**	**1380**	**29.6**	**1890**	NR
	9/12/2023	mg/l	**915**	**38.3**	**39.2**	**1830**	**1440**	**395**	**426**	**120**	**1820**	**7.72**	**717**	**28.4**	**1870**	NR
	4/1/2024	mg/l	**1090**	**42.3**	**29.0**	**1950**	**1260**	**500**	**411**	**80.5**	**1980**	**16.3**	**1830**	**26.6**	**1990**	**102**
	8/28/2024	mg/l	**922**	**39.8**	**35.7**	**1840**	**1480**	**383**	**406**	**220.0**	**2100**	**11.1**	**1050**	**27.3**	**1880**	NR

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Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Bromate (15541-45-4)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // SS = 0.01	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
Total Phosphorous (7723-14-0)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
SS = 24	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Boron (Total) (7440-42-8)	4/23/2018	mg/l	**1.18**	**0.0375**	**5.15**	**23.8**	**135**	**71.6**	**46.5**	**0.0643**	**0.326**	<0.0320	**0.282**	**0.332**	**0.367**	NR
SS = 6	9/10/2018	mg/l	**1.17**	**0.0418**	**4.03**	**20.3**	**142**	**69.7**	**54.2**	**0.0895**	**0.314**	<0.0320	**0.176**	**0.403**	**0.402**	NR
	4/9/2019	mg/l	**1.22**	<0.110	**4.37**	**28.4**	**106**	**41.0**	**50.2**	**0.129**	**0.415**	<0.110	**0.358**	**0.285**	**0.464**	NR
	9/11/2019	mg/l	**1.22**	**0.0785**	**4.15**	**25.5**	**111**	**63.1**	**84.0**	**0.0763**	**0.390**	**0.0706**	**0.336**	**0.369**	**0.413**	**5.44**
	4/29/2020	mg/l	**1.14**	<0.0730	**3.73**	**22.9**	**125**	**26.5**	**71.6**	**0.807**	**0.530**	**0.139**	**0.400**	**0.314**	**0.485**	NR
	9/15/2020	mg/l	**1.18**	**0.0452**	**3.70**	**22.3**	**160**	**61.1**	**52.7**	**0.104**	**0.408**	<0.0420	**0.346**	**0.391**	**0.479**	NA
	4/21/2021	mg/l	**1.18**	<0.0560	**2.63**	**20.4**	**140**	**56.5**	**58.4**	**0.190**	**0.454**	**0.0632**	**0.367**	**0.359**	**0.505**	NR
	9/14/2021	mg/l	**1.20**	<0.0560	**3.32**	**22.4**	**161**	**45.3**	**55.3**	**0.0638**	**0.413**	<0.0560	**0.333**	**0.379**	**0.493**	NR
	4/18/2022	mg/l	**1.34**	<0.0560	**3.04**	**20.7**	**145**	**67.2**	**68.6**	**0.0804**	**0.412**	<0.0560	**0.870**	**0.364**	**0.573**	NR
	9/13/2022	mg/l	**1.20**	NA	**3.01**	**19.60**	**144**	**78.0**	**52.3**	**0.0605**	**0.395**	NA	**0.358**	**0.382**	**0.492**	NR
	3/28/2023	mg/l	**1.13**	<0.0610	**1.94**	**16.8**	**139**	**70.3**	**52.0**	**0.0720**	**0.385**	<0.0610	**0.339**	**0.280**	**0.506**	NR
	9/12/2023	mg/l	**1.33**	<0.0610	**2.69**	**18.7**	**157**	**60.4**	**58.3**	**0.102**	**0.423**	<0.0610	**0.402**	**0.444**	**0.581**	NR
	3/28/2023	mg/l	**1.13**	<0.0610	**1.94**	**16.8**	**139**	**70.3**	**52.0**	**0.0720**	**0.385**	<0.0610	**0.339**	**0.280**	**0.506**	NR
	9/12/2023	mg/l	**1.33**	<0.0610	**2.69**	**18.7**	**157**	**60.4**	**58.3**	**0.102**	**0.423**	<0.0610	**0.402**	**0.444**	**0.581**	NR
	4/1/2024	mg/l	**1.13**	<0.0610	**2.05**	**16.8**	**125**	**68.3**	**54.6**	**0.139**	**0.424**	**0.591**	**0.350**	**0.278**	**0.497**	**5.68**
	8/28/2024	mg/l	**1.18**	<0.0760	**2.24**	**16.3**	**19.2**	**57.3**	**55.7**	**0.127**	**0.482**	<0.0760	**0.460**	**0.405**	**0.568**	NR
Lithium (Total) (7439-93-2)	4/23/2018	mg/l	**0.0688**	**0.0132**	**0.00890**	**0.113**	**0.0137**	**0.0168**	**0.0123**	**0.0364**	**0.166**	**0.00713**	**0.0765**	**0.0159**	**0.0704**	NR
SS = 0.014	9/10/2018	mg/l	**0.0708**	**0.0159**	**0.00443**	**0.0918**	**0.0127**	**0.0259**	**0.0140**	**0.0400**	**0.155**	**0.00902**	**0.0610**	**0.0180**	**0.0764**	NR
	4/9/2019	mg/l	**0.0742**	**0.0135**	**0.0113**	**0.121**	**0.0335**	**0.0241**	**0.0185**	**0.0374**	**0.160**	**0.00870**	**0.0844**	**0.0157**	**0.0770**	NR
	9/11/2019	mg/l	**0.0631**	<0.00930	<0.00930	**0.109**	<0.0372	**0.0239**	<0.0279	**0.0388**	**0.142**	<0.00930	**0.0727**	**0.0157**	**0.0668**	<0.00930
	4/29/2020	mg/l	**0.0701**	**0.0125**	**0.00977**	**0.103**	**0.0218**	**0.0199**	**0.0159**	**0.0359**	**0.143**	**0.00740**	**0.0728**	**0.0158**	**0.0792**	NR
	9/15/2020	mg/l	**0.0673**	**0.0149**	<0.0120	**0.112**	<0.0600	<0.0240	<0.0240	**0.0419**	**0.151**	<0.0120	**0.0563**	**0.0166**	**0.0769**	NA
	4/21/2021	mg/l	**0.0796**	**0.0159**	<0.0420	**0.112**	<0.0560	<0.0280	<0.0280	**0.0380**	**0.147**	<0.0140	**0.0788**	**0.0772**	**0.0812**	NR
	9/14/2021	mg/l	**0.0847**	<0.0140	<0.0140	**0.117**	<0.0560	<0.0280	<0.0280	**0.0461**	**0.167**	<0.0140	**0.0671**	**0.0183**	**0.0873**	NR
	4/18/2022	mg/l	**0.0561**	<0.0150	<0.0150	**0.0819**	<0.0600	<0.0300	<0.0300	<0.0150	**0.113**	<0.0150	<0.0150	<0.0150	**0.0517**	NR
	9/13/2022	mg/l	**0.0764**	NA	NA	**0.111**	NA	NA	NA	**0.0489**	**0.155**	NA	**0.0820**	**0.0194**	**0.0874**	NR
	3/28/2023	mg/l	**0.0745**	<0.0240	<0.0240	**0.0923**	<0.0960	<0.0480	<0.0480	**0.0243**	**0.122**	<0.0240	**0.0565**	<0.0240	**0.0714**	NR
	9/12/2023	mg/l	**0.112**	**0.0299**	<0.0240	**0.138**	<0.120	<0.0720	**0.0560**	**0.0677**	**0.175**	**0.0408**	**0.0971**	**0.0342**	**0.114**	NR
	3/28/2023	mg/l	**0.0745**	<0.0240	<0.0240	**0.0923**	<0.0960	<0.0480	<0.0480	**0.0243**	**0.122**	<0.0240	**0.0565**	<0.0240	**0.0714**	NR
	9/12/2023	mg/l	**0.112**	**0.0299**	<0.0240	**0.138**	<0.120	<0.0720	**0.0560**	**0.0677**	**0.175**	**0.0408**	**0.0971**	**0.0342**	**0.114**	NR
	4/1/2024	mg/l	**0.0910**	<0.0240	<0.0240	**0.115**	<0.0960	<0.0480	<0.0480	**0.0378**	**0.153**	<0.0240	**0.0733**	<0.0240	**0.0912**	<0.0240
	8/28/2024	mg/l	**0.0983**	**0.014**	**0.005**	**0.118**	**0.04**	**0.0236**	**0.0214**	**0.0485**	**0.148**	**0.0067**	**0.0826**	**0.018**	**0.0956**	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Iron Dissolved (7439-89-6)	4/23/2018	mg/l	<0.0660	**0.0664**	<0.0660	<0.0660	**10.5**	<0.0660	<0.0660	<0.0660	<0.0660	**0.0684**	<0.0660	**0.174**	**18.6**	NR
SMCL = 0.3	9/10/2018	mg/l	<0.0660	<0.0660	<0.0660	<0.0660	**2.88**	**0.628**	<0.0660	**0.710**	<0.0660	**0.369**	<0.0660	**0.192**	**10.4**	NR
	4/9/2019	mg/l	<0.0660	<0.0660	<0.0660	<0.0660	**4.81**	<0.0660	<0.0660	<0.0660	**0.0850**	**0.676**	**0.368**	<0.0660	**11.8**	NR
	9/11/2019	mg/l	<0.0660	<0.0660	**0.581**	<0.0660	**4.82**	**0.172**	<0.0660	<0.0660	**0.336**	**0.768**	**0.497**	**0.130**	**6.67**	<0.0660
	4/29/2020	mg/l	<0.0500	<0.0500	**0.259**	<0.0500	**11.8**	**0.158**	<0.0500	<0.0500	**0.450**	**2.01**	**0.631**	**0.0952**	**10.9**	NR
	9/15/2020	mg/l	<0.0500	**0.0537**	**0.0503**	<0.0500	**3.87**	**0.817**	<0.0500	<0.0500	**0.287**	**2.40**	**0.0577**	**0.145**	**9.29**	NA
	4/21/2021	mg/l	<0.0360	<0.0360	<0.0360	<0.0360	**8.42**	**0.433**	<0.0360	<0.0360	**0.284**	**2.71**	**1.55**	**0.0834**	**11.1**	NR
	9/14/2021	mg/l	<0.0360	<0.0360	**0.0668**	<0.0360	**2.92**	**0.550**	**0.149**	<0.0360	**0.218**	**1.88**	**0.0961**	**0.0959**	**8.96**	NR
	4/18/2022	mg/l	<0.0360	<0.0360	<0.0360	<0.0360	**9.06**	<0.0360	<0.0360	<0.0360	**0.276**	**6.04**	**0.173**	**0.0816**	**9.54**	NR
	9/13/2022	mg/l	NA	NA	**0.0903**	NA	**3.69**	**0.224**	NA	NA	**0.191**	**1.68**	**2.38**	**0.113**	**8.32**	NR
	3/28/2023	mg/l	<0.0360	<0.0360	<0.0360	<0.0360	**6.88**	<0.0360	<0.0360	<0.0360	**0.240**	**3.20**	**1.14**	**0.0510**	**9.52**	NR
	9/12/2023	mg/l	<0.0360	<0.0360	<0.0360	<0.0360	**3.14**	**0.284**	<0.0360	<0.0360	**0.211**	**2.13**	**1.74**	**0.125**	**7.34**	NR
	3/28/2023	mg/l	<0.0360	<0.0360	<0.0360	<0.0360	**6.88**	<0.0360	<0.0360	<0.0360	**0.240**	**3.20**	**1.14**	**0.0510**	**9.52**	NR
	9/12/2023	mg/l	<0.0360	<0.0360	<0.0360	<0.0360	**3.14**	**0.284**	<0.0360	<0.0360	**0.211**	**2.13**	**1.74**	**0.125**	**7.34**	NR
	4/1/2024	mg/l	<0.0360	<0.0360	<0.0360	<0.0360	**8.13**	<0.0360	<0.0360	<0.0360	**0.227**	**0.0429**	**2.29**	<0.0360	**8.06**	<0.0360
	8/28/2024	mg/l	<0.0360	<0.0360	**0.039**	<0.0360	**6.76**	**0.381**	<0.0360	<0.0360	**0.318**	**3.33**	**1.48**	**0.106**	**8.27**	NR
Iron (Total) (7439-89-6)	4/23/2018	mg/l	<0.0660	NA	**0.157**	<0.0660	**9.24**	**0.172**	<0.0660	**1.25**	**0.0913**	<0.0660	**0.247**	**0.572**	**18.0**	NR
SMCL = 0.3	9/10/2018	mg/l	<0.0660	<0.0660	<0.0660	<0.198	**3.06**	**0.588**	<0.0660	**0.0911**	<0.198	**0.418**	**0.129**	**0.244**	**11.1**	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	**0.555**	NA	NA	NA	NA	<0.0660	**0.556**	**0.857**	**0.913**	**0.318**	**10.9**	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	**0.0502**	NA	NA	NA	NA	**0.0931**	**0.381**	**2.73**	**0.440**	**0.360**	**9.64**	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	**0.0702**	NA	NA	NA	NA	**0.0611**	**0.386**	**2.63**	**0.439**	**0.191**	**13.20**	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	**0.114**	NA	NA	NA	NA	**0.0596**	**0.479**	**2.25**	**4.06**	**0.183**	**9.94**	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	**0.192**	NA	NA	NA	NA	**0.0482**	**0.294**	**2.07**	**2.95**	**0.395**	**11.1**	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	**0.192**	NA	NA	NA	NA	**0.0482**	**0.294**	**2.07**	**2.95**	**0.395**	**11.1**	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	**0.0525**	NA	NA	NA	NA	**0.0539**	**0.319**	**7.92**	**3.54**	**0.225**	**10.4**	NR

Table 8A
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2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Aluminum (Total) (7429-90-5)	4/23/2018	mg/l	<0.0270	**0.0615**	**0.214**	<0.0270	**2.10**	**0.0925**	**0.363**	**0.638**	**0.0904**	<0.0270	**0.0747**	<0.0270	**0.121**	NR
MCL = 0.05 - 0.2	9/10/2018	mg/l	<0.0270	<0.0270	**0.150**	<0.0270	**1.89**	**0.0373**	**0.510**	**0.0664**	<0.0810	<0.0270	**0.0589**	<0.0270	<0.0270	NR
	4/9/2019	mg/l	<0.0270	<0.0270	**0.185**	<0.0270	**1.45**	**0.0364**	**0.331**	<0.0270	**0.0472**	**0.0567**	**0.0315**	<0.0270	**0.105**	NR
	9/11/2019	mg/l	<0.0270	<0.0270	**0.184**	<0.0270	**1.69**	**0.0364**	**1.34**	**0.0590**	<0.0270	**0.0316**	**0.0776**	<0.0270	**0.0569**	**0.890**
	4/29/2020	mg/l	<0.0300	<0.0300	**0.221**	<0.0300	**2.46**	<0.0300	**0.923**	**0.106**	<0.0300	**0.0363**	<0.0300	<0.0300	**0.0987**	NR
	9/15/2020	mg/l	<0.0120	<0.0120	**0.158**	<0.0270	**1.26**	**0.0297**	**0.432**	**0.0899**	**0.0195**	**0.0241**	**0.0294**	<0.0120	**0.0141**	NA
	4/21/2021	mg/l	<0.0150	**0.0693**	**0.189**	<0.0150	**1.97**	**0.0521**	**0.822**	**0.0712**	**0.0165**	**0.0430**	**0.0539**	<0.0150	**0.386**	NR
	9/14/2021	mg/l	<0.0170	<0.0170	**0.187**	<0.0170	**1.33**	<0.119	**0.607**	**0.0463**	**0.0202**	**0.0357**	**0.0315**	<0.0170	**0.683**	NR
	4/18/2022	mg/l	<0.0170	**0.0209**	**0.207**	<0.0680	**2.35**	**0.0545**	**0.529**	**0.0245**	<0.0680	**0.143**	**0.0796**	<0.0170	**0.253**	NR
	9/13/2022	mg/l	NA	NA	**0.257**	NA	**2.97**	**0.0683**	**0.356**	**0.0528**	**0.0557**	**0.0417**	**0.189**	NA	**0.107**	NR
	3/28/2023	mg/l	<0.0170	**0.0213**	**0.250**	<0.0170	**2.41**	**0.0791**	**0.568**	**0.101**	<0.0170	**0.0638**	**0.0310**	<0.0170	**0.881**	NR
	9/12/2023	mg/l	<0.0170	<0.0170	**0.344**	<0.0170	**2.23**	**0.0402**	**0.307**	**0.0462**	**0.0188**	**0.0177**	**0.0537**	<0.0170	**0.305**	NR
	3/28/2023	mg/l	<0.0170	**0.0213**	**0.250**	<0.0170	**2.41**	**0.0791**	**0.568**	**0.101**	<0.0170	**0.0638**	**0.0310**	<0.0170	**0.881**	NR
	9/12/2023	mg/l	<0.0170	<0.0170	**0.344**	<0.0170	**2.23**	**0.0402**	**0.307**	**0.0462**	**0.0188**	**0.0177**	**0.0537**	<0.0170	**0.305**	NR
	4/1/2024	mg/l	<0.0170	**0.0172**	**0.285**	<0.0680	**3.63**	**0.0797**	**0.750**	**0.187**	<0.0680	**0.182**	<0.0680	<0.0170	**0.266**	**0.241**
	8/28/2024	mg/l	<0.0210	<0.0210	**0.329**	<0.0840	**2.27**	<0.0840	**0.602**	**0.051**	<0.0840	<0.0210	<0.0840	<0.0210	**0.367**	NR
Antimony (Total) (7440-36-0)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // SS = 0.006	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

Table 8A
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Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Arsenic (Total) (7440-38-2)	4/23/2018	mg/l	<0.000570	**0.000658**	<0.000570	<0.000570	**0.00896**	<0.00570	**0.000898**	**0.00104**	**0.00154**	**0.00112**	**0.00341**	**0.00129**	**0.0114**	NR
MCL // HAL // SS = 0.01	9/10/2018	mg/l	<0.000570	<0.000570	<0.000570	<0.00171	**0.0107**	**0.00116**	<0.000570	<0.000570	<0.00171	**0.00149**	**0.00168**	**0.00124**	**0.00871**	NR
	4/9/2019	mg/l	<0.000750	<0.000750	<0.000750	<0.000750	**0.00532**	**0.000760**	<0.000750	<0.000750	**0.00147**	**0.00191**	**0.00161**	**0.00119**	**0.0111**	NR
	9/11/2019	mg/l	<0.000750	<0.000750	<0.000750	<0.000750	**0.0117**	**0.000779**	<0.000750	<0.000750	**0.00180**	**0.00272**	**0.00162**	**0.00133**	**0.0119**	**0.00156**
	4/29/2020	mg/l	<0.000880	<0.000880	<0.000880	<0.000880	**0.0117**	<0.000880	<0.000880	<0.000880	**0.00230**	**0.00340**	**0.00261**	**0.00129**	**0.0128**	NR
	9/15/2020	mg/l	<0.000880	<0.000880	<0.000880	<0.000880	**0.00700**	**0.00204**	<0.000880	<0.000880	**0.00254**	**0.00476**	<0.000880	**0.00135**	**0.0110**	NA
	4/21/2021	mg/l	<0.000750	<0.000750	<0.000750	<0.000750	**0.00688**	**0.000949**	<0.000750	<0.000750	**0.00276**	**0.00387**	**0.00580**	**0.00158**	**0.0135**	NR
	9/14/2021	mg/l	<0.000750	<0.000750	<0.000750	<0.00750	<0.0150	<0.00525	<0.00525	<0.00750	**0.00284**	**0.00437**	**0.00111**	**0.00125**	**0.0122**	NR
	4/18/2022	mg/l	<0.000750	<0.000750	<0.000750	<0.00300	<0.0150	<0.000750	<0.000750	<0.000750	<0.00300	**0.00684**	**0.00136**	<0.000750	**0.0120**	NR
	9/13/2022	mg/l	NA	NA	NA	NA	**0.00531**	**0.000856**	NA	NA	**0.00320**	**0.00463**	**0.00882**	**0.00111**	**0.0154**	NR
	3/28/2023	mg/l	<0.000750	<0.000750	<0.000750	<0.000750	**0.00545**	<0.000750	<0.000750	<0.000750	**0.00283**	**0.00440**	**0.00918**	**0.00115**	**0.0135**	NR
	9/12/2023	mg/l	<0.000530	<0.000530	<0.000530	**0.000617**	**0.00831**	**0.000941**	<0.000530	<0.000530	**0.00232**	**0.00353**	**0.0104**	**0.00148**	**0.0134**	NR
	3/28/2023	mg/l	<0.000750	<0.000750	<0.000750	<0.000750	**0.00545**	<0.000750	<0.000750	<0.000750	**0.00283**	**0.00440**	**0.00918**	**0.00115**	**0.0135**	NR
	9/12/2023	mg/l	<0.000530	<0.000530	<0.000530	**0.000617**	**0.00831**	**0.000941**	<0.000530	<0.000530	**0.00232**	**0.00353**	**0.0104**	**0.00148**	**0.0134**	NR
	4/1/2024	mg/l	<0.000530	<0.000530	<0.000530	<0.00212	**0.0152**	<0.00212	<0.00212	<0.000530	**0.00252**	**0.00316**	**0.0127**	**0.00116**	**0.00853**	**0.000888**
	8/28/2024	mg/l	<0.000530	<0.000530	<0.000530	<0.000530	**0.00784**	**0.00081**	<0.000530	<0.000530	**0.00252**	**0.01470**	**0.0169**	**0.00120**	**0.01260**	NR
Barium (Total) (7440-39-3)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // SS = 2	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

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Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Beryllium (Total) (7440-41-7)	4/23/2018	mg/l	<0.000190	<0.000190	**0.000267**	<0.000190	**0.00218**	<0.000190	**0.00045**	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	NR
MCL // SS = 0.004	9/10/2018	mg/l	<0.000190	<0.000190	**0.000339**	<0.000570	**0.00230**	<0.00228	<0.00228	<0.000190	<0.000570	<0.000190	<0.000190	<0.000190	<0.000190	NR
	4/9/2019	mg/l	<0.000270	<0.000270	<0.000270	<0.000270	**0.00183**	<0.000270	**0.000611**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	NR
	9/11/2019	mg/l	<0.000270	<0.000270	**0.000401**	<0.000270	**0.00196**	<0.000270	**0.00191**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270
	4/29/2020	mg/l	<0.000270	<0.000270	<0.000270	<0.000270	**0.00199**	<0.000270	**0.00112**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	NR
	9/15/2020	mg/l	<0.000270	<0.000270	**0.000326**	<0.000270	**0.00212**	<0.000270	**0.000762**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	NA
	4/21/2021	mg/l	<0.000270	<0.000270	<0.000270	<0.000270	**0.00215**	<0.000270	**0.00108**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	NR
	9/14/2021	mg/l	<0.000270	<0.000270	**0.000357**	<0.000270	<0.00540	<0.00189	<0.00189	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	NR
	4/18/2022	mg/l	<0.000270	<0.000270	<0.000270	<0.000108	<0.00540	<0.000270	<0.000270	<0.000270	<0.000108	<0.000270	<0.000270	<0.000270	<0.000270	NR
	9/13/2022	mg/l	NA	NA	**0.000320**	NA	**0.00206**	NA	**0.000279**	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	<0.000270	<0.000270	**0.000378**	<0.000270	**0.00188**	<0.000270	**0.000718**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	**0.000288**	NR
	9/12/2023	mg/l	<0.000330	<0.000330	**0.000590**	**0.000444**	**0.00238**	<0.000330	**0.000625**	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	NR
	3/28/2023	mg/l	<0.000270	<0.000270	**0.000378**	<0.000270	**0.00188**	<0.000270	**0.000718**	<0.000270	<0.000270	<0.000270	<0.000270	<0.000270	**0.000288**	NR
	9/12/2023	mg/l	<0.000330	<0.000330	**0.000590**	**0.000444**	**0.00238**	<0.000330	**0.000625**	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	NR
	4/1/2024	mg/l	<0.000330	<0.000330	**0.000357**	<0.00132	<0.00231	<0.00132	<0.00132	<0.000330	<0.00132	<0.000330	<0.00132	<0.000330	<0.00132	<0.000330
	8/28/2024	mg/l	<0.000330	<0.000330	**0.000619**	<0.00132	<0.00231	<0.00132	<0.00132	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	<0.000330	NR
Cadmium (Total) (7440-43-9)	4/23/2018	mg/l	<0.0000600	NA	**0.000322**	NA	NA	NA	NA	<0.0000600	**0.000210**	<0.0000600	<0.0000600	<0.0000600	<0.0000600	NR
MCL // SS = 0.005	9/10/2018	mg/l	<0.0000600	NA	**0.000503**	NA	NA	NA	NA	<0.0000600	**0.000240**	<0.0000600	**0.000123**	<0.0000600	<0.0000600	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	**0.000944**	NA	NA	NA	NA	<0.0000390	<0.0000390	<0.0000390	<0.0000390	<0.0000390	<0.0000390	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	**0.00135**	NA	NA	NA	NA	<0.0000490	<0.0000490	<0.0000490	<0.0000490	<0.0000490	**0.000108**	NR
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	**0.000812**	NA	NA	NA	NA	<0.0000510	<0.0000510	<0.0000510	<0.0000510	<0.0000510	**0.000155**	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	**0.000392**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	**0.000197**	NA	NA	NA	NA	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	**0.000197**	NA	NA	NA	NA	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	**0.000132**	NA	NA	NA	NA	<0.000100	<0.000400	<0.000100	<0.000400	<0.000100	<0.000400	NR

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Chromium - Dissolved - VI (18540-29-9)	4/23/2018	mg/l	<0.00560	NA	NA	NA	NA	NA	NA	<0.00560	<0.00560	<0.00560	<0.00560	<0.00560	<0.00560	NR
SS = 0.021	9/10/2018	mg/l	<0.00560	NA	NA	NA	NA	NA	NA	<0.00560	<0.00560	<0.00560	<0.00560	<0.00560	<0.00560	NR
	4/9/2019	mg/l	<0.00560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	<0.0100	NA	NA	NA	NA	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	<0.0100	NA	NA	NA	NA	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA	NA	<0.00120	NA	NR
Chromium - Dissolved - Tri (16065-83-1)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL // HAL = 0.1	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	<0.00120	<0.00120	<0.00120	<0.00480	<0.0100	0.00121	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
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Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Cobalt (Total) (7440-48-4)	4/23/2018	mg/l	<0.0000610	<0.0000610	**0.000114**	**0.00143**	**0.0102**	**0.0019**	**0.000659**	**0.000460**	**0.00903**	**0.000561**	**0.00452**	**0.00191**	**0.000312**	NR
SS = 0.0021	9/10/2018	mg/l	<0.0000610	<0.0000610	<0.0000610	**0.000870**	**0.0137**	**0.00344**	**0.000112**	**0.000152**	**0.00936**	**0.00148**	**0.00397**	**0.00146**	**0.000232**	NR
	4/9/2019	mg/l	<0.0000910	<0.0000910	<0.0000910	**0.000354**	**0.0119**	**0.00262**	**0.000568**	<0.0000910	**0.0108**	**0.00154**	**0.00423**	**0.00134**	**0.000481**	NR
	9/11/2019	mg/l	<0.0000910	<0.0000910	**0.000666**	**0.000181**	**0.00483**	**0.00553**	**0.00064**	<0.0000910	**0.00915**	**0.00164**	**0.00379**	**0.00163**	**0.000589**	**0.000410**
	4/29/2020	mg/l	<0.0000910	<0.0000910	**0.000366**	**0.000319**	**0.00489**	**0.00417**	**0.000358**	**0.000164**	**0.00767**	**0.00193**	**0.00353**	**0.00150**	**0.000564**	NR
	9/15/2020	mg/l	<0.0000910	<0.0000910	**0.000124**	**0.00116**	**0.0174**	**0.00729**	<0.0000910	**0.000253**	**0.00755**	**0.00211**	**0.00273**	**0.00167**	**0.000533**	NA
	4/21/2021	mg/l	<0.0000910	**0.000124**	**0.000246**	**0.00145**	**0.0147**	**0.00610**	<0.0000910	**0.000132**	**0.00721**	**0.00225**	**0.00339**	**0.00168**	**0.00204**	NR
	9/14/2021	mg/l	<0.000190	<0.000910	<0.000910	<0.00190	**0.0237**	**0.00521**	<0.00133	<0.000910	**0.00611**	**0.00202**	**0.00225**	**0.00136**	**0.00331**	NR
	4/18/2022	mg/l	**0.000269**	<0.000190	<0.000190	**0.00166**	**0.00462**	**0.00487**	<0.000190	<0.000190	**0.0112**	**0.00349**	**0.000829**	**0.00127**	**0.00137**	NR
	9/13/2022	mg/l	NA	NA	**0.0002160**	**0.00176**	**0.00741**	**0.00298**	NA	NA	**0.00528**	**0.00205**	**0.00294**	**0.00149**	**0.00107**	NR
	3/28/2023	mg/l	**0.000202**	<0.000190	<0.000190	**0.00202**	**0.0150**	**0.00368**	**0.000223**	**0.000279**	**0.00579**	**0.00261**	**0.00214**	**0.00139**	**0.00416**	NR
	9/12/2023	mg/l	<0.000170	<0.000170	<0.000170	**0.00163**	**0.0190**	**0.00474**	<0.000170	<0.000170	**0.00592**	**0.00168**	**0.00189**	**0.00122**	**0.00157**	NR
	3/28/2023	mg/l	**0.000202**	<0.000190	<0.000190	**0.00202**	**0.0150**	**0.00368**	**0.000223**	**0.000279**	**0.00579**	**0.00261**	**0.00214**	**0.00139**	**0.00416**	NR
	9/12/2023	mg/l	<0.000170	<0.000170	<0.000170	**0.00163**	**0.0190**	**0.00474**	<0.000170	<0.000170	**0.00592**	**0.00168**	**0.00189**	**0.00122**	**0.00157**	NR
	4/1/2024	mg/l	<0.000170	<0.000170	<0.000170	**0.00140**	**0.0110**	**0.00260**	<0.000680	**0.000299**	**0.00602**	**0.000810**	**0.00172**	**0.000941**	**0.00125**	**0.000188**
	8/28/2024	mg/l	<0.000170	<0.000170	<0.000170	**0.00147**	**0.0179**	**0.00438**	<0.000680	<0.000170	**0.00554**	**0.002640**	**0.00166**	**0.001270**	**0.00166**	NR
Copper (Total) (7440-50-8)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
SMCL = 1	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

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Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Lead (Total) (7439-92-1)	4/23/2018	mg/l	<0.000250	NA	NA	NA	<0.000250	NA	NA	**0.000554**	<0.000250	<0.000250	<0.000250	<0.000250	**0.000291**	NR
MCL // SS = 0.015	9/10/2018	mg/l	<0.000250	NA	NA	NA	<0.000250	NA	NA	**0.000291**	<0.000750	<0.000250	<0.000250	<0.000250	**0.000272**	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	<0.000270	**0.000501**	<0.000270	**0.000305**	<0.000270	**0.000615**	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	**0.000346**	**0.000247**	**0.000153**	**0.000165**	<0.000110	**0.000287**	NR
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	<0.000210	<0.000210	<0.000210	<0.000210	<0.000210	**0.00375**	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.000620**	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	<0.000240	NA	NA	NA	NA	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	**0.00231**	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	<0.000240	NA	NA	NA	NA	<0.000240	<0.000240	<0.000240	<0.000240	<0.000240	**0.00231**	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	<0.000260	<0.000260	<0.000260	<0.000260	<0.000260	**0.00268**	NR
Magnesium (Total) (7439-95-4)	4/23/2018	mg/l	**59.2**	**13.1**	**122**	**159**	**424**	**166**	**133**	**42.0**	**139**	**46.0**	**105**	**45.5**	**126**	NR
MCL // SS = N/A	9/10/2018	mg/l	**55.4**	**14.3**	**63.3**	**171**	**349**	**181**	**132**	**39.9**	**161**	**37.8**	**70.0**	**33.5**	**118**	NR
	4/9/2019	mg/l	**52.7**	**15.3**	**128**	**190**	**402**	**183**	**142**	**44.1**	**144**	**45.0**	**124**	**36.0**	**118**	NR
	9/11/2019	mg/l	**46.8**	**14.2**	**54.4**	**157**	**307**	**182**	**147**	**42.5**	**144**	**45.3**	**117**	**37.4**	**116**	**45.8**
	4/29/2020	mg/l	**56.3**	**15.0**	**148**	**159**	**368**	**157**	**141**	**46.7**	**148**	**47.1**	**116**	**39.5**	**120**	NR
	9/15/2020	mg/l	**48.6**	**12.9**	**81.4**	**144**	**422**	**161**	**137**	**39.0**	**149**	**41.4**	**98.2**	**38.4**	**121**	NA
	4/21/2021	mg/l	**62.2**	**13.6**	**257**	**151**	**431**	**185**	**140**	**46.0**	**150**	**51.3**	**113**	**46.5**	**120**	NR
	9/14/2021	mg/l	**60.4**	**13.6**	**55.9**	**175**	**427**	**162**	**139**	**39.6**	**188**	**43.5**	**85.4**	**35.1**	**162**	NR
	4/18/2022	mg/l	**66.5**	**12.8**	**58.1**	**154**	**381**	**173**	**114**	**39.4**	**133**	**44.7**	**34.0**	**33.5**	**123**	NR
	9/13/2022	mg/l	**53.1**	**13.8**	**32.9**	**150**	**444**	**155**	**138**	**41.5**	**141**	**47.4**	**117**	**37.9**	**122**	NR
	3/28/2023	mg/l	**84.3**	**14.3**	**24.8**	**177**	**544**	**227**	**156**	**45.9**	**165**	**49.3**	**120**	**38.9**	**130**	NR
	9/12/2023	mg/l	**70.6**	**13.8**	**12.0**	**34.3**	**69.7**	**129**	**110**	**41.3**	**32.4**	**45.4**	**25.4**	**35.4**	**126**	NR
	3/28/2023	mg/l	**84.3**	**14.3**	**24.8**	**177**	**544**	**227**	**156**	**45.9**	**165**	**49.3**	**120**	**38.9**	**130**	NR
	9/12/2023	mg/l	**70.6**	**13.8**	**12.0**	**34.3**	**69.7**	**129**	**110**	**41.3**	**32.4**	**45.4**	**25.4**	**35.4**	**126**	NR
	4/1/2024	mg/l	**80.9**	**13.6**	**50.5**	**164**	**453**	**167**	**128**	**41.9**	**150**	**21.2**	**110**	**25.8**	**74.8**	**46.1**
	8/28/2024	mg/l	**79.4**	**14.0**	**14.0**	**150**	**530**	**152**	**122**	**40.7**	**154**	**40.7**	**111**	**30.4**	**132.0**	NR

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Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Manganese (Total) (7439-96-5)	4/23/2018	mg/l	**0.00772**	**0.00280**	**0.131**	**2.80**	**16.4**	**2.53**	**1.05**	**0.0229**	**2.10**	**1.13**	**2.35**	**0.151**	**2.41**	NR
SMCL = 0.05	9/10/2018	mg/l	**0.00309**	**0.00482**	**0.209**	**1.58**	**15.7**	**1.94**	**1.86**	**0.0119**	**2.52**	**1.14**	**1.38**	**0.150**	**2.14**	NR
	4/9/2019	mg/l	**0.00437**	<0.00250	**0.0933**	**0.553**	**18.0**	**2.22**	**0.815**	**0.00497**	**2.60**	**1.31**	**2.70**	**0.147**	**1.88**	NR
	9/11/2019	mg/l	<0.00250	<0.00250	**0.514**	**0.174**	**11.2**	**2.72**	**2.30**	**0.00568**	**2.34**	**1.35**	**2.21**	**0.159**	**1.69**	**0.0774**
	4/29/2020	mg/l	<0.00400	<0.00400	**0.461**	**0.618**	**14.9**	**2.71**	**0.995**	**0.0146**	**2.39**	**1.64**	**2.02**	**0.155**	**1.80**	NR
	9/15/2020	mg/l	**0.0127**	<0.00400	**0.695**	**2.84**	**18.8**	**2.83**	**0.0794**	**0.0214**	**2.20**	**1.45**	**1.46**	**0.167**	**1.36**	NA
	4/21/2021	mg/l	<0.00440	**0.00793**	**0.731**	**3.34**	**20.1**	**3.05**	**0.365**	**0.0156**	**2.45**	**1.83**	**2.07**	**0.190**	**1.68**	NR
	9/14/2021	mg/l	**0.0174**	<0.00440	**0.328**	**0.451**	**19.9**	**2.70**	**0.0497**	**0.00842**	**2.10**	**1.50**	**1.31**	**0.145**	**1.57**	NR
	4/18/2022	mg/l	**0.0020**	<0.00360	**0.0909**	**3.50**	**15.5**	**2.60**	**0.205**	**0.00364**	**2.38**	**2.07**	**0.421**	**0.139**	**1.33**	NR
	9/13/2022	mg/l	**0.0105**	NA	**0.181**	**2.18**	**19.7**	**2.18**	**0.0909**	**0.0115**	**2.10**	**1.62**	**2.34**	**0.174**	**1.32**	NR
	3/28/2023	mg/l	**0.00446**	<0.00360	**0.0433**	**3.53**	**24.7**	**2.77**	**0.0880**	**0.0239**	**2.36**	**2.04**	**1.61**	**0.159**	**1.65**	NR
	9/12/2023	mg/l	<0.00360	<0.00360	**0.0720**	**3.03**	**3.69**	**2.63**	**0.0628**	**0.0111**	**2.10**	**1.74**	**1.45**	**0.171**	**1.26**	NR
	3/28/2023	mg/l	**0.00446**	<0.00360	**0.0433**	**3.53**	**24.7**	**2.77**	**0.0880**	**0.0239**	**2.36**	**2.04**	**1.61**	**0.159**	**1.65**	NR
	9/12/2023	mg/l	<0.00360	<0.00360	**0.0720**	**3.03**	**3.69**	**2.63**	**0.0628**	**0.0111**	**2.10**	**1.74**	**1.45**	**0.171**	**1.26**	NR
	4/1/2024	mg/l	**0.0117**	<0.00360	**0.0725**	**3.53**	**20.8**	**2.21**	**0.269**	**0.0263**	**2.16**	**0.572**	**1.37**	**0.107**	**0.751**	**0.0919**
	8/28/2024	mg/l	**0.00747**	0.00391	**0.105**	**3.34**	**26.0**	**2.59**	**0.133**	**0.0124**	**2.31**	**2.080**	**1.48**	**0.168**	**1.240**	NR
Molybdenum (Total) (7439-98-7)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
SS = 0.04	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

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Nickel (Total) (7440-02-0)	4/23/2018	mg/l	<0.00100	<0.00100	**0.00345**	**0.0206**	**0.0127**	**0.116**	**0.0130**	**0.00151**	**0.0337**	**0.0255**	**0.0105**	**0.00392**	<0.00100	NR
SS = 0.1	9/10/2018	mg/l	<0.00300	<0.00300	<0.00300	<0.00300	<0.0120	**0.0963**	**0.0184**	<0.00300	**0.0163**	**0.0240**	**0.00458**	<0.00300	<0.00300	NR
	4/9/2019	mg/l	<0.00170	<0.00170	**0.00325**	**0.00599**	**0.0153**	**0.0811**	**0.0109**	<0.00170	**0.0222**	**0.0240**	**0.00696**	**0.00405**	<0.00170	NR
	9/11/2019	mg/l	<0.00170	<0.00170	**0.00722**	**0.00352**	**0.00745**	**0.0850**	**0.0253**	<0.00170	**0.0192**	**0.0239**	**0.00569**	**0.00442**	<0.00170	**0.00263**
	4/29/2020	mg/l	<0.00190	<0.00190	**0.0109**	**0.00627**	**0.00772**	**0.0587**	**0.0129**	<0.00190	**0.0162**	**0.0271**	**0.00495**	**0.00501**	<0.00190	NR
	9/15/2020	mg/l	<0.00190	<0.00190	**0.0102**	**0.0170**	**0.0266**	**0.0727**	**0.00405**	<0.00190	**0.0135**	**0.0230**	**0.00398**	**0.00471**	<0.00190	NA
	4/21/2021	mg/l	<0.00190	<0.00190	**0.0217**	**0.0204**	**0.0205**	**0.0985**	**0.0106**	<0.00190	**0.0148**	**0.0285**	**0.00448**	**0.00612**	**0.00307**	NR
	9/14/2021	mg/l	<0.00190	<0.00190	**0.0071**	<0.0190	**0.0418**	**0.0695**	<0.0133	<0.00190	**0.0111**	**0.0237**	**0.00319**	**0.00431**	**0.00438**	NR
	4/18/2022	mg/l	<0.00190	<0.00190	**0.00275**	**0.0193**	<0.00380	**0.0936**	<0.00190	<0.00190	**0.0145**	**0.0246**	**0.00482**	**0.00433**	<0.00190	NR
	9/13/2022	mg/l	NA	NA	**0.00308**	**0.00946**	**0.0168**	**0.0849**	**0.00405**	NA	**0.00864**	**0.0256**	**0.00292**	**0.00595**	NA	NR
	3/28/2023	mg/l	<0.00190	<0.00190	<0.00190	**0.0155**	**0.0198**	**0.103**	**0.00271**	<0.00190	**0.0100**	**0.0250**	<0.00190	**0.00353**	**0.00661**	NR
	9/12/2023	mg/l	<0.00190	<0.00190	<0.00190	**0.0121**	**0.0353**	**0.0519**	<0.00760	<0.00190	**0.00810**	**0.0249**	<0.00190	<0.00190	<0.00190	NR
	3/28/2023	mg/l	<0.00190	<0.00190	<0.00190	**0.0155**	**0.0198**	**0.103**	**0.00271**	<0.00190	**0.0100**	**0.0250**	<0.00190	**0.00353**	**0.00661**	NR
	9/12/2023	mg/l	<0.00190	<0.00190	<0.00190	**0.0121**	**0.0353**	**0.0519**	<0.00760	<0.00190	**0.00810**	**0.0249**	<0.00190	<0.00190	<0.00190	NR
	4/1/2024	mg/l	<0.00190	<0.00190	**0.00311**	**0.0163**	**0.0280**	**0.101**	**0.00794**	<0.00190	**0.0114**	**0.00873**	**0.0122**	**0.00368**	<0.00760	<0.00190
	8/28/2024	mg/l	<0.00210	<0.00210	<0.00210	<0.00840	<0.0735	<0.0420	<0.0420	<0.00210	**0.0086**	**0.0210**	<0.00840	**0.00360**	<0.00840	NR
Silver (Total) (7440-22-4)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
SMCL // SS = 0.1	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

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Strontium (Total) (7440-24-6)	4/23/2018	mg/l	**0.970**	**0.146**	**0.853**	**2.88**	**0.583**	**1.62**	**1.01**	**0.515**	**2.3**	**0.63**	**1.69**	**0.676**	**2.06**	NR
MCL // SS = 4	9/10/2018	mg/l	**1.08**	**0.170**	**0.551**	**3.28**	**0.403**	**1.57**	**0.858**	**0.633**	**2.80**	**0.705**	**1.33**	**0.647**	**2.19**	NR
	4/9/2019	mg/l	**0.885**	**0.166**	**0.982**	**3.59**	**0.459**	**1.62**	**1.1**	**0.601**	**2.53**	**0.711**	**2.14**	**0.597**	**2.33**	NR
	9/11/2019	mg/l	**0.751**	**0.158**	**0.514**	**2.91**	**0.462**	**1.54**	**0.882**	**0.566**	**2.37**	**0.705**	**1.92**	**0.604**	**2.20**	**0.250**
	4/29/2020	mg/l	**0.950**	**0.170**	**1.79**	**2.98**	**0.546**	**1.49**	**1.04**	**0.638**	**2.49**	**0.749**	**1.95**	**0.637**	**2.28**	NR
	9/15/2020	mg/l	**0.842**	**0.156**	**0.850**	**2.72**	**0.583**	**1.46**	**1.12**	**0.578**	**2.48**	**0.71**	**1.53**	**0.651**	**2.25**	NA
	4/21/2021	mg/l	**1.10**	**0.166**	**3.45**	**2.92**	**0.678**	**1.63**	**1.16**	**0.607**	**2.63**	**0.803**	**1.98**	**0.740**	**2.34**	NR
	9/14/2021	mg/l	**1.10**	**0.162**	**0.655**	**3.10**	**0.504**	**1.32**	**1.09**	**0.567**	**2.88**	**0.747**	**1.50**	**0.607**	**2.74**	NR
	4/18/2022	mg/l	**1.22**	**0.153**	**0.843**	**3.07**	**0.532**	**1.41**	**0.883**	**0.518**	**2.17**	**0.678**	**0.588**	**0.512**	**2.41**	NR
	9/13/2022	mg/l	**0.922**	**0.155**	**0.487**	**2.57**	**0.688**	**1.35**	**1.20**	**0.623**	**2.19**	**0.770**	**1.82**	**0.637**	**2.15**	NR
	3/28/2023	mg/l	**1.47**	**0.161**	**0.343**	**3.13**	**0.856**	**1.68**	**1.18**	**0.661**	**2.57**	**0.839**	**1.84**	**0.669**	**2.26**	NR
	9/12/2023	mg/l	**1.46**	**0.172**	**0.176**	**0.772**	**0.923**	**1.53**	**1.30**	**0.717**	**0.639**	**0.835**	**0.449**	**0.712**	**2.53**	NR
	3/28/2023	mg/l	**1.47**	**0.161**	**0.343**	**3.13**	**0.856**	**1.68**	**1.18**	**0.661**	**2.57**	**0.839**	**1.84**	**0.669**	**2.26**	NR
	9/12/2023	mg/l	**1.46**	**0.172**	**0.176**	**0.772**	**0.923**	**1.53**	**1.30**	**0.717**	**0.639**	**0.835**	**0.449**	**0.712**	**2.53**	NR
	4/1/2024	mg/l	**1.30**	**0.158**	**0.630**	**2.82**	**0.662**	**1.27**	**0.975**	**0.525**	**2.34**	**0.362**	**1.61**	**0.367**	**1.25**	**0.383**
	8/28/2024	mg/l	**1.37**	**0.153**	**0.196**	**2.88**	**0.704**	**1.43**	**0.978**	**0.575**	**2.44**	**0.658**	**1.71**	**0.518**	**2.40**	NR
Thallium (Total) (7440-28-0)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
MCL = 0.002	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

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Vanadium (Total) (7440-62-2)	4/23/2018	mg/l	**0.000973**	NA	NA	NA	**0.00105**	NA	NA	**0.00286**	**0.00112**	**0.000564**	<0.000520	**0.000991**	**0.000560**	NR
SS = 0.035	9/10/2018	mg/l	**0.000525**	NA	NA	NA	<0.00520	NA	NA	**0.000848**	**0.00168**	<0.000520	**0.000801**	**0.000719**	<0.000520	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	<0.000820	<0.000820	<0.000820	<0.000820	**0.000906**	<0.000820	<0.000820
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	**0.00112**	<0.000850	<0.000850	<0.000850	**0.00132**	<0.000850	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	<0.00110	<0.00110	<0.00110	<0.00110	**0.00120**	**0.00454**	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.00113**	**0.00112**	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	**0.00164**	NA	NA	NA	NA	<0.00110	<0.00110	<0.00110	<0.00110	**0.00189**	**0.00279**	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	**0.00164**	NA	NA	NA	NA	<0.00110	<0.00110	<0.00110	<0.00110	**0.00189**	**0.00279**	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	<0.00110	<0.00110	**0.00147**	<0.00440	<0.00110	**0.00242**	NR
Zinc (Total) (7440-66-6)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
SS = 2	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR

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Total Suspended Solids (TSS)	4/23/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/10/2018	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/9/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/11/2019	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/15/2020	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/14/2021	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/18/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/13/2022	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	9/12/2023	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	8/28/2024	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
1,4-Dioxane (123-91-1)	4/23/2018	µg/l	NA	NA	<76.1	<76.1	<76.1	<76.1	<76.1	<76.1	<76.1	<76.1	<76.1	<76.1	<76.1	NR
SS = 200	9/10/2018	µg/l	NA	NA	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	4/9/2019	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	9/11/2019	µg/l	NA	NA	<34.0	NA	NA	NA	NA	<34.0	<34.0	<34.0	<34.0	<34.0	<340	NA
	4/29/2020	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	9/15/2020	µg/l	NA	NA	<34.0	NA	NA	NA	NA	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NA
	4/21/2021	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	9/14/2021	µg/l	NA	NA	NA	NA	NA	NA	NA	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	4/18/2022	µg/l	<0.500	<0.500	<0.500	**9.19**	**28.1**	**52.6**	**6.80**	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	9/12/2023	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	3/28/2023	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	9/12/2023	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
	4/1/2024	µg/l	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0
	8/28/2024	µg/l	NA	NA	<34.0	NA	NA	NA	NA	<34.0	<34.0	<34.0	<34.0	<34.0	<34.0	NR
Acetone (67-64-1)	4/23/2018	µg/l	<1.79	<1.79	**3.10**	**6.88**	**3.71**	**3.77**	**4.36**	**6.12**	**10.10**	**4.72**	**4.19**	<1.79	**6.00**	NR
SS = 6300	9/10/2018	µg/l	<3.10	<3.10	<3.10	**3.53**	**3.55**	<3.10	<3.10	<3.10	**3.78**	<3.10	<3.10	<3.10	<3.10	NR
	4/9/2019	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR
	9/11/2019	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<31.0	4.32
	4/29/2020	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR
	9/15/2020	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NA
	4/21/2021	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR
	9/14/2021	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR
	4/18/2022	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR
	9/12/2023	µg/l	<3.10	<3.10	<3.10	**3.54**	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR
	4/1/2024	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10
	8/28/2024	µg/l	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	<3.10	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Benzene (71-43-2)	4/23/2018	µg/l	<0.110	<0.110	<0.110	<0.110	**0.483**	**0.134**	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	NR
MCL // SS = 5	9/10/2018	µg/l	<0.220	<0.220	<0.220	<0.220	**0.641**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	4/9/2019	µg/l	<0.220	<0.220	<0.220	<0.220	**0.588**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/11/2019	µg/l	<0.220	<0.220	<0.220	<0.220	**0.569**	**0.244**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	**6.89**	<0.220
	4/29/2020	µg/l	<0.220	<0.220	<0.220	<0.220	**0.569**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/15/2020	µg/l	<0.220	<0.220	<0.220	<0.220	**0.913**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	4/21/2021	µg/l	<0.220	<0.220	<0.220	<0.220	**0.682**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/14/2021	µg/l	<0.220	<0.220	<0.220	<0.220	**0.701**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	4/18/2022	µg/l	<0.220	<0.220	<0.220	<0.220	**0.527**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/13/2022	µg/l	NA	NA	NA	NA	**0.751**	**0.2690**	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/12/2023	µg/l	<0.220	<0.220	<0.220	<0.220	**0.692**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	3/28/2023	µg/l	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/12/2023	µg/l	<0.220	<0.220	<0.220	<0.220	**0.692**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	4/1/2024	µg/l	<0.220	<0.220	<0.220	<0.220	**0.320**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220
	8/28/2024	µg/l	<0.220	<0.220	<0.220	<0.220	**0.721**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
n-Butylbenzene (104-51-8)	4/23/2018	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
SS = 350	9/10/2018	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	4/9/2019	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	9/11/2019	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<4.40	<0.440
	4/29/2020	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	9/15/2020	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NA
	4/21/2021	µg/l	<0.440	<0.440	<0.440	<0.440	**0.656**	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	9/14/2021	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	4/18/2022	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	9/12/2023	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	3/28/2023	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	9/12/2023	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR
	4/1/2024	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440
	8/28/2024	µg/l	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
1,2,4-Trimethylbenzene (95-63-6)	4/23/2018	µg/l	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	**0.320**	<0.200	<0.200	<0.200	<0.200	<0.200	NR
SS = 70	9/10/2018	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	4/9/2019	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	9/11/2019	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<4.20	<0.420
	4/29/2020	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	9/15/2020	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NA
	4/21/2021	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	9/14/2021	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	4/18/2022	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	9/12/2023	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	3/28/2023	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	9/12/2023	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
	4/1/2024	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420
	8/28/2024	µg/l	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	<0.420	NR
1,1-Dichloroethane (75-34-3)	4/23/2018	µg/l	<0.210	<0.210	**0.272**	**0.803**	**16.1**	**0.789**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
SS = 140	9/10/2018	µg/l	<0.220	<0.220	<0.220	**0.947**	**22.1**	**0.753**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	4/9/2019	µg/l	<0.220	<0.220	<0.220	**0.790**	**19.2**	**0.510**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/11/2019	µg/l	<0.220	<0.220	<0.220	**0.856**	**12.6**	**0.807**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220
	4/29/2020	µg/l	<0.220	<0.220	<0.220	**0.705**	**16.4**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/15/2020	µg/l	<0.220	<0.220	<0.220	**0.985**	**37.0**	**0.912**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NA
	4/21/2021	µg/l	<0.220	<0.220	<0.220	**0.712**	**21.4**	**0.737**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/14/2021	µg/l	<0.220	<0.220	<0.220	**0.592**	**24.4**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	4/18/2022	µg/l	<0.220	<0.220	<0.220	**0.655**	**16.2**	**0.628**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/13/2022	µg/l	NA	NA	NA	**0.711**	**19.4**	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.220	<0.220	<0.220	**0.344**	**13.0**	**0.544**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/12/2023	µg/l	<0.220	<0.220	<0.220	**0.575**	**20.7**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	3/28/2023	µg/l	<0.220	<0.220	<0.220	**0.344**	**13.0**	**0.544**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	9/12/2023	µg/l	<0.220	<0.220	<0.220	**0.575**	**20.7**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
	4/1/2024	µg/l	<0.220	<0.220	<0.220	**0.460**	**10.6**	**0.607**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220
	8/28/2024	µg/l	<0.220	<0.220	<0.220	**0.445**	**18.0**	**0.488**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
1,3,5-Trimethylbenzene (108-67-8)	4/23/2018	µg/l	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NR
SS = 70	9/10/2018	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/9/2019	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/11/2019	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370
	4/29/2020	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/15/2020	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NA
	4/21/2021	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/14/2021	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/18/2022	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/12/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	3/28/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/12/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/1/2024	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370
	8/28/2024	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
cis-1,2-Dichloroethene (156-59-2)	4/23/2018	µg/l	<0.130	<0.130	**26.2**	**0.500**	**0.476**	**18.7**	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	NR
MCL // SS = 70	9/10/2018	µg/l	<0.210	<0.210	**12.7**	**0.634**	**0.889**	**18.2**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	4/9/2019	µg/l	<0.210	<0.210	**8.61**	**0.412**	**1.12**	**13.2**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	9/11/2019	µg/l	<0.210	<0.210	**5.19**	**0.234**	**0.367**	**26.2**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<2.10	<0.210
	4/29/2020	µg/l	<0.210	<0.210	**1.46**	**0.459**	**3.53**	**9.57**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	9/15/2020	µg/l	<0.210	<0.210	**5.47**	**0.617**	**72.5**	**26.8**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NA
	4/21/2021	µg/l	<0.210	<0.210	**1.71**	**0.500**	**21.3**	**24.7**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	9/14/2021	µg/l	<0.210	<0.210	**4.13**	**0.419**	**32.4**	**18.9**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	4/18/2022	µg/l	<0.210	<0.210	**1.57**	**0.520**	**3.72**	**24.8**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	**1.33**	NR
	9/13/2022	µg/l	NA	NA	**2.68**	**0.540**	**2.32**	**33.9**	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.210	<0.210	**1.06**	**0.302**	**1.39**	**21.9**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	9/12/2023	µg/l	<0.210	<0.210	**2.72**	<0.210	**4.74**	**21.9**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	3/28/2023	µg/l	<0.210	<0.210	**1.06**	**0.302**	**1.39**	**21.9**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	9/12/2023	µg/l	<0.210	<0.210	**2.72**	<0.210	**4.74**	**21.9**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
	4/1/2024	µg/l	<0.210	<0.210	**0.328**	<0.210	<0.210	**29.9**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210
	8/28/2024	µg/l	<0.210	<0.210	**2.490**	**0.556**	**4.68**	**22.0**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
trans-1,2-Dichloroethene (156-60-5)	4/23/2018	µg/l	<0.210	<0.210	**0.853**	<0.210	**1.28**	**0.255**	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
MCL // SS = 100	9/10/2018	µg/l	<0.270	<0.270	<0.270	<0.270	**1.82**	**0.434**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	4/9/2019	µg/l	<0.270	<0.270	<0.270	<0.270	**2.10**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/11/2019	µg/l	<0.270	<0.270	<0.270	<0.270	**1.35**	**0.640**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<2.70	<0.270
	4/29/2020	µg/l	<0.270	<0.270	<0.270	<0.270	**1.59**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/15/2020	µg/l	<0.270	<0.270	<0.270	<0.270	**6.29**	**0.653**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NA
	4/21/2021	µg/l	<0.270	<0.270	<0.270	<0.270	**3.29**	**0.582**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/14/2021	µg/l	<0.270	<0.270	<0.270	<0.270	**4.72**	**0.421**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	4/18/2022	µg/l	<0.270	<0.270	<0.270	<0.270	**1.95**	**0.327**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/13/2022	µg/l	NA	NA	NA	NA	**2.67**	**0.690**	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.270	<0.270	<0.270	<0.270	**1.65**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/12/2023	µg/l	<0.270	<0.270	<0.270	<0.270	**2.46**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	3/28/2023	µg/l	<0.270	<0.270	<0.270	<0.270	**1.65**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/12/2023	µg/l	<0.270	<0.270	<0.270	<0.270	**2.46**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	4/1/2024	µg/l	<0.270	<0.270	<0.270	<0.270	**0.662**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270
	8/28/2024	µg/l	<0.270	<0.270	<0.270	<0.270	**2.20**	**0.342**	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
2-Butanone (MEK) (78-93-3)	4/23/2018	µg/l	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	**2.11**	<1.04	**2.30**	<1.04	<1.04	NR
SS = 4000	9/10/2018	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	4/9/2019	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/11/2019	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	**2.89**	<2.10	<21.0	<2.10
	4/29/2020	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/15/2020	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NA
	4/21/2021	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/14/2021	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	4/18/2022	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/12/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	3/28/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/12/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	4/1/2024	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
	8/28/2024	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Tetrachloroethene (127-18-4)	4/23/2018	µg/l	<0.180	<0.180	**242**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
MCL // SS = 5	9/10/2018	µg/l	<0.480	<0.480	**175**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	4/9/2019	µg/l	<0.480	<0.480	**108**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	9/11/2019	µg/l	<0.480	<0.480	**67.3**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<4.80	<0.480
	4/29/2020	µg/l	<0.480	<0.480	**47.9**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	9/15/2020	µg/l	<0.480	<0.480	**56.9**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NA
	4/21/2021	µg/l	<0.480	<0.480	**24.8**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	9/14/2021	µg/l	<0.480	<0.480	**28.5**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	4/18/2022	µg/l	<0.480	<0.480	**21.1**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	9/13/2022	µg/l	NA	NA	**24.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.480	<0.480	**15.3**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	9/12/2023	µg/l	<0.480	<0.480	**13.7**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	3/28/2023	µg/l	<0.480	<0.480	**15.3**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	9/12/2023	µg/l	<0.480	<0.480	**13.7**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	4/1/2024	µg/l	<0.480	<0.480	**16.6**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480
	8/28/2024	µg/l	<0.480	<0.480	**9.69**	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
1,1,1-Trichloroethane (71-55-6)	4/23/2018	µg/l	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	NR
MCL // SS = 200	9/10/2018	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	4/9/2019	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/11/2019	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<1.90	<0.190
	4/29/2020	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/15/2020	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NA
	4/21/2021	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/14/2021	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	4/18/2022	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/12/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	3/28/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/12/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	4/1/2024	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190
	8/28/2024	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR

Table 8A
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2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Trichloroethylene (79-01-6)	4/23/2018	µg/l	<0.190	<0.190	**15.4**	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
MCL // SS = 5	9/10/2018	µg/l	<0.430	<0.430	**15.0**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	4/9/2019	µg/l	<0.430	<0.430	**8.42**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/11/2019	µg/l	<0.430	<0.430	**6.69**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<4.30	<0.430
	4/29/2020	µg/l	<0.430	<0.430	**3.99**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/15/2020	µg/l	<0.430	<0.430	**4.34**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NA
	4/21/2021	µg/l	<0.430	<0.430	**1.18**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/14/2021	µg/l	<0.430	<0.430	**1.78**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	4/18/2022	µg/l	<0.430	<0.430	**1.80**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/13/2022	µg/l	NA	NA	**1.24**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.430	<0.430	**0.769**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/12/2023	µg/l	<0.430	<0.430	**1.02**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	3/28/2023	µg/l	<0.430	<0.430	**0.769**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/12/2023	µg/l	<0.430	<0.430	**1.02**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	4/1/2024	µg/l	<0.430	<0.430	**0.530**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430
	8/28/2024	µg/l	<0.430	<0.430	**0.839**	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
Vinyl Chloride (75-01-4)	4/23/2018	µg/l	<0.100	<0.100	**0.454**	<0.100	**10.4**	**0.132**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NR
MCL // SS = 2	9/10/2018	µg/l	<0.600	<0.600	<0.600	<0.600	**24.8**	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	NR
	4/9/2019	µg/l	<0.600	<0.600	<0.600	<0.600	**16.4**	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	<0.600	NR
	9/11/2019	µg/l	<0.180	<0.180	<0.180	<0.180	**5.18**	**0.258**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<1.80	<0.180
	4/29/2020	µg/l	<0.180	<0.180	<0.180	<0.180	**10.7**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	9/15/2020	µg/l	<0.180	<0.180	<0.180	<0.180	**94.3**	**0.299**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NA
	4/21/2021	µg/l	<0.180	<0.180	<0.180	<0.180	**40.9**	**0.324**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	9/14/2021	µg/l	<0.180	<0.180	<0.180	<0.180	**66.8**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	4/18/2022	µg/l	<0.180	<0.180	<0.180	<0.180	**10.4**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	9/13/2022	µg/l	NA	NA	NA	NA	**5.89**	**0.338**	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.180	<0.180	<0.180	<0.180	**8.26**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	9/12/2023	µg/l	<0.180	<0.180	<0.180	<0.180	**17.1**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	3/28/2023	µg/l	<0.180	<0.180	<0.180	<0.180	**8.26**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	9/12/2023	µg/l	<0.180	<0.180	<0.180	<0.180	**17.1**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
	4/1/2024	µg/l	<0.180	<0.180	<0.180	<0.180	**0.633**	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180
	8/28/2024	µg/l	<0.180	<0.180	<0.180	<0.180	**20.8**	<0.30200	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Naphthalene (91-20-3)	4/23/2018	µg/l	**0.0210**	<0.394	<0.389	<0.398	<0.394	<0.385	<0.407	<0.385	<0.402	<0.407	<0.402	<0.407	<0.407	NR
SS = 100	9/10/2018	µg/l	<0.377	<0.542	<0.394	<0.470	<0.394	<0.381	<0.402	<0.385	<0.407	<0.381	<0.411	<0.407	<0.416	NR
	4/9/2019	µg/l	<0.381	<0.389	<0.394	<0.373	<0.402	<0.407	<0.416	<0.407	<0.407	<0.426	<0.431	<0.407	<0.469	NR
	9/11/2019	µg/l	<0.404	<0.411	<0.392	<0.408	<0.398	<0.426	<0.404	<0.415	<0.429	<0.411	<0.433	<0.415	<0.413	<0.413
	4/29/2020	µg/l	<0.470	<0.438	<0.433	<0.488	<0.488	<0.488	<0.443	<0.488	<0.488	<0.500	<0.488	<0.494	<0.534	NR
	9/15/2020	µg/l	<3.00	<3.00	<0.476	<0.480	<0.480	<0.480	<0.448	<0.481	<0.481	<0.476	<0.476	<0.488	<0.488	NA
	4/21/2021	µg/l	<0.424	<0.476	<0.433	<0.433	<0.438	<0.406	<0.438	<0.429	<0.464	<0.459	<0.424	<0.481	<0.419	NR
	9/14/2021	µg/l	<0.217	<0.217	<0.217	<0.200	<0.208	<0.238	<0.227	<0.200	<0.200	<0.200	<0.200	<0.227	<0.227	NR
	4/18/2022	µg/l	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	<0.480	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.200	<0.200	<0.217	<0.222	<0.208	<0.217	<0.200	<0.208	<0.213	<0.200	<0.227	<0.200	<0.200	NR
	9/12/2023	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.200	<0.200	<0.217	<0.222	<0.208	<0.217	<0.200	<0.208	<0.213	<0.200	<0.227	<0.200	<0.200	NR
	9/12/2023	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	4/1/2024	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/28/2024	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
Xylenes, Total (1330-20-7)	4/23/2018	µg/l	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	**0.209**	<0.130	<0.130	<0.130	<0.130	<0.130	NR
HAL = 7000	9/10/2018	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	4/9/2019	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/11/2019	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	**23.6**	<0.400
	4/29/2020	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/15/2020	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NA
	4/21/2021	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/14/2021	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	4/18/2022	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/12/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	3/28/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/12/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	4/1/2024	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
	8/28/2024	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR

Table 8A
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2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
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Acrylonitrile (107-13-1)	4/23/2018	µg/l	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	<0.530	NR
SS = 0.32	9/10/2018	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	4/9/2019	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	9/11/2019	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<22.0	<2.20
	4/29/2020	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	9/15/2020	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NA
	4/21/2021	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	9/14/2021	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	4/18/2022	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	9/12/2023	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	3/28/2023	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	9/12/2023	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
	4/1/2024	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20
	8/28/2024	µg/l	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	<2.20	NR
Bromochloromethane (74-97-5)	4/23/2018	µg/l	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	NR
SS = 90	9/10/2018	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	4/9/2019	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	9/11/2019	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<5.40	<0.540
	4/29/2020	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	9/15/2020	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NA
	4/21/2021	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	9/14/2021	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	4/18/2022	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	9/12/2023	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	3/28/2023	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	9/12/2023	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR
	4/1/2024	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540
	8/28/2024	µg/l	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	<0.540	NR

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Bromodichloromethane (75-27-4)	4/23/2018	µg/l	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	NR
MCL // SS = 80	9/10/2018	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	4/9/2019	µg/l	<0.120	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/11/2019	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<3.90	<0.390
	4/29/2020	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/15/2020	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NA
	4/21/2021	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/14/2021	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	4/18/2022	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/12/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	3/28/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/12/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	4/1/2024	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390
	8/28/2024	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
Bromoform; Tribromomethane (75-25-2)	4/23/2018	µg/l	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	NR
MCL // SS = 80	9/10/2018	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	**0.780**	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	4/9/2019	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	9/11/2019	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<7.80	<0.780
	4/29/2020	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	9/15/2020	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NA
	4/21/2021	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	9/14/2021	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	4/18/2022	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	9/12/2023	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	3/28/2023	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	9/12/2023	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR
	4/1/2024	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780
	8/28/2024	µg/l	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Carbon disulfide (75-15-0)	4/23/2018	µg/l	<0.150	<0.150	<0.150	<0.150	**0.261**	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	**0.564**	NR
SS = 700	9/10/2018	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	4/9/2019	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/11/2019	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<4.50	<0.450
	4/29/2020	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/15/2020	µg/l	<0.450	<0.450	<0.450	<0.450	**0.570**	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NA
	4/21/2021	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/14/2021	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	4/18/2022	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/12/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	3/28/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/12/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	4/1/2024	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450
	8/28/2024	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
Carbon tetrachloride (56-23-5)	4/23/2018	µg/l	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	NR
MCL // SS = 5	9/10/2018	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	4/9/2019	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	9/11/2019	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<6.50	<0.650
	4/29/2020	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	9/15/2020	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NA
	4/21/2021	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	9/14/2021	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	4/18/2022	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	9/12/2023	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	3/28/2023	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	9/12/2023	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR
	4/1/2024	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650
	8/28/2024	µg/l	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	<0.650	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Chlorobenzene (108-90-7)	4/23/2018	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
MCL // SS = 100	9/10/2018	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	4/9/2019	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/11/2019	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<4.00	<0.400
	4/29/2020	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/15/2020	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NA
	4/21/2021	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/14/2021	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	4/18/2022	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/12/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	3/28/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	9/12/2023	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
	4/1/2024	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400
	8/28/2024	µg/l	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	NR
Chloroethane; Ethyl chloride (75-00-3)	4/23/2018	µg/l	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	NR
SS = 2800	9/10/2018	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	4/9/2019	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	9/11/2019	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<7.90	<0.790
	4/29/2020	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	9/15/2020	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NA
	4/21/2021	µg/l	<0.790	<0.790	<0.790	<0.790	**36.2**	<0.790	<0.790	**0.909**	<0.790	<0.790	**2.33**	<0.790	**0.948**	NR
	9/14/2021	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	4/18/2022	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	9/12/2023	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	3/28/2023	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	9/12/2023	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR
	4/1/2024	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790
	8/28/2024	µg/l	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	<0.790	NR

Table 8A
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2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Chloroform; Trichloromethane (67-66-3)	4/23/2018	µg/l	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	<0.280	NR
MCL // SS = 80	9/10/2018	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	4/9/2019	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	9/11/2019	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<13.0	<1.30
	4/29/2020	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	9/15/2020	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NA
	4/21/2021	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	9/14/2021	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	4/18/2022	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	9/12/2023	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	3/28/2023	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	9/12/2023	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
	4/1/2024	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30
	8/28/2024	µg/l	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	<1.30	NR
Dibromochloromethane; Chlorodibromomethane (124-48-1	4/23/2018	µg/l	<0.130	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NR
MCL // SS = 80	9/10/2018	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	4/9/2019	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	9/11/2019	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<7.50	<0.750
	4/29/2020	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	9/15/2020	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NA
	4/21/2021	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	9/14/2021	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	4/18/2022	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	9/12/2023	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	3/28/2023	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	9/12/2023	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR
	4/1/2024	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750
	8/28/2024	µg/l	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	<0.750	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
1,2-Dibromo-3-chloropropane (96-12-8)	4/23/2018	µg/l	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	NR
MCL // SS - 0.2	9/10/2018	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	4/9/2019	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	9/11/2019	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<12.0	<1.20
	4/29/2020	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	9/15/2020	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NA
	4/21/2021	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	9/14/2021	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	4/18/2022	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	9/12/2023	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	3/28/2023	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	9/12/2023	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
	4/1/2024	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
	8/28/2024	µg/l	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NR
1,2-Dibromoethane (106-93-4)	4/23/2018	µg/l	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	NR
MCL // SS = 0.05	9/10/2018	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	4/9/2019	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	9/11/2019	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<3.40	<0.340
	4/29/2020	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	9/15/2020	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NA
	4/21/2021	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	9/14/2021	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	4/18/2022	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	9/12/2023	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	3/28/2023	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	9/12/2023	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR
	4/1/2024	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340
	8/28/2024	µg/l	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	<0.340	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
o-Dichlorobenzene; 1,2-Dichlorobenzene (95-50-1)	4/23/2018	µg/l	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	NR
MCL // SS = 600	9/10/2018	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/9/2019	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/11/2019	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<3.70	<0.370
	4/29/2020	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/15/2020	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NA
	4/21/2021	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/14/2021	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/18/2022	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/12/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	3/28/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/12/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/1/2024	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370
	8/28/2024	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
p-Dichlorobenzene; 1,4-Dichlorobenzene (106-46-7)	4/23/2018	µg/l	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NR
MCL // SS = 75	9/10/2018	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	4/9/2019	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	9/11/2019	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<2.30	<0.230
	4/29/2020	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	9/15/2020	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NA
	4/21/2021	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	9/14/2021	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	4/18/2022	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	9/12/2023	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	3/28/2023	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	9/12/2023	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR
	4/1/2024	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230
	8/28/2024	µg/l	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	<0.230	NR

Table 8A
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2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
trans-1,4-Dichloro-2-butene (110-57-6)	4/23/2018	µg/l	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	NR
SS = 1.8	9/10/2018	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	4/9/2019	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/11/2019	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<11.0	<1.10
	4/29/2020	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/15/2020	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NA
	4/21/2021	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/14/2021	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	4/18/2022	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/12/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	3/28/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/12/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	4/1/2024	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
	8/28/2024	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
1,1-Dichloroethene (75-35-4)	4/23/2018	µg/l	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	NR
MCL // SS = 7	9/10/2018	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	4/9/2019	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/11/2019	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<5.60	<0.560
	4/29/2020	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/15/2020	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NA
	4/21/2021	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/14/2021	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	4/18/2022	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/12/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	3/28/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/12/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	4/1/2024	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560
	8/28/2024	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
1,2-Dichloroethane (107-06-2)	4/23/2018	µg/l	<0.180	<0.180	**0.180**	<0.180	<0.180	<0.180	<0.180	<0.180	**0.185**	<0.180	<0.180	<0.180	<0.180	NR
MCL // SS = 5	9/10/2018	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	4/9/2019	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/11/2019	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<3.90	<0.390
	4/29/2020	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/15/2020	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NA
	4/21/2021	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	**1.64**	<0.390	<0.390	<0.390	NR
	9/14/2021	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	4/18/2022	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/12/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	3/28/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	9/12/2023	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
	4/1/2024	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390
	8/28/2024	µg/l	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	<0.390	NR
cis-1,3-Dichloropropene (10061-01-5)	4/23/2018	µg/l	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	NR
SS = 1.8	9/10/2018	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	4/9/2019	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	9/11/2019	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<2.50	<0.250
	4/29/2020	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	9/15/2020	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NA
	4/21/2021	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	9/14/2021	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	4/18/2022	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	9/12/2023	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	3/28/2023	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	9/12/2023	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR
	4/1/2024	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
	8/28/2024	µg/l	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
trans-1,3-Dichloropropene (10061-02-6)	4/23/2018	µg/l	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
SS = 1.8	9/10/2018	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	4/9/2019	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/11/2019	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<5.60	<0.560
	4/29/2020	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/15/2020	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NA
	4/21/2021	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/14/2021	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	4/18/2022	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/12/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	3/28/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	9/12/2023	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
	4/1/2024	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560
	8/28/2024	µg/l	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	<0.560	NR
1,2-Dichloropropane (78-87-5)	4/23/2018	µg/l	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	<0.870	NR
MCL // SS = 5	9/10/2018	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	4/9/2019	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/11/2019	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<2.70	<0.270
	4/29/2020	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/15/2020	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NA
	4/21/2021	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/14/2021	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	4/18/2022	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/12/2023	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	3/28/2023	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	9/12/2023	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR
	4/1/2024	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270
	8/28/2024	µg/l	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	<0.270	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
2-Hexanone; Methyl butyl (591-78-6)	4/23/2018	µg/l	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	**0.341**	<0.200	<0.200	NR
MCL // SS = NA	9/10/2018	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	4/9/2019	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	9/11/2019	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<20.0	<2.00
	4/29/2020	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	9/15/2020	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NA
	4/21/2021	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	9/14/2021	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	4/18/2022	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	9/12/2023	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	3/28/2023	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	9/12/2023	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
	4/1/2024	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00
	8/28/2024	µg/l	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	NR
Ethylbenzene (100-41-4)	4/23/2018	µg/l	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
MCL // SS = 700	9/10/2018	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	4/9/2019	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	9/11/2019	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	**5.42**	<0.310
	4/29/2020	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	9/15/2020	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NA
	4/21/2021	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	9/14/2021	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	4/18/2022	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	9/12/2023	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	3/28/2023	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	9/12/2023	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
	4/1/2024	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310
	8/28/2024	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Chloromethane (74-87-3)	4/23/2018	µg/l	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	<0.310	NR
MCL // SS = NA	9/10/2018	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	4/9/2019	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	9/11/2019	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<6.10	<0.610
	4/29/2020	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	9/15/2020	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NA
	4/21/2021	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	9/14/2021	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	4/18/2022	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	9/12/2023	µg/l	<0.610	<0.610	<0.610	<0.610	**0.840**	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	3/28/2023	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	9/12/2023	µg/l	<0.610	<0.610	<0.610	<0.610	**0.840**	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
	4/1/2024	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610
	8/28/2024	µg/l	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	<0.610	NR
Methyl bromide; Bromomethane (74-83-9)	4/23/2018	µg/l	**0.460**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
SS = 10	9/10/2018	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	4/9/2019	µg/l	<1.10	<1.10	<1.10	<1.10	**1.62**	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/11/2019	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<11.0	<1.10
	4/29/2020	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/15/2020	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NA
	4/21/2021	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/14/2021	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	4/18/2022	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/12/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	3/28/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	9/12/2023	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR
	4/1/2024	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10
	8/28/2024	µg/l	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	<1.10	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Dibromomethane (74-95-3)	4/23/2018	µg/l	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	<0.180	NR
SS = 70	9/10/2018	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	4/9/2019	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	9/11/2019	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<3.30	<0.330
	4/29/2020	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	9/15/2020	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NA
	4/21/2021	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	9/14/2021	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	4/18/2022	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	9/12/2023	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	3/28/2023	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	9/12/2023	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
	4/1/2024	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330
	8/28/2024	µg/l	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	NR
Methylene chloride (75-09-2)	4/23/2018	µg/l	**0.449**	**0.339**	**0.430**	**0.517**	**0.630**	**0.240**	**0.253**	**0.640**	**0.902**	**0.505**	**0.506**	**0.436**	**0.783**	NR
MCL // SS = 5	9/10/2018	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	4/9/2019	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	9/11/2019	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<17.0	<1.70
	4/29/2020	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	9/15/2020	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NA
	4/21/2021	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	9/14/2021	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	4/18/2022	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	9/12/2023	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	3/28/2023	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	9/12/2023	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR
	4/1/2024	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
	8/28/2024	µg/l	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	NR

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4-Methyl-2-pentanone (MIBK) (108-10-1)	4/23/2018	µg/l	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NR
SS = 560	9/10/2018	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	4/9/2019	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/11/2019	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<21.0	<2.10
	4/29/2020	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/15/2020	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NA
	4/21/2021	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/14/2021	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	4/18/2022	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/12/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	3/28/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	9/12/2023	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
	4/1/2024	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10
	8/28/2024	µg/l	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	<2.10	NR
Methyl iodide; Iodomethane (74-88-4)	4/23/2018	µg/l	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	<0.800	NR
MCL // SS = NA	9/10/2018	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	4/9/2019	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	9/11/2019	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<70.0	<7.00
	4/29/2020	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	9/15/2020	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NA
	4/21/2021	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	9/14/2021	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	4/18/2022	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	9/12/2023	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	3/28/2023	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	9/12/2023	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR
	4/1/2024	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00
	8/28/2024	µg/l	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	<7.00	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Styrene (100-42-5)	4/23/2018	µg/l	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NR
MCL // SS = 100	9/10/2018	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/9/2019	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/11/2019	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<3.70	<0.370
	4/29/2020	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/15/2020	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NA
	4/21/2021	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/14/2021	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/18/2022	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/12/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	3/28/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	9/12/2023	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
	4/1/2024	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370
	8/28/2024	µg/l	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	<0.370	NR
1,1,1,2-Tetrachloroethane (630-20-6)	4/23/2018	µg/l	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	NR
SS = 70	9/10/2018	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	4/9/2019	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/11/2019	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<3.80	<0.380
	4/29/2020	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/15/2020	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NA
	4/21/2021	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/14/2021	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	4/18/2022	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/12/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	3/28/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/12/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	4/1/2024	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380
	8/28/2024	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
1,1,2,2-Tetrachloroethane (79-34-5)	4/23/2018	µg/l	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NR
SS = 0.3	9/10/2018	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	4/9/2019	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	9/11/2019	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<4.70	<0.470
	4/29/2020	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	9/15/2020	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NA
	4/21/2021	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	9/14/2021	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	4/18/2022	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	9/12/2023	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	3/28/2023	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	9/12/2023	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
	4/1/2024	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470
	8/28/2024	µg/l	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	<0.470	NR
Toluene (108-88-3)	4/23/2018	µg/l	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	NR
MCL = 1000	9/10/2018	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	4/9/2019	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/11/2019	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	**34.9**	<0.430
	4/29/2020	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/15/2020	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NA
	4/21/2021	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/14/2021	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	4/18/2022	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/12/2023	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	3/28/2023	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	9/12/2023	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR
	4/1/2024	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430
	8/28/2024	µg/l	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	<0.430	NR

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2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
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Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
1,1,1-Trichloroethane (71-55-6)	4/23/2018	µg/l	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	NR
MCL // SS = 200	9/10/2018	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	4/9/2019	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/11/2019	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<1.90	<0.190
	4/29/2020	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/15/2020	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NA
	4/21/2021	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/14/2021	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	4/18/2022	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/12/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	3/28/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	9/12/2023	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
	4/1/2024	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190
	8/28/2024	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
1,1,2-Trichloroethane (79-00-5)	4/23/2018	µg/l	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	NR
MCL// SS = 5	9/10/2018	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	4/9/2019	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/11/2019	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<4.50	<0.450
	4/29/2020	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/15/2020	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NA
	4/21/2021	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/14/2021	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	4/18/2022	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/12/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	3/28/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	9/12/2023	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR
	4/1/2024	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450
	8/28/2024	µg/l	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	<0.450	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Trichlorofluoromethane (75-69-4)	4/23/2018	µg/l	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	<0.170	NR
SS = 2000	9/10/2018	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	4/9/2019	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/11/2019	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<3.80	<0.380
	4/29/2020	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/15/2020	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NA
	4/21/2021	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/14/2021	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	4/18/2022	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/12/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	3/28/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	9/12/2023	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
	4/1/2024	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380
	8/28/2024	µg/l	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	NR
1,2,3-Trichloropropane (96-18-4)	4/23/2018	µg/l	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
SS = .0058	9/10/2018	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	4/9/2019	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	9/11/2019	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<5.90	<0.590
	4/29/2020	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	9/15/2020	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NA
	4/21/2021	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	9/14/2021	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	4/18/2022	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	9/12/2023	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	3/28/2023	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	9/12/2023	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR
	4/1/2024	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590
	8/28/2024	µg/l	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	NR

Table 8A
Analytical Data Summary
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Constituent (CAS #)	Sample Date	Units	MW-7 Bkgrnd	MW-8 Bkgrnd	MW-11 DwnGrad	MW-12 DwnGrad	MW-13 DwnGrad	MW-16 DwnGrad	MW-17 DwnGrad	MW-44 DwnGrad	MW-45 DwnGrad	MW-46 DwnGrad	MW-47 DwnGrad	MW-48 DwnGrad	MW-49 DwnGrad	SW-01 SW
Vinyl acetate (108-05-4)	4/23/2018	µg/l	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	<0.740	NR
MCL // SS = NA	9/10/2018	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	4/9/2019	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	9/11/2019	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<25.0	<2.50
	4/29/2020	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	9/15/2020	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NA
	4/21/2021	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	9/14/2021	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	4/18/2022	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	9/12/2023	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	3/28/2023	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	9/12/2023	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
	4/1/2024	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
	8/28/2024	µg/l	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	NR
Isopropylbenzene (98-82-8)	4/23/2018	µg/l	<0.190	<0.190	<0.190	<0.190	**0.216**	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	NR
SS = 700	9/10/2018	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	4/9/2019	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	9/11/2019	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<3.50	<0.350
	4/29/2020	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	9/15/2020	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NA
	4/21/2021	µg/l	<0.350	<0.350	<0.350	<0.350	**0.581**	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	9/14/2021	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	4/18/2022	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	9/13/2022	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NR
	3/28/2023	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	9/12/2023	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	3/28/2023	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	9/12/2023	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR
	4/1/2024	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350
	8/28/2024	µg/l	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	<0.350	NR

NA = Not Applicable/No Data
NR = Not Reported
Bold = Detected Constituent
<0.190 = Result is Lower Than Laboratory Reporting Limit

Table 8B – 2024 Analytical Results

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW-7						MW - 8					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Field Readings																				
pH	s.u	NA	6.5 - 8.5	NA	NA	NA	NR	NA	6.64	NA	NA	7.39	NA	NA	6.75	NA	NA	7.63	NA	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	NR	NA	2,297.0	NA	NA	1,300.4	NA	NA	427.57	NA	NA	382.50	NA	NA
Volatile Organic Compounds (VOCs)																				
1,4-Dioxane	ug/L	NA	NA	1000	200	1000	NA	NA	NA	100	34.0	<34.0	100	34.0	NA	100	34.0	<34.0	100	34.0
Acetone	ug/L	NA	NA	NA	6300	32000	49	<10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10
Benzene	ug/L	5	NA	100	5	64	<5	0.728	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220
n-Butylbenzene	ug/L	NA	NA	NA	350	1800	NR	3.66	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	3.00	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420
1,1-Dichloroethane	ug/L	NA	NA	NA	140	700	69	13.1	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	6.46	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
cis-1,2-Dichloroethene	ug/L	70	NA	70	70	350	16	15	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210
trans-1,2-Dichloroethene	ug/L	100	NA	100	100	700	NR	1.14	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Butanone (MEK)	ug/L	NA	NA	20000	4000	21000	23	<10.0	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Tetrachloroethene	ug/L	5	NA	500	5	1700	NR	<1.00	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480
1,1,1-Trichloroethane	ug/L	200	NA	70000	200	70000	61	<1.00	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190
Trichloroethylene	ug/L	5	NA	200	5	76	<5	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Vinyl Chloride	ug/L	2	NA	100	2	10	<5	22.5	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180
Naphthalene	ug/L	NA	NA	700	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	10000	NA	7000	10000	50000	25	<3.00	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400
Acrylonitrile	ug/L	NA	NA	NA	0.32	6.5	NA	NA	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20
Bromochloromethane	ug/L	NA	NA	500	90	450	NA	<5.00	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540
Bromodichloromethane	ug/L	80	NA	100	80	400	NA	<0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
Bromoform	ug/L	80	NA	1000	80	440	NA	<5.00	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780
Carbon disulfide	ug/L	NA	NA	NA	700	3500	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Carbon tetrachloride	ug/L	5	NA	100	5	50	<5	<2.00	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650
Chlorobenzene	ug/L	100	NA	700	100	700	NA	<1.00	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400
Chloroethane	ug/L	NA	NA	NA	2800	14000	NA	<4.00	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790
Chloroform	ug/L	80	NA	350	80	NA	NA	<1.00	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30
Chlorodibromomethane	ug/L	80	NA	700	80	400	NA	<5.00	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750
1,2-Dibromo-3-Chloropropan	ug/L	0.2	NA	NA	0.2	2.9	NA	<10.0	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20
1,2-Dibromoethane (EDB)	ug/L	0.05	NA	300	0.05	1.8	NA	<10.0	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340
1,2-Dichlorobenzene	ug/L	600	NA	3000	600	3200	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,4-Dichlorobenzene	ug/L	75	NA	4000	75	650	<4	<1.00	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	1.8	35	NA	NA	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10
1,2-Dichloroethane	ug/L	5	NA	NA	5	38	NA	<1.00	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
1,1-Dichloroethene	ug/L	7	NA	2000	7	180	<5	<2.00	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560
trans-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560
cis-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250
1,2-Dichloropropane	ug/L	5	NA	NA	5	60	NA	<1.00	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00
Ethylbenzene	ug/L	700	NA	3000	700	3500	NA	<1.00	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310
Chloromethane		NA	NA	NA	NA	NA	NA		<0.610			<0.610			<0.610			<0.610		
Bromomethane	ug/L	NA	NA	50	10	50	NA	<4.00	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10
Dibromomethane	ug/L	NA	NA	NA	70	350	NA	<1.00	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330
Methylene Chloride	ug/L	5	NA	2000	5	1800	NA	<5.00	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70
4-Methyl-2-pentanone (MIBK	ug/L	NA	NA	NA	560	2800	NA	NA	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Iodomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00
Styrene	ug/L	100	NA		100	NA	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	1000	70	350	NA	<1.00	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	400	0.3	18	NA	<1.00	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470
1,1,2-Trichloroethane	ug/L	5	NA	100	5	61	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Toluene	ug/L	1000	NA	3000	1000	5000	6	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Trichlorofluoromethane	ug/L	NA	NA	10000	2000	10000	NA	<4.00	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380
1,2,3-Trichloropropane	ug/L	NA	NA	100	0.0058	0.12	NA	<1.00	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50
Isopropylbenzene	ug/L	NA	NA	4000	700	3500	NA	<1.00	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350
General Chemistry																				
BOD	mg/L	NA	NA	NA	NA	NA	80	<12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	30	170	25	8.47	<0.100	0.200	0.100	<0.100	0.200	0.100	<0.100	0.200	0.100	<0.100	0.200	0.100
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	270	83.8	<4.80	5.00	4.80	9.68	5.00	4.80	<4.80	5.00	4.80	6.49	5.00	4.80
Phenols	mg/L	NA	NA	11	2	10	0.14	0.0353	<0.0100	NA	NA	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	7200	5960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	500	NA	NA	NA	4000	4360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	2400	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NR	NA	0.0765	NA	NA	NA	NA	NA	0.0606	NA	NA	NA	NA	NA

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW-7						MW - 8					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Anions																				
Chloride	mg/L	NA	250	NA	NA	NA	340	1380	9.87	5.00	2.25	11.0	5.00	2.25	6.61	5.00	2.25	6.50	5.00	2.25
Sulfide	mg/L	NA	NA	NA	NA	NA	0.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	4	2	NA	4	20	NA	NA	0.527	0.500	0.220	0.619	0.500	0.220	0.591	0.500	0.220	0.598	0.500	0.220
Fluoride - total	mg/L	4	2	NA	4	20	120	71	0.657	0.500	0.220	0.590	0.500	0.220	0.599	0.500	0.220	0.629	0.500	0.220
Nitrate N	mg/L	10	NA	NA	10	56	<1.00	0.133	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite N	mg/L	1	NA	NA	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	250	500	NA	NA	1100	1280	922	50.0	21.0	1090	50.0	21.0	39.8	50.0	21.0	43.3	5.00	2.10
Bromate	mg/L	0.01	NA	0.14	0.01	0.05	1.8[(1)]	1.28[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	mg/L	NA	NA	NA	24	119	35	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Boron Total	mg/L	NA	NA	7	6	30	260	184	1.18	0.200	0.0610	1.13	0.200	0.0610	<0.0760	0.200	0.0610	<0.0610	0.200	0.0610
Lithium Total	mg/L	NA	NA	NA	0.014	0.07	NA	NA	0.0983	0.0500	0.0240	0.0910	0.0500	0.0240	0.0136	0.0500	0.0240	<0.0240	0.0500	0.0240
Iron - dissolved	mg/L	NA	0.3	NA	NA	NA	NA	NA	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360
Iron Total	mg/L	NA	0.3	NA	NA	NA	120	3.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum Total	mg/L	NA	0.05 - 0.2	NA	NA	NA	43	0.711	<0.0210	0.0500	0.0170	<0.0170	0.0500	0.0170	<0.0210	0.0500	0.0170	0.0172	0.0500	0.0170
Antimony Total	mg/L	0.006	NA	0.01	0.006	0.03	NA	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic Total	mg/L	0.01	NA	0.01	0.01	0.05	<0.01	<0.005	<0.000530	0.00200	0.000750	<0.000530	0.00200	0.000750	<0.000530	0.00200	0.000750	<0.000530	0.00200	0.000750
Barium Total	mg/L	2	NA	7	2	10	0.95	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium Total	mg/L	0.004	NA	0.07	0.004	0.07	NR	0.00889	<0.000330	0.00100	0.000330	<0.000330	0.00100	0.000330	<0.000330	0.00100	0.000330	<0.000330	0.00100	0.000330
Cadmium Total	mg/L	0.005	NA	0.02	0.005	NA	<0.02	0.000732	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.1	NA	0.1	0.1	0.5	0.11	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	0.1	NA	0.1	0.021	0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - Tri	mg/L	0.1	NA	0.1	10	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt Total	mg/L	NA	NA	NA	0.0021	0.01	NR	0.00137	<0.000170	0.000500	0.000202	<0.000170	0.000500	0.000202	<0.000170	0.000500	0.000202	<0.000170	0.000500	0.0000910
Copper Total	mg/L	1.3	1	NA	1.3	6.6	<0.05	0.0912	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead Total	mg/L	0.015	NA	NA	0.015	0.075	<0.1	0.00387	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	300	640	79.4	0.500	0.150	80.9	0.500	0.150	14.0	0.500	0.150	13.6	0.500	0.150
Manganese Total	mg/L	NA	0.05	1.6	0.3	4.9	6	6.41	0.00747	0.0100	0.00360	0.0117	0.0100	0.00360	0.00391	0.0100	0.00360	<0.00360	0.0100	0.00360
Molybdenum Total	mg/L	NA	NA	0.2	0.04	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	0.7	0.1	0.7	0.14	0.0158	<0.00210	0.00500	0.00190	<0.00190	0.00500	0.00190	<0.00210	0.00500	0.00190	<0.00190	0.00500	0.00190
Silver Total	mg/L	NA	0.1	0.2	0.1	0.5	0.01	0.0005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Strontium Total	mg/L	NA	NA	20	4	21	NA	NA	1.37	0.00100	0.000530	1.30	0.00100	0.000530	0.153	0.00100	0.000530	0.158	0.00100	0.000530
Thallium Total	mg/L	0.002	NA	NA	0.002	0.01	NA	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium Total	mg/L	NA	NA	NA	0.035	0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	5	10	2	10	0.97	0.307	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

(1) Result for Bromide, not Bromate.
* = LCS or LCSD is outside acceptance limits
B = Compound was found in the blank and sample.
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD RPD exceeds control limits
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Legend:
NA = Sample not analyzed for parameter or data not available.
Notes:
NR = Not reported.

	Nondetect or reported value does not exceed any standard.
	Reported value exceeds one or more standards.
	RL or MDL does not exceed any standard.
	RL or MDL exceeds one or more standards.
	No data, or no standards for comparison.
	Lowest Standard

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 11						MW - 12					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Field Readings																				
pH	s.u	NA	6.5 - 8.5	NA	NA	NA	NR	NA	6.29	NA	NA	6.81	NA	NA	7.10	NA	NA	7.25	NA	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	NR	NA	1,515.8	NA	NA	3,161.4	NA	NA	2,913.8	NA	NA	3,417.3	NA	NA
Volatile Organic Compounds (VOCs)																				
1,4-Dioxane	ug/L	NA	NA	1000	200	1000	NA	NA	<34.0	100	34.0	<34.0	100	34.0	NA	100	34.0	<34.0	100	34.0
Acetone	ug/L	NA	NA	NA	6300	32000	49	<10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10
Benzene	ug/L	5	NA	100	5	64	<5	0.728	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.200
n-Butylbenzene	ug/L	NA	NA	NA	350	1800	NR	3.66	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	3.00	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420
1,1-Dichloroethane	ug/L	NA	NA	NA	140	700	69	13.1	<0.220	1.00	0.220	<0.220	1.00	0.220	0.445	1.00	0.220	0.460	1.00	0.220
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	6.46	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
cis-1,2-Dichloroethene	ug/L	70	NA	70	70	350	16	15	2.49	1.00	0.210	0.328	1.00	0.210	0.556	1.00	0.210	<0.210	1.00	0.210
trans-1,2-Dichloroethene	ug/L	100	NA	100	100	700	NR	1.14	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Butanone (MEK)	ug/L	NA	NA	20000	4000	21000	23	<10.0	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Tetrachloroethene	ug/L	5	NA	500	5	1700	NR	<1.00	9.69	1.00	0.480	16.6	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480
1,1,1-Trichloroethane	ug/L	200	NA	70000	200	70000	61	<1.00	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190
Trichloroethylene	ug/L	5	NA	200	5	76	<5	<1.00	0.839	1.00	0.430	0.530	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Vinyl Chloride	ug/L	2	NA	100	2	10	<5	22.5	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180
Naphthalene	ug/L	NA	NA	700	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	10000	NA	7000	10000	50000	25	<3.00	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400
Acrylonitrile	ug/L	NA	NA	NA	0.32	6.5	NA	NA	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20
Bromochloromethane	ug/L	NA	NA	500	90	450	NA	<5.00	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540
Bromodichloromethane	ug/L	80	NA	100	80	400	NA	<0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
Bromoform	ug/L	80	NA	1000	80	440	NA	<5.00	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780
Carbon disulfide	ug/L	NA	NA	NA	700	3500	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Carbon tetrachloride	ug/L	5	NA	100	5	50	<5	<2.00	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650
Chlorobenzene	ug/L	100	NA	700	100	700	NA	<1.00	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400
Chloroethane	ug/L	NA	NA	NA	2800	14000	NA	<4.00	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790
Chloroform	ug/L	80	NA	350	80	NA	NA	<1.00	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30
Chlorodibromomethane	ug/L	80	NA	700	80	400	NA	<5.00	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750
1,2-Dibromo-3-Chloropropan	ug/L	0.2	NA	NA	0.2	2.9	NA	<10.0	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20
1,2-Dibromoethane (EDB)	ug/L	0.05	NA	300	0.05	1.8	NA	<10.0	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340
1,2-Dichlorobenzene	ug/L	600	NA	3000	600	3200	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,4-Dichlorobenzene	ug/L	75	NA	4000	75	650	<4	<1.00	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	1.8	35	NA	NA	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10
1,2-Dichloroethane	ug/L	5	NA	NA	5	38	NA	<1.00	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
1,1-Dichloroethene	ug/L	7	NA	2000	7	180	<5	<2.00	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560
trans-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560
cis-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250
1,2-Dichloropropane	ug/L	5	NA	NA	5	60	NA	<1.00	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00
Ethylbenzene	ug/L	700	NA	3000	700	3500	NA	<1.00	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310
Chloromethane		NA	NA	NA	NA	NA	NA		<0.610			<0.610			<0.610			<0.610		
Bromomethane	ug/L	NA	NA	50	10	50	NA	<4.00	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10
Dibromomethane	ug/L	NA	NA	NA	70	350	NA	<1.00	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330
Methylene Chloride	ug/L	5	NA	2000	5	1800	NA	<5.00	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70
4-Methyl-2-pentanone (MIBK	ug/L	NA	NA	NA	560	2800	NA	NA	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Iodomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00
Styrene	ug/L	100	NA		100	NA	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	1000	70	350	NA	<1.00	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	400	0.3	18	NA	<1.00	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470
1,1,2-Trichloroethane	ug/L	5	NA	100	5	61	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Toluene	ug/L	1000	NA	3000	1000	5000	6	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Trichlorofluoromethane	ug/L	NA	NA	10000	2000	10000	NA	<4.00	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380
1,2,3-Trichloropropane	ug/L	NA	NA	100	0.0058	0.12	NA	<1.00	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50
Isopropylbenzene	ug/L	NA	NA	4000	700	3500	NA	<1.00	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350
General Chemistry																				
BOD	mg/L	NA	NA	NA	NA	NA	80	<12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	30	170	25	8.47	<0.100	0.200	0.100	<0.100	0.200	0.100	1.23	0.200	0.100	1.13	0.200	0.100
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	270	83.8	13.1	5.00	4.80	17.0	5.00	4.80	8.77	5.00	4.80	14.1	5.00	4.80
Phenols	mg/L	NA	NA	11	2	10	0.14	0.0353	<0.0100	NA	NA	NA	NA	NA	<0.0106	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	7200	5960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	500	NA	NA	NA	4000	4360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	2400	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NR	NA	0.205	NA	NA	NA	NA	NA	0.0953	NA	NA	NA	NA	NA

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 11						MW - 12					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Anions																				
Chloride	mg/L	NA	250	NA	NA	NA	340	1380	240	5.00	2.25	1020	5.00	2.25	147	5.00	2.25	162	5.00	2.25
Sulfide	mg/L	NA	NA	NA	NA	NA	0.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	4	2	NA	4	20	NA	NA	18.9	0.500	0.220	11.6	0.500	0.220	<0.375	0.500	0.220	<0.375	0.500	0.220
Fluoride - total	mg/L	4	2	NA	4	20	120	71	18.2	0.500	0.220	11.5	0.500	0.220	<0.375	0.500	0.220	<0.375	0.500	0.220
Nitrate N	mg/L	10	NA	NA	10	56	<1.00	0.133	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite N	mg/L	1	NA	NA	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	250	500	NA	NA	1100	1280	35.7	50.0	21.0	29.0	5.00	2.10	1840	50.0	21.0	1950	50.0	21.0
Bromate	mg/L	0.01	NA	0.14	0.01	0.05	1.8(1)	1.28(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	mg/L	NA	NA	NA	24	119	35	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Boron Total	mg/L	NA	NA	7	6	30	260	184	2.24	0.200	0.0610	2.05	0.200	0.610	16.3	0.200	0.0610	16.8	0.200	0.0610
Lithium Total	mg/L	NA	NA	NA	0.014	0.07	NA	NA	0.00516	0.0500	0.0240	<0.0240	0.0500	0.0240	0.118	0.0500	0.0240	0.115	0.0500	0.0240
Iron - dissolved	mg/L	NA	0.3	NA	NA	NA	NA	NA	0.0391	0.100	0.0360	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360
Iron Total	mg/L	NA	0.3	NA	NA	NA	120	3.45	0.0525	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum Total	mg/L	NA	0.05 - 0.2	NA	NA	NA	43	0.711	0.329	0.0500	0.0170	0.285	0.0500	0.0170	<0.0840	0.0500	0.0170	<0.0680	0.0500	0.0170
Antimony Total	mg/L	0.006	NA	0.01	0.006	0.03	NA	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic Total	mg/L	0.01	NA	0.01	0.01	0.05	<0.01	<0.005	<0.000530	0.00200	0.000750	<0.000530	0.00200	0.000750	<0.000530	0.00200	0.000750	<0.00212	0.00200	0.000750
Barium Total	mg/L	2	NA	7	2	10	0.95	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium Total	mg/L	0.004	NA	0.07	0.004	0.07	NR	0.00889	0.000619	0.00100	0.000330	0.000357	0.00100	0.000330	<0.00132	0.00100	0.000330	<0.00132	0.00400	0.00132
Cadmium Total	mg/L	0.005	NA	0.02	0.005	NA	<0.02	0.000732	0.000132	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.1	NA	0.1	0.1	0.5	0.11	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	0.1	NA	0.1	0.021	0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - Tri	mg/L	0.1	NA	0.1	10	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt Total	mg/L	NA	NA	NA	0.0021	0.01	NR	0.00137	<0.000170	0.000500	0.000202	<0.000170	0.000500	0.0000910	0.00147	0.000500	0.000202	0.00140	0.00500	0.000190
Copper Total	mg/L	1.3	1	NA	1.3	6.6	<0.05	0.0912	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead Total	mg/L	0.015	NA	NA	0.015	0.075	<0.1	0.00387	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	300	640	14.0	0.500	0.150	50.5	0.500	0.150	150	0.500	0.150	164	2.00	0.600
Manganese Total	mg/L	NA	0.05	1.6	0.3	4.9	6	6.41	0.105	0.0100	0.00360	0.0725	0.0100	0.00360	3.34	0.0100	0.00360	3.53	0.0400	0.0144
Molybdenum Total	mg/L	NA	NA	0.2	0.04	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	0.7	0.1	0.7	0.14	0.0158	<0.00210	0.00500	0.00190	0.00311	0.00500	0.00190	<0.00840	0.00500	0.00190	0.0163	0.0200	0.00760
Silver Total	mg/L	NA	0.1	0.2	0.1	0.5	0.01	0.0005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Strontium Total	mg/L	NA	NA	20	4	21	NA	NA	0.196	0.00100	0.000530	0.630	0.00100	0.000530	2.88	0.00100	0.000530	2.82	0.00400	0.00212
Thallium Total	mg/L	0.002	NA	NA	0.002	0.01	NA	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium Total	mg/L	NA	NA	NA	0.035	0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	5	10	2	10	0.97	0.307	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

(1) Result for Bromide, not Bromate.
* = LCS or LCSD is outside acceptance limits
B = Compound was found in the blank and sample.
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD RPD exceeds control limits
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Legend:
NA = Sample not analyzed for parameter or data not available.
Notes:
NR = Not reported.

	Nondetect or reported value does not exceed any standard.
	Reported value exceeds one or more standards.
	RL or MDL does not exceed any standard.
	RL or MDL exceeds one or more standards.
	No data, or no standards for comparison.
	Lowest Standard

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 13						MW - 16					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Field Readings																				
pH	s.u	NA	6.5 - 8.5	NA	NA	NA	NR	NA	6.00	NA	NA	6.90	NA	NA	6.14	NA	NA	6.2	NA	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	NR	NA	6,842.1	NA	NA	5,308.2	NA	NA	2,962.6	NA	NA	3,383.5	NA	NA
Volatile Organic Compounds (VOCs)																				
1,4-Dioxane	ug/L	NA	NA	1000	200	1000	NA	NA	NA	100	34.0	<34.0	100	34.0	NA	100	34.0	<34.0	100	34.0
Acetone	ug/L	NA	NA	NA	6300	32000	49	<10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10
Benzene	ug/L	5	NA	100	5	64	<5	0.728	0.721	0.500	0.200	0.320	0.500	0.200	<0.220	0.500	0.220	<0.220	0.500	0.220
n-Butylbenzene	ug/L	NA	NA	NA	350	1800	NR	3.66	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	3.00	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420
1,1-Dichloroethane	ug/L	NA	NA	NA	140	700	69	13.1	18.0	1.00	0.220	10.6	1.00	0.220	0.488	1.00	0.220	0.607	1.00	0.220
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	6.46	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
cis-1,2-Dichloroethene	ug/L	70	NA	70	70	350	16	15	4.68	1.00	0.210	<0.210	1.00	0.210	22.0	1.00	0.210	29.9	1.00	0.210
trans-1,2-Dichloroethene	ug/L	100	NA	100	100	700	NR	1.14	2.20	1.00	0.270	0.662	1.00	0.270	0.342	1.00	0.270	<0.270	1.00	0.270
2-Butanone (MEK)	ug/L	NA	NA	20000	4000	21000	23	<10.0	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Tetrachloroethene	ug/L	5	NA	500	5	1700	NR	<1.00	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480
1,1,1-Trichloroethane	ug/L	200	NA	70000	200	70000	61	<1.00	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190
Trichloroethylene	ug/L	5	NA	200	5	76	<5	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Vinyl Chloride	ug/L	2	NA	100	2	10	<5	22.5	20.8	1.00	0.180	0.633	1.00	0.180	0.302	1.00	0.180	<0.180	1.00	0.180
Naphthalene	ug/L	NA	NA	700	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	10000	NA	7000	10000	50000	25	<3.00	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400
Acrylonitrile	ug/L	NA	NA	NA	0.32	6.5	NA	NA	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20
Bromochloromethane	ug/L	NA	NA	500	90	450	NA	<5.00	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540
Bromodichloromethane	ug/L	80	NA	100	80	400	NA	<0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
Bromoform	ug/L	80	NA	1000	80	440	NA	<5.00	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780
Carbon disulfide	ug/L	NA	NA	NA	700	3500	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Carbon tetrachloride	ug/L	5	NA	100	5	50	<5	<2.00	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650
Chlorobenzene	ug/L	100	NA	700	100	700	NA	<1.00	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400
Chloroethane	ug/L	NA	NA	NA	2800	14000	NA	<4.00	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790
Chloroform	ug/L	80	NA	350	80	NA	NA	<1.00	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30
Chlorodibromomethane	ug/L	80	NA	700	80	400	NA	<5.00	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750
1,2-Dibromo-3-Chloropropan	ug/L	0.2	NA	NA	0.2	2.9	NA	<10.0	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20
1,2-Dibromoethane (EDB)	ug/L	0.05	NA	300	0.05	1.8	NA	<10.0	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340
1,2-Dichlorobenzene	ug/L	600	NA	3000	600	3200	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,4-Dichlorobenzene	ug/L	75	NA	4000	75	650	<4	<1.00	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	1.8	35	NA	NA	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10
1,2-Dichloroethane	ug/L	5	NA	NA	5	38	NA	<1.00	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
1,1-Dichloroethene	ug/L	7	NA	2000	7	180	<5	<2.00	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560
trans-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560
cis-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250
1,2-Dichloropropane	ug/L	5	NA	NA	5	60	NA	<1.00	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00
Ethylbenzene	ug/L	700	NA	3000	700	3500	NA	<1.00	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310
Chloromethane		NA	NA	NA	NA	NA	NA		<0.610			<0.610			<0.610			<0.610		
Bromomethane	ug/L	NA	NA	50	10	50	NA	<4.00	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10
Dibromomethane	ug/L	NA	NA	NA	70	350	NA	<1.00	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330
Methylene Chloride	ug/L	5	NA	2000	5	1800	NA	<5.00	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70
4-Methyl-2-pentanone (MIBK	ug/L	NA	NA	NA	560	2800	NA	NA	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Iodomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00
Styrene	ug/L	100	NA		100	NA	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	1000	70	350	NA	<1.00	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	400	0.3	18	NA	<1.00	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470
1,1,2-Trichloroethane	ug/L	5	NA	100	5	61	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Toluene	ug/L	1000	NA	3000	1000	5000	6	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Trichlorofluoromethane	ug/L	NA	NA	10000	2000	10000	NA	<4.00	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380
1,2,3-Trichloropropane	ug/L	NA	NA	100	0.0058	0.12	NA	<1.00	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50
Isopropylbenzene	ug/L	NA	NA	4000	700	3500	NA	<1.00	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350
General Chemistry																				
BOD	mg/L	NA	NA	NA	NA	NA	80	<12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	30	170	25	8.47	6.72	2.00	0.100	5.43	2.00	0.100	<0.100	0.200	0.100	<0.100	0.200	0.100
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	270	83.8	33.9	5.00	4.80	34.2	5.00	4.80	25.6	5.00	4.80	19.2	5.00	4.80
Phenols	mg/L	NA	NA	11	2	10	0.14	0.0353	<0.0100	NA	NA	NA	NA	NA	<0.0106	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	7200	5960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	500	NA	NA	NA	4000	4360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	2400	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NR	NA	0.259	NA	NA	NA	NA	NA	0.343	NA	NA	NA	NA	NA

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 13						MW - 16					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Anions																				
Chloride	mg/L	NA	250	NA	NA	NA	340	1380	1260	50.0	22.5	1170	50.0	22.5	844	20.0	9.00	951	20.0	9.00
Sulfide	mg/L	NA	NA	NA	NA	NA	0.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	4	2	NA	4	20	NA	NA	51.1	1.00	0.440	47.0	1.00	0.440	1.68	0.500	0.220	2.03	0.500	0.220
Fluoride - total	mg/L	4	2	NA	4	20	120	71	50.3	0.500	0.220	46.9	0.500	0.220	1.72	0.500	0.220	2.04	0.500	0.220
Nitrate N	mg/L	10	NA	NA	10	56	<1.00	0.133	<0.0780	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite N	mg/L	1	NA	NA	1	5	NA	NA	0.367	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	250	500	NA	NA	1100	1280	1480	50.0	21.0	1260	50.0	21.0	383	50.0	21.0	500	50.0	21.0
Bromate	mg/L	0.01	NA	0.14	0.01	0.05	1.8[(1)]	1.28[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	mg/L	NA	NA	NA	24	119	35	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Boron Total	mg/L	NA	NA	7	6	30	260	184	19.2	0.800	0.244	125	0.800	0.244	57.3	0.400	0.122	68.3	0.400	0.122
Lithium Total	mg/L	NA	NA	NA	0.014	0.07	NA	NA	0.0380	0.200	0.0960	<0.0960	0.200	0.0960	0.0236	0.100	0.0480	<0.0480	0.100	0.0480
Iron - dissolved	mg/L	NA	0.3	NA	NA	NA	NA	NA	6.76	0.100	0.0360	8.13	0.100	0.0360	0.381	0.100	0.0360	<0.0360	0.100	0.0360
Iron Total	mg/L	NA	0.3	NA	NA	NA	120	3.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aluminum Total	mg/L	NA	0.05 - 0.2	NA	NA	NA	43	0.711	2.27	0.0500	0.0170	3.63	0.0500	0.0170	<0.0840	0.0500	0.0170	0.0797	0.0500	0.0170
Antimony Total	mg/L	0.006	NA	0.01	0.006	0.03	NA	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic Total	mg/L	0.01	NA	0.01	0.01	0.05	<0.01	<0.005	0.00784	0.00200	0.000750	0.0152	0.00200	0.000750	0.000809	0.00200	0.000750	<0.00212	0.00200	0.000750
Barium Total	mg/L	2	NA	7	2	10	0.95	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium Total	mg/L	0.004	NA	0.07	0.004	0.07	NR	0.00889	<0.00231	0.00700	0.00231	<0.00231	0.00700	0.00231	<0.00132	0.00400	0.00132	<0.00132	0.00400	0.00132
Cadmium Total	mg/L	0.005	NA	0.02	0.005	NA	<0.02	0.000732	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.1	NA	0.1	0.1	0.5	0.11	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	0.1	NA	0.1	0.021	0.10	NA	NA	<0.0100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - Tri	mg/L	0.1	NA	0.1	10	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt Total	mg/L	NA	NA	NA	0.0021	0.01	NR	0.00137	0.0179	0.000500	0.000190	0.0110	0.000500	0.000190	0.00438	0.00500	0.000190	0.00260	0.00500	0.000190
Copper Total	mg/L	1.3	1	NA	1.3	6.6	<0.05	0.0912	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead Total	mg/L	0.015	NA	NA	0.015	0.075	<0.1	0.00387	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	300	640	530	3.50	1.05	453	3.50	1.05	152	2.00	0.600	167	2.00	0.600
Manganese Total	mg/L	NA	0.05	1.6	0.3	4.9	6	6.41	26.0	0.0700	0.0252	20.8	0.0700	0.0252	2.59	0.0400	0.0144	2.21	0.0400	0.0144
Molybdenum Total	mg/L	NA	NA	0.2	0.04	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	0.7	0.1	0.7	0.14	0.0158	<0.0735	0.0350	0.0133	0.0280	0.0350	0.0133	<0.0420	0.0200	0.00760	0.101	0.0200	0.00760
Silver Total	mg/L	NA	0.1	0.2	0.1	0.5	0.01	0.0005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Strontium Total	mg/L	NA	NA	20	4	21	NA	NA	0.704	0.00700	0.00371	0.662	0.00700	0.00371	1.43	0.00400	0.00212	1.27	0.00400	0.00212
Thallium Total	mg/L	0.002	NA	NA	0.002	0.01	NA	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium Total	mg/L	NA	NA	NA	0.035	0.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	5	10	2	10	0.97	0.307	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

(1) Result for Bromide, not Bromate.
* = LCS or LCSD is outside acceptance limits
B = Compound was found in the blank and sample.
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD RPD exceeds control limits
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Legend:
NA = Sample not analyzed for parameter or data not available.
Notes:
NR = Not reported.

	Nondetect or reported value does not exceed any standard.
	Reported value exceeds one or more standards.
	RL or MDL does not exceed any standard.
	RL or MDL exceeds one or more standards.
	No data, or no standards for comparison.
	Lowest Standard

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 17						MW - 44					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Field Readings																				
pH	s.u	NA	6.5 - 8.5	NA	NA	NA	NR	NA	6.63	NA	NA	6.72	NA	NA	6.39	NA	NA	7.19	NA	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	NR	NA	2,508.3	NA	NA	2,492.7	NA	NA	1,161.9	NA	NA	1,035.1	NA	NA
Volatile Organic Compounds (VOCs)																				
1,4-Dioxane	ug/L	NA	NA	1000	200	1000	NA	NA	NA	100	34.0	<34.0	100	34.0	<34.0	100	34.0	<34.0	100	34.0
Acetone	ug/L	NA	NA	NA	6300	32000	49	<10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10
Benzene	ug/L	5	NA	100	5	64	<5	0.728	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220
n-Butylbenzene	ug/L	NA	NA	NA	350	1800	NR	3.66	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	3.00	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420
1,1-Dichloroethane	ug/L	NA	NA	NA	140	700	69	13.1	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	6.46	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
cis-1,2-Dichloroethene	ug/L	70	NA	70	70	350	16	15	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210
trans-1,2-Dichloroethene	ug/L	100	NA	100	100	700	NR	1.14	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Butanone (MEK)	ug/L	NA	NA	20000	4000	21000	23	<10.0	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Tetrachloroethene	ug/L	5	NA	500	5	1700	NR	<1.00	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480
1,1,1-Trichloroethane	ug/L	200	NA	70000	200	70000	61	<1.00	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190
Trichloroethylene	ug/L	5	NA	200	5	76	<5	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Vinyl Chloride	ug/L	2	NA	100	2	10	<5	22.5	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180
Naphthalene	ug/L	NA	NA	700	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	10000	NA	7000	10000	50000	25	<3.00	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400
Acrylonitrile	ug/L	NA	NA	NA	0.32	6.5	NA	NA	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20
Bromochloromethane	ug/L	NA	NA	500	90	450	NA	<5.00	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540
Bromodichloromethane	ug/L	80	NA	100	80	400	NA	<0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
Bromoform	ug/L	80	NA	1000	80	440	NA	<5.00	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780
Carbon disulfide	ug/L	NA	NA	NA	700	3500	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Carbon tetrachloride	ug/L	5	NA	100	5	50	<5	<2.00	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650
Chlorobenzene	ug/L	100	NA	700	100	700	NA	<1.00	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400
Chloroethane	ug/L	NA	NA	NA	2800	14000	NA	<4.00	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790
Chloroform	ug/L	80	NA	350	80	NA	NA	<1.00	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30
Chlorodibromomethane	ug/L	80	NA	700	80	400	NA	<5.00	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750
1,2-Dibromo-3-Chloropropan	ug/L	0.2	NA	NA	0.2	2.9	NA	<10.0	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20
1,2-Dibromoethane (EDB)	ug/L	0.05	NA	300	0.05	1.8	NA	<10.0	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340
1,2-Dichlorobenzene	ug/L	600	NA	3000	600	3200	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,4-Dichlorobenzene	ug/L	75	NA	4000	75	650	<4	<1.00	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	1.8	35	NA	NA	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10
1,2-Dichloroethane	ug/L	5	NA	NA	5	38	NA	<1.00	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
1,1-Dichloroethene	ug/L	7	NA	2000	7	180	<5	<2.00	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560
trans-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560
cis-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250
1,2-Dichloropropane	ug/L	5	NA	NA	5	60	NA	<1.00	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00
Ethylbenzene	ug/L	700	NA	3000	700	3500	NA	<1.00	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310
Chloromethane		NA	NA	NA	NA	NA	NA		<0.610			<0.610			<0.610			<0.610		
Bromomethane	ug/L	NA	NA	50	10	50	NA	<4.00	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10
Dibromomethane	ug/L	NA	NA	NA	70	350	NA	<1.00	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330
Methylene Chloride	ug/L	5	NA	2000	5	1800	NA	<5.00	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70
4-Methyl-2-pentanone (MIBK	ug/L	NA	NA	NA	560	2800	NA	NA	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Iodomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00
Styrene	ug/L	100	NA		100	NA	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	1000	70	350	NA	<1.00	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	400	0.3	18	NA	<1.00	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470
1,1,2-Trichloroethane	ug/L	5	NA	100	5	61	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Toluene	ug/L	1000	NA	3000	1000	5000	6	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Trichlorofluoromethane	ug/L	NA	NA	10000	2000	10000	NA	<4.00	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380
1,2,3-Trichloropropane	ug/L	NA	NA	100	0.0058	0.12	NA	<1.00	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50
Isopropylbenzene	ug/L	NA	NA	4000	700	3500	NA	<1.00	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350
General Chemistry																				
BOD	mg/L	NA	NA	NA	NA	NA	80	<12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	30	170	25	8.47	<0.100	0.200	0.100	<0.100	0.200	0.100	<0.100	0.200	0.100	<0.100	0.200	0.100
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	270	83.8	11.8	5.00	4.80	19.2	5.00	4.80	5.12	5.00	4.80	6.17	5.00	4.80
Phenols	mg/L	NA	NA	11	2	10	0.14	0.0353	<0.0100	NA	NA	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	7200	5960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	500	NA	NA	NA	4000	4360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	2400	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NR	NA	0.309	NA	NA	NA	NA	NA	0.0635	NA	NA	NA	NA	NA

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 17						MW - 44					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Anions																				
Chloride	mg/L	NA	250	NA	NA	NA	340	1380	427	5.00	2.25	431	5.00	2.25	16.7	5.00	2.3	45.3	5.00	2.3
Sulfide	mg/L	NA	NA	NA	NA	NA	0.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	4	2	NA	4	20	NA	NA	21.2	0.500	0.220	18.1	0.500	0.220	0.414	0.500	0.220	0.420	0.500	0.220
Fluoride - total	mg/L	4	2	NA	4	20	120	71	20.2	0.500	0.220	17.5	0.500	0.220	0.494	0.500	0.220	0.426	0.500	0.220
Nitrate N	mg/L	10	NA	NA	10	56	<1.00	0.133	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite N	mg/L	1	NA	NA	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	250	500	NA	NA	1100	1280	406	5.00	2.10	411	5.00	2.10	220	5.00	2.10	80.5	5.00	2.10
Bromate	mg/L	0.01	NA	0.14	0.01	0.05	1.8(1)	1.28(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	mg/L	NA	NA	NA	24	119	35	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Boron Total	mg/L	NA	NA	7	6	30	260	184	55.7	0.400	0.122	54.6	0.400	0.122	0.127	0.200	0.0610	0.139	0.200	0.0610
Lithium Total	mg/L	NA	NA	NA	0.014	0.07	NA	NA	0.0214	0.100	0.0480	<0.0480	0.100	0.0480	0.0485	0.0500	0.0240	0.0378	0.0500	0.0240
Iron - dissolved	mg/L	NA	0.3	NA	NA	NA	NA	NA	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360	<0.0360	0.100	0.0360
Iron Total	mg/L	NA	0.3	NA	NA	NA	120	3.45	NA	NA	NA	NA	NA	NA	0.0539	NA	NA	NA	NA	NA
Aluminum Total	mg/L	NA	0.05 - 0.2	NA	NA	NA	43	0.711	0.602	0.0500	0.0170	0.750	0.0500	0.0170	0.0512	0.0500	0.0170	0.187	0.0500	0.0170
Antimony Total	mg/L	0.006	NA	0.01	0.006	0.03	NA	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic Total	mg/L	0.01	NA	0.01	0.01	0.05	<0.01	<0.005	<0.000530	0.00200	0.000750	<0.00212	0.00200	0.000750	<0.000530	00.00200	0.000750	<0.000530	00.00200	0.000750
Barium Total	mg/L	2	NA	7	2	10	0.95	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium Total	mg/L	0.004	NA	0.07	0.004	0.07	NR	0.00889	<0.00132	0.00400	0.00132	<0.00132	0.00400	0.00132	<0.000330	0.00100	0.000330	<0.000330	0.00100	0.000330
Cadmium Total	mg/L	0.005	NA	0.02	0.005	NA	<0.02	0.000732	NA	NA	NA	NA	NA	NA	<0.000100	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.1	NA	0.1	0.1	0.5	0.11	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	0.1	NA	0.1	0.021	0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - Tri	mg/L	0.1	NA	0.1	10	52	NA	NA	NA	NA	NA	NA	NA	NA	<0.00120	NA	NA	NA	NA	NA
Cobalt Total	mg/L	NA	NA	NA	0.0021	0.01	NR	0.00137	<0.000680	0.000500	0.000190	<0.000680	0.000500	0.000190	<0.000170	0.000500	0.000190	0.000299	0.000500	0.000190
Copper Total	mg/L	1.3	1	NA	1.3	6.6	<0.05	0.0912	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead Total	mg/L	0.015	NA	NA	0.015	0.075	<0.1	0.00387	NA	NA	NA	NA	NA	NA	<0.000260	NA	NA	NA	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	300	640	122	2.00	0.600	128	2.00	0.600	40.7	0.500	0.150	41.9	0.500	0.150
Manganese Total	mg/L	NA	0.05	1.6	0.3	4.9	6	6.41	0.133	0.0400	0.0144	0.269	0.0400	0.0144	0.0124	0.0100	0.00360	0.0263	0.0100	0.00360
Molybdenum Total	mg/L	NA	NA	0.2	0.04	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	0.7	0.1	0.7	0.14	0.0158	<0.0420	0.0200	0.00760	0.00794	0.0200	0.00760	<0.00210	0.00500	0.00190	<0.00190	0.00500	0.00190
Silver Total	mg/L	NA	0.1	0.2	0.1	0.5	0.01	0.0005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Strontium Total	mg/L	NA	NA	20	4	21	NA	NA	0.978	0.00400	0.00212	0.975	0.00400	0.00212	0.575	0.00100	0.000560	0.525	0.00100	0.000560
Thallium Total	mg/L	0.002	NA	NA	0.002	0.01	NA	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium Total	mg/L	NA	NA	NA	0.035	0.18	NA	NA	NA	NA	NA	NA	NA	NA	<0.00110	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	5	10	2	10	0.97	0.307	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

(1) Result for Bromide, not Bromate.

* = LCS or LCSD is outside acceptance limits

B = Compound was found in the blank and sample.

F1 = MS and/or MSD Recovery is outside acceptance limits

F2 = MS/MSD RPD exceeds control limits

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Legend:

NA = Sample not analyzed for parameter or data not available.

Notes:

NR = Not reported.

	Nondetect or reported value does not exceed any standard.
	Reported value exceeds one or more standards.
	RL or MDL does not exceed any standard.
	RL or MDL exceeds one or more standards.
	No data, or no standards for comparison.
	Lowest Standard

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW-45						MW-46					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Field Readings																				
pH	s.u	NA	6.5 - 8.5	NA	NA	NA	NR	NA	6.55	NA	NA	7.07	NA	NA	5.73	NA	NA	6.55	NA	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	NR	NA	3,345.7	NA	NA	1,879.1	NA	NA	1159.4	NA	NA	604.17	NA	NA
Volatile Organic Compounds (VOCs)																				
1,4-Dioxane	ug/L	NA	NA	1000	200	1000	NA	NA	<34.0	100	34.0	<34.0	100	34.0	<34.0	100	34.0	<34.0	100	34.0
Acetone	ug/L	NA	NA	NA	6300	32000	49	<10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10
Benzene	ug/L	5	NA	100	5	64	<5	0.728	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220
n-Butylbenzene	ug/L	NA	NA	NA	350	1800	NR	3.66	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	3.00	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420
1,1-Dichloroethane	ug/L	NA	NA	NA	140	700	69	13.1	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	6.46	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
cis-1,2-Dichloroethene	ug/L	70	NA	70	70	350	16	15	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210
trans-1,2-Dichloroethene	ug/L	100	NA	100	100	700	NR	1.14	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Butanone (MEK)	ug/L	NA	NA	20000	4000	21000	23	<10.0	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Tetrachloroethene	ug/L	5	NA	500	5	1700	NR	<1.00	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480
1,1,1-Trichloroethane	ug/L	200	NA	70000	200	70000	61	<1.00	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190
Trichloroethylene	ug/L	5	NA	200	5	76	<5	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Vinyl Chloride	ug/L	2	NA	100	2	10	<5	22.5	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180
Naphthalene	ug/L	NA	NA	700	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	10000	NA	7000	10000	50000	25	<3.00	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400
Acrylonitrile	ug/L	NA	NA	NA	0.32	6.5	NA	NA	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20
Bromochloromethane	ug/L	NA	NA	500	90	450	NA	<5.00	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540
Bromodichloromethane	ug/L	80	NA	100	80	400	NA	<0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
Bromoform	ug/L	80	NA	1000	80	440	NA	<5.00	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780
Carbon disulfide	ug/L	NA	NA	NA	700	3500	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Carbon tetrachloride	ug/L	5	NA	100	5	50	<5	<2.00	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650
Chlorobenzene	ug/L	100	NA	700	100	700	NA	<1.00	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400
Chloroethane	ug/L	NA	NA	NA	2800	14000	NA	<4.00	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790
Chloroform	ug/L	80	NA	350	80	NA	NA	<1.00	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30
Chlorodibromomethane	ug/L	80	NA	700	80	400	NA	<5.00	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750
1,2-Dibromo-3-Chloropropan	ug/L	0.2	NA	NA	0.2	2.9	NA	<10.0	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20
1,2-Dibromoethane (EDB)	ug/L	0.05	NA	300	0.05	1.8	NA	<10.0	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340
1,2-Dichlorobenzene	ug/L	600	NA	3000	600	3200	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,4-Dichlorobenzene	ug/L	75	NA	4000	75	650	<4	<1.00	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	1.8	35	NA	NA	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10
1,2-Dichloroethane	ug/L	5	NA	NA	5	38	NA	<1.00	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
1,1-Dichloroethene	ug/L	7	NA	2000	7	180	<5	<2.00	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560
trans-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560
cis-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250
1,2-Dichloropropane	ug/L	5	NA	NA	5	60	NA	<1.00	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00
Ethylbenzene	ug/L	700	NA	3000	700	3500	NA	<1.00	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310
Chloromethane		NA	NA	NA	NA	NA	NA		<0.610			<0.610			<0.610			<0.610		
Bromomethane	ug/L	NA	NA	50	10	50	NA	<4.00	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10
Dibromomethane	ug/L	NA	NA	NA	70	350	NA	<1.00	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330
Methylene Chloride	ug/L	5	NA	2000	5	1800	NA	<5.00	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70
4-Methyl-2-pentanone (MIBK	ug/L	NA	NA	NA	560	2800	NA	NA	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Iodomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00
Styrene	ug/L	100	NA		100	NA	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	1000	70	350	NA	<1.00	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	400	0.3	18	NA	<1.00	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470
1,1,2-Trichloroethane	ug/L	5	NA	100	5	61	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Toluene	ug/L	1000	NA	3000	1000	5000	6	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Trichlorofluoromethane	ug/L	NA	NA	10000	2000	10000	NA	<4.00	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380
1,2,3-Trichloropropane	ug/L	NA	NA	100	0.0058	0.12	NA	<1.00	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50
Isopropylbenzene	ug/L	NA	NA	4000	700	3500	NA	<1.00	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350
General Chemistry																				
BOD	mg/L	NA	NA	NA	NA	NA	80	<12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	30	170	25	8.47	0.527	0.200	0.100	0.491	0.200	0.100	0.830	0.200	0.100	0.238	0.200	0.100
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	270	83.8	6.23	5.00	4.80	12.2	5.00	4.80	17.4	5.00	4.80	59.4	5.00	4.80
Phenols	mg/L	NA	NA	11	2	10	0.14	0.0353	<0.0108	NA	NA	NA	NA	NA	<0.0104	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	7200	5960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	500	NA	NA	NA	4000	4360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	2400	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NR	NA	0.126	NA	NA	NA	NA	NA	0.411	NA	NA	NA	NA	NA

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW-45						MW-46					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Anions																				
Chloride	mg/L	NA	250	NA	NA	NA	340	1380	9.06	5.00	2.25	9.77	5.00	2.25	72.4	5.00	2.25	61.7	5.00	2.25
Sulfide	mg/L	NA	NA	NA	NA	NA	0.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	4	2	NA	4	20	NA	NA	0.517	0.500	0.220	0.415	0.500	0.220	<0.375	0.500	0.220	0.589	0.500	0.220
Fluoride - total	mg/L	4	2	NA	4	20	120	71	<0.375	0.500	0.220	<0.375	0.500	0.220	<0.375	0.500	0.220	0.709	0.500	0.220
Nitrate N	mg/L	10	NA	NA	10	56	<1.00	0.133	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite N	mg/L	1	NA	NA	1	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	250	500	NA	NA	1100	1280	2100	50.0	21.0	1980	50.0	21.0	11.1	5.00	2.10	16.3	5.00	2.10
Bromate	mg/L	0.01	NA	0.14	0.01	0.05	1.8[(1)]	1.28[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	mg/L	NA	NA	NA	24	119	35	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Boron Total	mg/L	NA	NA	7	6	30	260	184	0.482	0.200	0.0610	0.424	0.200	0.0610	<0.0760	0.200	0.0610	0.591	0.200	0.0610
Lithium Total	mg/L	NA	NA	NA	0.014	0.07	NA	NA	0.148	0.0500	0.0240	0.153	0.0500	0.0240	0.00673	0.0500	0.0240	<0.0240	0.0500	0.0240
Iron - dissolved	mg/L	NA	0.3	NA	NA	NA	NA	NA	0.318	0.100	0.0360	0.227	0.100	0.0360	3.33	0.100	0.0360	0.0429	0.100	0.0360
Iron Total	mg/L	NA	0.3	NA	NA	NA	120	3.45	0.319	NA	NA	NA	NA	NA	7.92	NA	NA	NA	NA	NA
Aluminum Total	mg/L	NA	0.05 - 0.2	NA	NA	NA	43	0.711	<0.0840	0.0500	0.0170	<0.0680	0.0500	0.0170	<0.0210	0.0500	0.0170	0.182	0.0500	0.0170
Antimony Total	mg/L	0.006	NA	0.01	0.006	0.03	NA	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic Total	mg/L	0.01	NA	0.01	0.01	0.05	<0.01	<0.005	0.00252	0.00200	0.000500	0.00252	0.00200	0.000500	0.0147	0.00200	0.000750	0.00316	0.00200	0.000750
Barium Total	mg/L	2	NA	7	2	10	0.95	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium Total	mg/L	0.004	NA	0.07	0.004	0.07	NR	0.00889	<0.000330	0.00400	0.00132	<0.00132	0.00400	0.00132	<0.000330	0.00100	0.000330	<0.000330	0.00100	0.000330
Cadmium Total	mg/L	0.005	NA	0.02	0.005	NA	<0.02	0.000732	<0.000400	NA	NA	NA	NA	NA	<0.000100	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.1	NA	0.1	0.1	0.5	0.11	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	0.1	NA	0.1	0.021	0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - Tri	mg/L	0.1	NA	0.1	10	52	NA	NA	<0.00120	NA	NA	NA	NA	NA	<0.00120	NA	NA	NA	NA	NA
Cobalt Total	mg/L	NA	NA	NA	0.0021	0.01	NR	0.00137	0.00554	0.000500	0.000190	0.00602	0.000500	0.000190	0.00264	0.000500	0.000190	0.000810	0.000500	0.000190
Copper Total	mg/L	1.3	1	NA	1.3	6.6	<0.05	0.0912	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead Total	mg/L	0.015	NA	NA	0.015	0.075	<0.1	0.00387	<0.000260	NA	NA	NA	NA	NA	<0.000260	NA	NA	NA	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	300	640	154	2.00	0.600	150	2.00	0.600	40.7	0.500	0.150	21.2	0.500	0.150
Manganese Total	mg/L	NA	0.05	1.6	0.3	4.9	6	6.41	2.31	0.0400	0.0144	2.16	0.0400	0.0144	2.08	0.0100	0.00360	0.572	0.0100	0.00360
Molybdenum Total	mg/L	NA	NA	0.2	0.04	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	0.7	0.1	0.7	0.14	0.0158	0.00856	0.0200	0.00760	0.0114	0.0200	0.00760	0.0210	0.00500	0.00190	0.00873	0.00500	0.00190
Silver Total	mg/L	NA	0.1	0.2	0.1	0.5	0.01	0.0005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Strontium Total	mg/L	NA	NA	20	4	21	NA	NA	2.44	0.00400	0.00212	2.34	0.00400	0.00212	0.658	0.00100	0.000530	0.362	0.00100	0.000530
Thallium Total	mg/L	0.002	NA	NA	0.002	0.01	NA	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium Total	mg/L	NA	NA	NA	0.035	0.18	NA	NA	<0.00110	NA	NA	NA	NA	NA	0.00147	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	5	10	2	10	0.97	0.307	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

(1) Result for Bromide, not Bromate.
* = LCS or LCSD is outside acceptance limits
B = Compound was found in the blank and sample.
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD RPD exceeds control limits
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Legend:
NA = Sample not analyzed for parameter or data not available.
Notes:
NR = Not reported.

	Nondetect or reported value does not exceed any standard.
	Reported value exceeds one or more standards.
	RL or MDL does not exceed any standard.
	RL or MDL exceeds one or more standards.
	No data, or no standards for comparison.
	Lowest Standard

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 47						MW - 48					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Field Readings																				
pH	s.u	NA	6.5 - 8.5	NA	NA	NA	NR	NA	6.37	NA	NA	6.96	NA	NA	7.08	NA	NA	6.53	NA	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	NR	NA	3,070.9	NA	NA	1,033.7	NA	NA	1312.8	NA	NA	894.64	NA	NA
Volatile Organic Compounds (VOCs)																				
1,4-Dioxane	ug/L	NA	NA	1000	200	1000	NA	NA	<34.0	100	34.0	<34.0	100	34.0	<34.0	100	34.0	<34.0	100	34.0
Acetone	ug/L	NA	NA	NA	6300	32000	49	<10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10	<3.10	10.0	3.10
Benzene	ug/L	5	NA	100	5	64	<5	0.728	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220	<0.220	0.500	0.220
n-Butylbenzene	ug/L	NA	NA	NA	350	1800	NR	3.66	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440	<0.440	1.00	0.440
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	3.00	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420	<0.420	1.00	0.420
1,1-Dichloroethane	ug/L	NA	NA	NA	140	700	69	13.1	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220	<0.220	1.00	0.220
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	6.46	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
cis-1,2-Dichloroethene	ug/L	70	NA	70	70	350	16	15	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210	<0.210	1.00	0.210
trans-1,2-Dichloroethene	ug/L	100	NA	100	100	700	NR	1.14	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Butanone (MEK)	ug/L	NA	NA	20000	4000	21000	23	<10.0	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Tetrachloroethene	ug/L	5	NA	500	5	1700	NR	<1.00	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480	<0.480	1.00	0.480
1,1,1-Trichloroethane	ug/L	200	NA	70000	200	70000	61	<1.00	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190	<0.190	1.00	0.190
Trichloroethylene	ug/L	5	NA	200	5	76	<5	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Vinyl Chloride	ug/L	2	NA	100	2	10	<5	22.5	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180	<0.180	1.00	0.180
Naphthalene	ug/L	NA	NA	700	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	10000	NA	7000	10000	50000	25	<3.00	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400	<0.400	3.00	0.400
Acrylonitrile	ug/L	NA	NA	NA	0.32	6.5	NA	NA	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20	<2.20	5.00	2.20
Bromochloromethane	ug/L	NA	NA	500	90	450	NA	<5.00	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540	<0.540	5.00	0.540
Bromodichloromethane	ug/L	80	NA	100	80	400	NA	<0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
Bromoform	ug/L	80	NA	1000	80	440	NA	<5.00	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780	<0.780	5.00	0.780
Carbon disulfide	ug/L	NA	NA	NA	700	3500	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Carbon tetrachloride	ug/L	5	NA	100	5	50	<5	<2.00	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650	<0.650	2.00	0.650
Chlorobenzene	ug/L	100	NA	700	100	700	NA	<1.00	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400	<0.400	1.00	0.400
Chloroethane	ug/L	NA	NA	NA	2800	14000	NA	<4.00	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790	<0.790	4.00	0.790
Chloroform	ug/L	80	NA	350	80	NA	NA	<1.00	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30	<1.30	3.00	1.30
Chlorodibromomethane	ug/L	80	NA	700	80	400	NA	<5.00	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750	<0.750	5.00	0.750
1,2-Dibromo-3-Chloropropan	ug/L	0.2	NA	NA	0.2	2.9	NA	<10.0	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20	<1.20	5.00	1.20
1,2-Dibromoethane (EDB)	ug/L	0.05	NA	300	0.05	1.8	NA	<10.0	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340	<0.340	1.00	0.340
1,2-Dichlorobenzene	ug/L	600	NA	3000	600	3200	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,4-Dichlorobenzene	ug/L	75	NA	4000	75	650	<4	<1.00	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230	<0.230	1.00	0.230
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	1.8	35	NA	NA	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10	<1.10	10.0	1.10
1,2-Dichloroethane	ug/L	5	NA	NA	5	38	NA	<1.00	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
1,1-Dichloroethene	ug/L	7	NA	2000	7	180	<5	<2.00	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560	<0.560	2.00	0.560
trans-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560	<0.560	5.00	0.560
cis-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250	<0.250	5.00	0.250
1,2-Dichloropropane	ug/L	5	NA	NA	5	60	NA	<1.00	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00	<2.00	10.0	2.00
Ethylbenzene	ug/L	700	NA	3000	700	3500	NA	<1.00	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310	<0.310	1.00	0.310
Chloromethane		NA	NA	NA	NA	NA	NA		<0.610			<0.610			<0.610			<0.610		
Bromomethane	ug/L	NA	NA	50	10	50	NA	<4.00	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10	<1.10	4.00	1.10
Dibromomethane	ug/L	NA	NA	NA	70	350	NA	<1.00	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330	<0.330	1.00	0.330
Methylene Chloride	ug/L	5	NA	2000	5	1800	NA	<5.00	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70	<1.70	5.00	1.70
4-Methyl-2-pentanone (MIBK	ug/L	NA	NA	NA	560	2800	NA	NA	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10	<2.10	10.0	2.10
Iodomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00	<7.00	10.0	7.00
Styrene	ug/L	100	NA		100	NA	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370	<0.370	1.00	0.370
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	1000	70	350	NA	<1.00	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380	<0.380	1.00	0.380
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	400	0.3	18	NA	<1.00	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470	<0.470	1.00	0.470
1,1,2-Trichloroethane	ug/L	5	NA	100	5	61	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450	<0.450	1.00	0.450
Toluene	ug/L	1000	NA	3000	1000	5000	6	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430	<0.430	1.00	0.430
Trichlorofluoromethane	ug/L	NA	NA	10000	2000	10000	NA	<4.00	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380	<0.380	4.00	0.380
1,2,3-Trichloropropane	ug/L	NA	NA	100	0.0058	0.12	NA	<1.00	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590	<0.590	1.00	0.590
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50	<2.50	10.0	2.50
Isopropylbenzene	ug/L	NA	NA	4000	700	3500	NA	<1.00	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350	<0.350	1.00	0.350
General Chemistry																				
BOD	mg/L	NA	NA	NA	NA	NA	80	<12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	30	170	25	8.47	0.671	0.200	0.100	0.562	0.200	0.100	<0.100	0.200	0.100	<0.100	0.200	0.100
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	270	83.8	11.8	5.00	4.80	14.1	5.00	4.80	9.10	5.00	4.80	12.9	5.00	4.80
Phenols	mg/L	NA	NA	11	2	10	0.14	0.0353	<0.0108	NA	NA	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	7200	5960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	500	NA	NA	NA	4000	4360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	2400	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NR	NA	0.355	NA	NA	NA	NA	NA	0.122	NA	NA	NA	NA	NA

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 47						MW - 48					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Anions																				
Chloride	mg/L	NA	250	NA	NA	NA	340	1380	21.1	5.0	2.25	14.7	5.0	2.25	269	5.00	2.25	190	5.00	2.25
Sulfide	mg/L	NA	NA	NA	NA	NA	0.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	4	2	NA	4	20	NA	NA	0.923	0.500	0.220	1.26	0.500	0.220	0.555	0.500	0.220	<0.375	0.500	0.220
Fluoride - total	mg/L	4	2	NA	4	20	120	71	0.715	0.500	0.220	<0.375	0.500	0.220	<0.375	0.500	0.220	<0.375	0.500	0.220
Nitrate N	mg/L	10	NA	NA	10	56	<1.00	0.133	NA	NA	NA	NA	NA	NA	<0.780	NA	NA	NA	NA	NA
Nitrite N	mg/L	1	NA	NA	1	5	NA	NA	NA	NA	NA	NA	NA	NA	<0.0430	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	250	500	NA	NA	1100	1280	1050	50.0	21.0	1830	50.0	21.0	27.3	5.00	2.10	26.6	5.00	2.10
Bromate	mg/L	0.01	NA	0.14	0.01	0.05	1.8(1)	1.28(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Phosphorous	mg/L	NA	NA	NA	24	119	35	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Boron Total	mg/L	NA	NA	7	6	30	260	184	0.460	0.200	0.0610	0.350	0.200	0.0610	0.405	0.200	0.0610	0.278	0.200	0.0610
Lithium Total	mg/L	NA	NA	NA	0.014	0.07	NA	NA	0.0826	0.0500	0.0240	0.0733	0.0500	0.0240	0.0181	0.0500	0.0240	<0.0240	0.0500	0.0240
Iron - dissolved	mg/L	NA	0.3	NA	NA	NA	NA	NA	1.48	0.100	0.0360	2.29	0.100	0.0360	0.106	0.100	0.0360	<0.0360	0.100	0.0360
Iron Total	mg/L	NA	0.3	NA	NA	NA	120	3.45	3.54	NA	NA	NA	NA	NA	0.225	NA	NA	NA	NA	NA
Aluminum Total	mg/L	NA	0.05 - 0.2	NA	NA	NA	43	0.711	<0.0840	0.0500	0.0170	<0.0680	0.0500	0.0170	<0.0210	0.0500	0.0170	<0.0170	0.0500	0.0170
Antimony Total	mg/L	0.006	NA	0.01	0.006	0.03	NA	<0.001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic Total	mg/L	0.01	NA	0.01	0.01	0.05	<0.01	<0.005	0.0169	0.00200	0.000750	0.0127	0.00200	0.000750	0.00120	0.00200	0.000750	0.00116	0.00200	0.000750
Barium Total	mg/L	2	NA	7	2	10	0.95	0.049	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium Total	mg/L	0.004	NA	0.07	0.004	0.07	NR	0.00889	<0.000330	0.00200	0.001320	<0.00132	0.00200	0.001320	<0.000330	0.00100	0.000330	<0.000330	0.00100	0.000330
Cadmium Total	mg/L	0.005	NA	0.02	0.005	NA	<0.02	0.000732	<0.000400	NA	NA	NA	NA	NA	<0.000100	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.1	NA	0.1	0.1	0.5	0.11	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	0.1	NA	0.1	0.021	0.10	NA	NA	NA	NA	NA	NA	NA	NA	<0.00120	NA	NA	NA	NA	NA
Chromium - Dissolved - Tri	mg/L	0.1	NA	0.1	10	52	NA	NA	<0.00480	NA	NA	NA	NA	NA	<0.0100	NA	NA	NA	NA	NA
Cobalt Total	mg/L	NA	NA	NA	0.0021	0.01	NR	0.00137	0.00166	0.000500	0.00190	0.00172	0.000500	0.00190	0.00127	0.000500	0.000190	0.000941	0.000500	0.000190
Copper Total	mg/L	1.3	1	NA	1.3	6.6	<0.05	0.0912	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead Total	mg/L	0.015	NA	NA	0.015	0.075	<0.1	0.00387	<0.000260	NA	NA	NA	NA	NA	<0.000260	NA	NA	NA	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	300	640	111	2.00	0.600	110	2.00	0.600	30.4	0.500	0.150	25.8	0.500	0.150
Manganese Total	mg/L	NA	0.05	1.6	0.3	4.9	6	6.41	1.48	0.0400	0.0144	1.37	0.0400	0.0144	0.168	0.0100	0.00360	0.107	0.0100	0.00360
Molybdenum Total	mg/L	NA	NA	0.2	0.04	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	0.7	0.1	0.7	0.14	0.0158	<0.00840	0.0200	0.00760	0.0122	0.0200	0.00760	0.00360	0.00500	0.00190	0.00368	0.00500	0.00190
Silver Total	mg/L	NA	0.1	0.2	0.1	0.5	0.01	0.0005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium									NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Strontium Total	mg/L	NA	NA	20	4	21	NA	NA	1.71	0.00400	0.00212	1.61	0.00400	0.00212	0.518	0.00100	0.000530	0.367	0.00100	0.000530
Thallium Total	mg/L	0.002	NA	NA	0.002	0.01	NA	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium Total	mg/L	NA	NA	NA	0.035	0.18	NA	NA	<0.00440	NA	NA	NA	NA	NA	<0.00110	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	5	10	2	10	0.97	0.307	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

(1) Result for Bromide, not Bromate.
* = LCS or LCSD is outside acceptance limits
B = Compound was found in the blank and sample.
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD RPD exceeds control limits
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Legend:
NA = Sample not analyzed for parameter or data not available.
Notes:
NR = Not reported.

	Nondetect or reported value does not exceed any standard.
	Reported value exceeds one or more standards.
	RL or MDL does not exceed any standard.
	RL or MDL exceeds one or more standards.
	No data, or no standards for comparison.
	Lowest Standard

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 49					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Field Readings														
pH	s.u	NA	6.5 - 8.5	NA	NA	NA	NR	NA	7.63	NA	NA	6.87	NA	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	NR	NA	3,114.7	NA	NA	2,754.1	NA	NA
Volatile Organic Compounds (VOCs)														
1,4-Dioxane	ug/L	NA	NA	1000	200	1000	NA	NA	<34.0	100	34.0	<34.0	100	34.0
Acetone	ug/L	NA	NA	NA	6300	32000	49	<10	<3.10	10.0	3.10	<3.10	10.0	3.10
Benzene	ug/L	5	NA	100	5	64	<5	0.728	<0.220	0.500	0.220	<0.220	0.500	0.220
n-Butylbenzene	ug/L	NA	NA	NA	350	1800	NR	3.66	<0.440	1.00	0.440	<0.440	1.00	0.440
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	3.00	<0.420	1.00	0.420	<0.420	1.00	0.420
1,1-Dichloroethane	ug/L	NA	NA	NA	140	700	69	13.1	<0.220	1.00	0.220	<0.220	1.00	0.220
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	70	350	NR	6.46	<0.370	1.00	0.370	<0.370	1.00	0.370
cis-1,2-Dichloroethene	ug/L	70	NA	70	70	350	16	15	<0.210	1.00	0.210	<0.210	1.00	0.210
trans-1,2-Dichloroethene	ug/L	100	NA	100	100	700	NR	1.14	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Butanone (MEK)	ug/L	NA	NA	20000	4000	21000	23	<10.0	<2.10	10.0	2.10	<2.10	10.0	2.10
Tetrachloroethene	ug/L	5	NA	500	5	1700	NR	<1.00	<0.480	1.00	0.480	<0.480	1.00	0.480
1,1,1-Trichloroethane	ug/L	200	NA	70000	200	70000	61	<1.00	<0.190	1.00	0.190	<0.190	1.00	0.190
Trichloroethylene	ug/L	5	NA	200	5	76	<5	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430
Vinyl Chloride	ug/L	2	NA	100	2	10	<5	22.5	<0.180	1.00	0.180	<0.180	1.00	0.180
Naphthalene	ug/L	NA	NA	700	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	10000	NA	7000	10000	50000	25	<3.00	<0.400	3.00	0.400	<0.400	3.00	0.400
Acrylonitrile	ug/L	NA	NA	NA	0.32	6.5	NA	NA	<2.20	5.00	2.20	<2.20	5.00	2.20
Bromochloromethane	ug/L	NA	NA	500	90	450	NA	<5.00	<0.540	5.00	0.540	<0.540	5.00	0.540
Bromodichloromethane	ug/L	80	NA	100	80	400	NA	<0.390	<0.390	1.00	0.390	<0.390	1.00	0.390
Bromoform	ug/L	80	NA	1000	80	440	NA	<5.00	<0.780	5.00	0.780	<0.780	5.00	0.780
Carbon disulfide	ug/L	NA	NA	NA	700	3500	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450
Carbon tetrachloride	ug/L	5	NA	100	5	50	<5	<2.00	<0.650	2.00	0.650	<0.650	2.00	0.650
Chlorobenzene	ug/L	100	NA	700	100	700	NA	<1.00	<0.400	1.00	0.400	<0.400	1.00	0.400
Chloroethane	ug/L	NA	NA	NA	2800	14000	NA	<4.00	<0.790	4.00	0.790	<0.790	4.00	0.790
Chloroform	ug/L	80	NA	350	80	NA	NA	<1.00	<1.30	3.00	1.30	<1.30	3.00	1.30
Chlorodibromomethane	ug/L	80	NA	700	80	400	NA	<5.00	<0.750	5.00	0.750	<0.750	5.00	0.750
1,2-Dibromo-3-Chloropropar	ug/L	0.2	NA	NA	0.2	2.9	NA	<10.0	<1.20	5.00	1.20	<1.20	5.00	1.20
1,2-Dibromoethane (EDB)	ug/L	0.05	NA	300	0.05	1.8	NA	<10.0	<0.340	1.00	0.340	<0.340	1.00	0.340
1,2-Dichlorobenzene	ug/L	600	NA	3000	600	3200	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370
1,4-Dichlorobenzene	ug/L	75	NA	4000	75	650	<4	<1.00	<0.230	1.00	0.230	<0.230	1.00	0.230
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	1.8	35	NA	NA	<1.10	10.0	1.10	<1.10	10.0	1.10
1,2-Dichloroethane	ug/L	5	NA	NA	5	38	NA	<1.00	<0.390	1.00	0.390	<0.390	1.00	0.390
1,1-Dichloroethene	ug/L	7	NA	2000	7	180	<5	<2.00	<0.560	2.00	0.560	<0.560	2.00	0.560
trans-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.560	5.00	0.560	<0.560	5.00	0.560
cis-1,3-Dichloropropene	ug/L	NA	NA	1000	1.8	35	NA	<5.00	<0.250	5.00	0.250	<0.250	5.00	0.250
1,2-Dichloropropane	ug/L	5	NA	NA	5	60	NA	<1.00	<0.270	1.00	0.270	<0.270	1.00	0.270
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.00	10.0	2.00	<2.00	10.0	2.00
Ethylbenzene	ug/L	700	NA	3000	700	3500	NA	<1.00	<0.310	1.00	0.310	<0.310	1.00	0.310
Chloromethane		NA	NA	NA	NA	NA	NA		<0.610			<0.610		
Bromomethane	ug/L	NA	NA	50	10	50	NA	<4.00	<1.10	4.00	1.10	<1.10	4.00	1.10
Dibromomethane	ug/L	NA	NA	NA	70	350	NA	<1.00	<0.330	1.00	0.330	<0.330	1.00	0.330
Methylene Chloride	ug/L	5	NA	2000	5	1800	NA	<5.00	<1.70	5.00	1.70	<1.70	5.00	1.70
4-Methyl-2-pentanone (MIBK	ug/L	NA	NA	NA	560	2800	NA	NA	<2.10	10.0	2.10	<2.10	10.0	2.10
Iodomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	<7.00	10.0	7.00	<7.00	10.0	7.00
Styrene	ug/L	100	NA		100	NA	NA	<1.00	<0.370	1.00	0.370	<0.370	1.00	0.370
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	1000	70	350	NA	<1.00	<0.380	1.00	0.380	<0.380	1.00	0.380
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	400	0.3	18	NA	<1.00	<0.470	1.00	0.470	<0.470	1.00	0.470
1,1,2-Trichloroethane	ug/L	5	NA	100	5	61	NA	<1.00	<0.450	1.00	0.450	<0.450	1.00	0.450
Toluene	ug/L	1000	NA	3000	1000	5000	6	<1.00	<0.430	1.00	0.430	<0.430	1.00	0.430
Trichlorofluoromethane	ug/L	NA	NA	10000	2000	10000	NA	<4.00	<0.380	4.00	0.380	<0.380	4.00	0.380
1,2,3-Trichloropropane	ug/L	NA	NA	100	0.0058	0.12	NA	<1.00	<0.590	1.00	0.590	<0.590	1.00	0.590
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	<2.50	10.0	2.50	<2.50	10.0	2.50
Isopropylbenzene	ug/L	NA	NA	4000	700	3500	NA	<1.00	<0.350	1.00	0.350	<0.350	1.00	0.350
General Chemistry														
BOD	mg/L	NA	NA	NA	NA	NA	80	<12	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	30	170	25	8.47	2.19	0.200	0.100	2.20	0.200	0.100
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	270	83.8	12.7	5.00	4.80	17.7	5.00	4.80
Phenols	mg/L	NA	NA	11	2	10	0.14	0.0353	<0.0100	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	7200	5960	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	500	NA	NA	NA	4000	4360	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	2400	13.5	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NR	NA	0.1050	NA	NA	NA	NA	NA

Table 8B
2024 Analytical Results
WDC Acquisition LLC Landfill
Creston, Iowa

Standards		Maximum Contaminant Level	Secondary Maximum Contaminant Level	Health Advisory Level	IA Statewide Standards Protected Groundwater Source	IA Statewide Standards Non-Protected Groundwater Source	Leachate		MW - 49					
Parameters:	Units	(MCL)	(SMCL)	(HAL)	(SSPGS)	(SSNPGS)	7/16/1992	7/25/2013	8/28/2024	RL	MDL	4/1/2024	RL	MDL
Anions														
Chloride	mg/L	NA	250	NA	NA	NA	340	1380	15.7	5.00	2.25	18.7	5.00	2.25
Sulfide	mg/L	NA	NA	NA	NA	NA	0.2	2	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	4	2	NA	4	20	NA	NA	<0.375	0.500	0.220	<0.375	0.500	0.220
Fluoride - total	mg/L	4	2	NA	4	20	120	71	<0.375	0.500	0.220	<0.375	0.500	0.220
Nitrate N	mg/L	10	NA	NA	10	56	<1.00	0.133	NA	NA	NA	NA	NA	NA
Nitrite N	mg/L	1	NA	NA	1	5	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	NA	250	500	NA	NA	1100	1280	1880	50.0	21.0	1990	50.0	21.0
Bromate	mg/L	0.01	NA	0.14	0.01	0.05	1.8(1)	1.28(1)	NA	NA	NA	NA	NA	NA
Total Phosphorous	mg/L	NA	NA	NA	24	119	35	<0.0001	NA	NA	NA	NA	NA	NA
Metals														
Boron Total	mg/L	NA	NA	7	6	30	260	184	0.568	0.200	0.0610	0.497	0.200	0.0610
Lithium Total	mg/L	NA	NA	NA	0.014	0.07	NA	NA	0.0956	0.0500	0.0240	0.0912	0.0500	0.0240
Iron - dissolved	mg/L	NA	0.3	NA	NA	NA	NA	NA	8.27	0.100	0.0360	8.06	0.100	0.0360
Iron Total	mg/L	NA	0.3	NA	NA	NA	120	3.45	10.4	NA	NA	NA	NA	NA
Aluminum Total	mg/L	NA	0.05 - 0.2	NA	NA	NA	43	0.711	0.367	0.0500	0.0170	0.266	0.0500	0.0170
Antimony Total	mg/L	0.006	NA	0.01	0.006	0.03	NA	<0.001	NA	NA	NA	NA	NA	NA
Arsenic Total	mg/L	0.01	NA	0.01	0.01	0.05	<0.01	<0.005	0.0126	0.00200	0.000750	0.00853	0.00200	0.000750
Barium Total	mg/L	2	NA	7	2	10	0.95	0.049	NA	NA	NA	NA	NA	NA
Beryllium Total	mg/L	0.004	NA	0.07	0.004	0.07	NR	0.00889	<0.000330	0.00400	0.00132	<0.00132	0.00400	0.00132
Cadmium Total	mg/L	0.005	NA	0.02	0.005	NA	<0.02	0.000732	<0.000400	NA	NA	NA	NA	NA
Chromium Total	mg/L	0.1	NA	0.1	0.1	0.5	0.11	0.005	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	0.1	NA	0.1	0.021	0.10	NA	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - Tri	mg/L	0.1	NA	0.1	10	52	NA	NA	<0.00121	NA	NA	NA	NA	NA
Cobalt Total	mg/L	NA	NA	NA	0.0021	0.01	NR	0.00137	0.00166	0.000500	0.000190	0.00125	0.000500	0.000190
Copper Total	mg/L	1.3	1	NA	1.3	6.6	<0.05	0.0912	NA	NA	NA	NA	NA	NA
Lead Total	mg/L	0.015	NA	NA	0.015	0.075	<0.1	0.00387	0.00268	NA	NA	NA	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	300	640	132	2.00	0.600	74.8	2.00	0.600
Manganese Total	mg/L	NA	0.05	1.6	0.3	4.9	6	6.41	1.24	0.0400	0.0144	0.751	0.0400	0.0144
Molybdenum Total	mg/L	NA	NA	0.2	0.04	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	0.7	0.1	0.7	0.14	0.0158	<0.00840	0.0200	0.00760	<0.00760	0.0200	0.00760
Silver Total	mg/L	NA	0.1	0.2	0.1	0.5	0.01	0.0005	NA	NA	NA	NA	NA	NA
Sodium									NA	NA	NA	NA	NA	NA
Strontium Total	mg/L	NA	NA	20	4	21	NA	NA	2.40	0.00400	0.00212	1.25	0.00400	0.00212
Thallium Total	mg/L	0.002	NA	NA	0.002	0.01	NA	<0.0001	NA	NA	NA	NA	NA	NA
Vanadium Total	mg/L	NA	NA	NA	0.035	0.18	NA	NA	0.00242	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	5	10	2	10	0.97	0.307	NA	NA	NA	NA	NA	NA

(1) Result for Bromide, not Bromate.
* = LCS or LCSD is outside acceptance limits
B = Compound was found in the blank and sample.
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD RPD exceeds control limits
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Legend:
NA = Sample not analyzed for parameter or data not available.
Notes:
NR = Not reported.

	Nondetect or reported value does not exceed any standard.
	Reported value exceeds one or more standards.
	RL or MDL does not exceed any standard.
	RL or MDL exceeds one or more standards.
	No data, or no standards for comparison.
	Lowest Standard

Table 9 – Historic Evaluation Limit & Regulatory Standard Exceedances

Table 9
Historic Evaluation Limit & Lowest Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Key: BLUE = Exceeds Evaluation Limit; RED = Exceeds Lowest Standard; PURPLE = Exceeds Both Well	Constituent	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023	Spring 2024	Fall 2024
MW-7	Sulfate														
	Lithium Total														
	Manganese Total														
	COD, Block Digestor														
MW-8	pH														
	Specific Conductance														
	Lithium Total														
	Aluminum Total														
	Manganese Total														
MW-11	pH														
	Specific Conductance														
	Acetone														
	1,1-Dichloroethane														
	cis-1,2-Dichloroethene														
	trans-1,2-Dichloroethene														
	Tetrachloroethene														
	Trichloroethylene														
	Vinyl Chloride														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Total Organic Halogens														
	Chloride														
	Fluoride - Dissolved														
	Fluoride - Distilled/Total														
	Sulfate														
	Boron Total														
	Iron - Dissolved														
	Iron Total														
	Aluminum Total														
	Beryllium Total														
	Cadmium Total														
	Cobalt Total														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														
MW-12	pH														
	Specific Conductance														
	Temperature														
	Acetone														
	1,1-Dichloroethane														
	cis-1,2-Dichloroethene														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Total Organic Halogens														
	Chloride														
	Fluoride - Dissolved														
	Nitrite N														
	Sulfate														
	Boron Total														
	Lithium Total														
	Cobalt Total														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														

Table 9
Historic Evaluation Limit & Lowest Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Key: BLUE = Exceeds Evaluation Limit; RED = Exceeds Lowest Standard; PURPLE = Exceeds Both		Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023	Spring 2024	Fall 2024
Well	**Constituent**														
MW-13	pH														
	Specific Conductance														
	Acetone														
	Benzene														
	n-Butylbenzene														
	1,1-Dichloroethane														
	cis-1,2-Dichloroethene														
	trans-1,2-Dichloroethene														
	Vinyl Chloride														
	Carbon Disulfide														
	Chloroethane														
	Isopropylbenzene														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Total Organic Halogens														
	Chloride														
	Fluoride - Dissolved														
	Fluoride - Distilled/Total														
	Sulfate														
	Boron Total														
	Lithium Total														
	Iron Dissolved														
	Iron (Total)														
	Aluminum Total														
	Arsenic														
	Beryllium														
	Cobalt Total														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														
MW-16	pH														
	Specific Conductance														
	Acetone														
	Benzene														
	1,1-Dichloroethane														
	cis-1,2-Dichloroethene														
	trans-1,2-Dichloroethene														
	Vinyl Chloride														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Total Organic Halogens														
	Chloride														
	Fluoride - Dissolved														
	Fluoride - Distilled/Total														
	Sulfate														
	Boron Total														
	Lithium Total														
	Iron Dissolved														
	Iron (Total)														
	Aluminum Total														
	Arsenic														
	Cobalt Total														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														

Table 9
Historic Evaluation Limit & Lowest Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Key: BLUE = Exceeds Evaluation Limit; RED = Exceeds Lowest Standard; PURPLE = Exceeds Both																
Well	**Constituent**	**Spring 2018**	**Fall 2018**	**Spring 2019**	**Fall 2019**	**Spring 2020**	**Fall 2020**	**Spring 2021**	**Fall 2021**	**Spring 2022**	**Fall 2022**	**Spring 2023**	**Fall 2023**	**Spring 2024**	**Fall 2024**
MW-17	pH														
	Specific Conductance														
	Temperature														
	Acetone														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Total Organic Halogens														
	Chloride														
	Fluoride - Dissolved														
	Fluoride - Distilled/Total														
	Sulfate														
	Boron Total														
	Lithium Total														
	Iron Dissolved														
	Aluminum Total														
	Arsenic														
	Beryllium (Total)														
	Cobalt Total														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														
MW-44	pH														
	Specific Conductance														
	Temperature														
	Acetone														
	1,2,4-Trimethylbenzene														
	Xylenes, Total														
	Total Organic Halogens														
	Chloride														
	Fluoride - Dissolved														
	Fluoride - Distilled/Total														
	Sulfate														
	Boron Total														
	Lithium Total														
	Iron Dissolved														
	Iron Total														
	Aluminum Total														
	Arsenic														
	Cobalt Total														
	Lead (Total)														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														

Table 9
Historic Evaluation Limit & Lowest Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Key: BLUE = Exceeds Evaluation Limit; RED = Exceeds Lowest Standard; PURPLE = Exceeds Both																
Well	**Constituent**	**Spring 2018**	**Fall 2018**	**Spring 2019**	**Fall 2019**	**Spring 2020**	**Fall 2020**	**Spring 2021**	**Fall 2021**	**Spring 2022**	**Fall 2022**	**Spring 2023**	**Fall 2023**	**Spring 2024**	**Fall 2024**
MW-45	Specific Conductance														
	Acetone														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Total Organic Halogens														
	Fluoride - Distilled/Total														
	Sulfate														
	Lithium Total														
	Iron Dissolved														
	Iron Total														
	Aluminum Total														
	Arsenic														
	Cobalt Total														
	Lead (Total)														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														
MW-46	pH														
	Specific Conductance														
	Acetone														
	1,2-Dichloroethane														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Phenols														
	Total Organic Halogens														
	Chloride														
	Fluoride - Distilled/Total														
	Iron Dissolved														
	Iron Total														
	Aluminum Total														
	Arsenic														
	Cobalt Total														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														

Table 9
Historic Evaluation Limit & Lowest Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Key: BLUE = Exceeds Evaluation Limit; RED = Exceeds Lowest Standard; PURPLE = Exceeds Both																
Well	**Constituent**	**Spring 2018**	**Fall 2018**	**Spring 2019**	**Fall 2019**	**Spring 2020**	**Fall 2020**	**Spring 2021**	**Fall 2021**	**Spring 2022**	**Fall 2022**	**Spring 2023**	**Fall 2023**	**Spring 2024**	**Fall 2024**
MW-47	pH														
	Specific Conductance														
	Acetone														
	Chloroethane														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Phenols														
	Total Organic Halogens														
	Chloride														
	Fluoride - Dissolved														
	Fluoride - Distilled/Total														
	Sulfate														
	Lithium														
	Iron Dissolved														
	Iron Total														
	Aluminum Total														
	Arsenic														
	Cobalt Total														
	Lead (Total)														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														
MW-48	pH														
	Specific Conductance														
	COD, Block Digestor														
	Total Organic Halogens														
	Chloride														
	Fluoride - Distilled/Total														
	Boron Total														
	Lithium Total														
	Iron Dissolved														
	Iron Total														
	Arsenic														
	Cobalt Total														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														
	Vanadium Total														

Table 9
Historic Evaluation Limit & Lowest Standard Exceedances
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Key: BLUE = Exceeds Evaluation Limit; RED = Exceeds Lowest Standard; PURPLE = Exceeds Both																
Well	**Constituent**	**Spring 2018**	**Fall 2018**	**Spring 2019**	**Fall 2019**	**Spring 2020**	**Fall 2020**	**Spring 2021**	**Fall 2021**	**Spring 2022**	**Fall 2022**	**Spring 2023**	**Fall 2023**	**Spring 2024**	**Fall 2024**
MW-49	pH														
	Specific Conductance														
	Acetone														
	Benzene														
	Xylenes Total														
	Carbon Disulfide														
	Chloroethane														
	Ethylbenzene														
	Toluene														
	Nitrogen, Ammonia														
	COD, Block Digestor														
	Total Organic Halogens														
	Chloride														
	Sulfate														
	Lithium Total														
	Iron Dissolved														
	Iron Total														
	Aluminum Total														
	Arsenic														
	Cadmium (Total)														
	Cobalt Total														
	Lead (Total)														
	Magnesium Total														
	Manganese Total														
	Nickel Total														
	Strontium Total														
	Vanadium Total														
SW-1	Fluoride - dissolved														
	Fluoride - Total														
	Aluminum Total														
	Manganese Total														

Table 10 – Groundwater Quality Assessment Plan Trend Analysis

Table 10
Groundwater Quality Assessment Plan Trend Analysis
2024 Annual Water Quality Report
WDC Acquisition LLC Landfill
Permit No. 88-SDP-04-86P

Well	Parameter	Trend
MW-11	Trichloroethylene, vinyl chloride, strontium, tetrachloroethene, specific conductance, chloride	decreasing
MW-11	pH, COD, fluoride (dissolved)	increasing
MW-12	Boron, 1,1-dichloroethane, chloride	decreasing
MW-12	Total organic halogens	increasing
MW-13	Cis-1,2 dichloroethene, trans-1,2 dichloroethene, specific conductance, total organic halogens, nitrogen-ammonia, vinyl chloride, chloride, iron-dissolved	decreasing
MW-13	pH, sulfate, manganese	increasing
MW-16	pH	increasing
MW-16	Specific conductivity, sulfate, chloride	decreasing
MW-17	Dissolved fluoride, aluminum	increasing
MW-17	Specific conductivity, chloride	decreasing
MW-46	Iron dissolved and total	increasing
MW-47	Cobalt	decreasing
MW-47	Total iron, dissolved iron, arsenic, TOH	increasing

Table 11 – Leachate Management Summary

Table 11
Leachate Management Summary
Monthly Performance Results
WDC Acquisition LLC Landfill
Creston, Iowa
Calendar Years 2023 - 2024

Sample Date	Average Daily Discharge in Gallons[(1)]	Max Daily Discharge in Gallons	Monthly Discharge in Gallons	Cumulative Discharge in Gallons
November 2023	4,193	8,042	125,804	125,804
December 2023	4,139	8,327	128,298	254,102
January 2024	5,113	12,992	158,506	412,608
February 2024	5,526	11,405	160,245	572,853
March 2024	3,777	9,605	117,080	689,933
April 2024	5,347	15,739	160,415	850,348
May 2024	8,738	16,504	270,873	1,121,221
June 2024	8,400	19,171	252,010	1,373,231
July 2024	8,124	14,551	251,845	1,625,076
August 2024	6,820	13,437	211,418	1,836,494
September 2024	6,427	9,272	192,820	2,029,314
October 2024	5,661	11,705	175,500	2,204,814

[(1)] Average calculated based on discharge days for the month, not calendar days.

Recommendations

RECOMMENDATIONS

The following sampling and analytical program is recommended for the 2025 reporting year:

- Continue monitoring, as required by IAC 567-115.26(4)(e) and (f), at all approved hydrologic monitoring system points (MW-7, MW-8, MW-11, MW-12, MW-13, MW-16, MW-17, MW-44, MW-45, MW-46, MW-47, MW 48, MW-49 and SW-01). This includes semiannual monitoring (March and September) for chloride, specific conductance, pH, ammonia as nitrogen, dissolved iron, COD, and temperature with annual analysis for total organic halogens and phenol.
- Continue monitoring, as specified by Special Provision No. 8.c. of the issued landfill Closure Permit #88-SDP-04-86, at all approved hydrologic monitoring system points (MW-7, MW-8, MW-11, MW-12, MW- 13, MW-16, MW-17, MW-44, MW-45, MW-46, MW-47, MW 48, MW-49 and SW-01) for the supplemental parameters listed, including VOCs and specific metals/metalloids. WDC may discuss the analytical results with IDNR to determine if any of the additional testing parameters can be discontinued based on an absence of detections, detections without exceptions, or detections below regulatory standards. If the determination can be made, WDC will petition IDNR for approval to reduce the list of additional parameters in accordance with Special Provision No.8.c. of the issued landfill Closure Permit.
- Collect water levels at all designated monitoring points (MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20, MW-44, MW-45, MW-46, MW-47, MW-48, MW-49), twice per year. Piezometer water levels are collected monthly (IDNR correspondence February 18, 2015).
- Implement the Monitoring Well Maintenance Performance Reevaluation Plan, as required, per Special Provision No. 8.i. of the issued landfill Closure Permit.
- Continue operation of the leachate collection and treatment system and further evaluate the effectiveness of the system on groundwater quality.
- Continue discussions with the laboratory and discuss available options to lower both the Reporting Limits and the Method Detection Limits of the parameters with elevated limits, to the extent practicable.

Supporting Documentation

Groundwater Sampling Field Sheets

WDC Acquisition, LLC Water and Leachate Levels

Date 4/1/24

Weather Overcast, 48°F, E wind @ 10-20 mph, 29.7" Hg

Notes

Well #	Time	Depth to water	Comments
MW-6	12:40	11.74	Slightly Elevated
MW-7	12:41	11.41	Slightly Elevated
MW-8	12:42	11.41	Slightly Elevated.
MW-9	13:00	5.18	Broken Concrete Seal
MW-10	13:01	5.60	Good
MW-11	13:02	5.44	Good
MW-12	12:55	3.69	Slightly Elevated,
MW-13	12:56	4.51	Slightly Elevated
MW-14	12:57	3.54	Slightly Elevated
MW-15	12:51	3.82	Good
MW-16	12:52	4.15	Good
MW-17	12:47	3.26	Good
MW-18	12:48	3.45	Good.
MW-19	13:15	7.10	Good. Poor lock.
MW-20	13:06	15.09	Good.
MW-44	13:22	1.43	Good.
MW-45	13:20	2.72	Good.
MW-46	13:29	4.79	Good. Water in Annular Space
MW-47	13:30	5.00	Good.
MW-48	13:35	2.37	Good.
MW-49	13:34	4.22	Good.
PZ-21	- - -	- - -	
PZ-22	13:10	17.65	4" riser
PZ-24	- - -	- - -	Abandoned
PZ-25	- - -	- - -	Restriction @ 8.6'
PZ-26	13:09	18.31	

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 7
Date: 4/1/2024
Well Depth(Ft-BTOC[1]): 55.35
Screen Interval(Ft): 45-55

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 50.00

Measuring Point: TOC
Water Level (static)(Ft): 11.44

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Fog, 50°F, E wind @ 8 mph, 29.6" Hg
Sample Time:
15:15

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
15:10									
15:13	100		8.45	142.3	1300.4	0.00	7.39	11.05	
15:29		14.92							
15:39		14.90							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 8
Date: 4/1/2024
Well Depth(Ft-BTOC[1]): 32.25
Screen Interval(Ft): 22-32

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 27.00

Measuring Point: TOC
Water Level (static)(Ft): 11.44

Water Level (pumping)(Ft):
Pump rate(mL/min): 125

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes):
Fog, 49°F, ENE wind @ 13-19 mph, 29.7" Hg
Sample Time:
14:45

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
14:06									
14:13	125	11.83	3.29	193.5	388.65	0.00	7.44	10.40	875
14:18	125	11.90	3.16	180.4	385.07	0.00	7.55	10.33	1500
14:23	125	11.99	3.09	171.3	383.06	0.00	7.59	10.31	2125
14:28	125	12.03	3.03	164.1	383.07	0.00	7.61	10.35	2750
14:33	125	12.09	2.94	158.5	382.33	0.00	7.62	10.27	3375
14:38	125	12.12	2.88	153.6	382.22	0.00	7.62	10.31	4000
14:43	125	12.15	2.84	149.1	382.50	0.91	7.63	10.37	4625
14:59		12.23							
15:09		11.80							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 11
Date: 4/2/2024
Well Depth(Ft-BTOC[1]): 17.40
Screen Interval(Ft): 7.5-17.5

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 12.40

Measuring Point: TOC
Water Level (static)(Ft): 4.83

Water Level (pumping)(Ft):
Pump rate(mL/min): 200

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes):
Overcast, 36°F, NNW wind @ 20 mph, 29.8" Hg
Sample Time:
11:45

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
11:19									
11:25	200	5.33	2.98	230.5	2947.8	0.00	6.91	7.00	1200
11:28	200	5.39	2.55	227.2	3020.8	0.00	6.90	7.20	1800
11:31	200	5.41	2.21	224.3	3061.6	0.00	6.87	7.41	2400
11:34	200	5.42	1.93	221.7	3103.8	0.00	6.85	7.36	3000
11:37	200	5.43	1.74	219.2	3132.8	0.00	6.84	7.34	3600
11:40	200	5.44	1.59	216.7	3156.4	0.00	6.82	7.60	4200
11:43	200	5.44	1.45	214.1	3161.4	0.00	6.81	7.76	4800
11:53		5.47							
12:03		4.78							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 12
Date: 4/2/2024
Well Depth(Ft-BTOC[1]): 52.50
Screen Interval(Ft): 42.5-52.5

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 47.50

Measuring Point: TOC
Water Level (static)(Ft): 3.72

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Mostly Cloudy, 41°F, NNW wind @ 25-35 mph, 29.8" Hg
Sample Time:
13:45

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
13:39									
13:43	100		6.20	-123.8	3417.3	0.00	7.25	9.37	
13:59		7.18							
14:09		7.21							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 13
Date: 4/2/2024
Well Depth(Ft-BTOC[1]): 16.80
Screen Interval(Ft): 7-17

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 11.80

Measuring Point: TOC
Water Level (static)(Ft): 4.41

Water Level (pumping)(Ft):
Pump rate(mL/min): 150

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): Duplicate
Overcast, 37°F, NNW wind @ 19 mph, 29.8" Hg
Sample Time:
13:10

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
12:08									
12:12	150	4.89	0.96	137.0	6092.3	8.55	6.81	7.27	600
12:32	150	5.64	0.18	4.6	5251.6	3.95	6.90	7.29	3600
12:36	150	5.73	0.19	-7.8	5250.0	2.17	6.90	7.29	4200
12:40	150	5.81	0.19	-18.6	5258.8	3.93	6.91	7.30	4800
12:44	150	5.95	0.19	-28.2	5294.8	4.49	6.90	7.32	5400
12:48	150	6.06	0.19	-36.6	5318.2	5.79	6.90	7.33	6000
12:52	150	6.11	0.18	-44.0	5315.8	4.82	6.90	7.37	6600
12:56	150	6.12	0.19	-50.5	5332.2	3.18	6.90	7.34	7200
13:00	150	6.13	0.19	-56.7	5305.7	4.22	6.90	7.55	7800
13:04	150	6.13	0.19	-62.0	5319.1	4.73	6.90	7.58	8400
13:08	150	6.17	0.18	-66.7	5308.2	4.44	6.90	7.62	9000
13:27		6.37							
13:37		5.70							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)
Duplicate: HNO3 (x2), HCl (x3), H2SO4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 16
Date: 4/2/2024
Well Depth(Ft-BTOC[1]): 20.05
Screen Interval(Ft): 10-20

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 15.00

Measuring Point: TOC
Water Level (static)(Ft): 3.95

Water Level (pumping)(Ft):
Pump rate(mL/min): 175

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): MS/MSD
Mostly Cloudy, 42°F, NNW wind @ 25-35 mph, 29.7" Hg
Sample Time:
14:30

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
14:14									
14:18	175	4.52	0.57	-33.7	3462.9	0.00	6.19	8.62	700
14:22	175	4.62	0.30	-32.8	3432.1	0.00	6.20	8.56	1400
14:26	175	4.67	0.35	-31.8	3383.5	0.00	6.20	8.43	2100
14:54		4.82							
15:04		4.04							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)
MS: HNO3 (x2), HCl (x3), H2SO4 (x1), No Preservative (x3)
MSD: HNO3 (x2), HCl (x3), H2SO4 (x1), No Preservative (x3)
1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 17
Date: 4/2/2024
Well Depth(Ft-BTOC[1]): 20.10
Screen Interval(Ft): 10-20

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 15.05

Measuring Point: TOC
Water Level (static)(Ft): 2.74

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Cloudy, 45°F, NNW wind @ 25-35 mph, 29.7" Hg
Sample Time:
15:25

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
15:19									
15:23	100		3.89	-12.0	2492.7	0.00	6.72	10.96	
15:36		4.36							
15:46		3.33							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 44
Date: 4/3/2024
Well Depth(Ft-BTOC[1]): 14.85
Screen Interval(Ft): 5-15

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 11.50

Measuring Point: TOC
Water Level (static)(Ft): 1.48

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Partly Cloudy, 40°F, NW wind @ 35-50 mph, 29.8" Hg
Sample Time:
11:05

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
11:02									
11:05	100		4.97	-22.1	1035.1	469.53	7.19	11.86	
11:23		4.16							
11:33		3.93							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 45
Date: 4/3/2024
Well Depth(Ft-BTOC[1]): 39.85
Screen Interval(Ft): 30-40

Well Dia.: 2"
Casing Material: PVC
Sampling Device: GeoTech Peristaltic

Pump Placement(Ft from TOC[2]): 37.00

Measuring Point: TOC
Water Level (static)(Ft): 2.92

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Partly Cloudy, 40°F, NW wind @ 35-50 mph, 29.8" Hg
Sample Time:
10:40

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
10:35									
10:37	100		6.00	-10.2	1879.1	0.23	7.07	11.59	
10:50		6.07							
11:00		6.07							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 46
Date: 4/3/2024
Well Depth(Ft-BTOC[1]): 14.40
Screen Interval(Ft): 5-15

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 10.00

Measuring Point: TOC
Water Level (static)(Ft): 4.63

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes):
Cloudy, 36°F, NW wind @ 30-45 mph, 29.7" Hg
Sample Time:
9:35

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
9:00									
9:05	100	5.11	1.31	-12.3	616.38	21.68	6.65	5.46	500
9:10	100	5.41	0.57	2.6	598.45	8.57	6.58	5.74	1000
9:15	100	5.42	0.93	14.0	588.98	10.31	6.58	6.24	1500
9:20	100	5.44	0.77	21.8	593.92	10.15	6.57	6.29	2000
9:25	100	5.50	0.47	25.9	597.53	9.67	6.56	6.74	2500
9:30	100	5.60	0.36	28.0	595.15	9.32	6.56	7.09	3000
9:35	100	5.69	0.20	29.6	604.17	8.91	6.55	7.24	3500
9:52		5.89							
10:02		5.38							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 47
Date: 4/3/2024
Well Depth(Ft-BTOC[1]): 38.95
Screen Interval(Ft): 29-39

Well Dia.: 2"
Casing Material: PVC
Sampling Device: GeoTech Peristaltic

Pump Placement(Ft from TOC[2]): 34.00

Measuring Point: TOC
Water Level (static)(Ft): 4.97

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Partly Cloudy, 38°F, NNW wind @ 30-45 mph, 29.7" Hg
Sample Time:
10:10

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
10:04									
10:06	100		4.37	27.6	1033.7	19.49	6.96	10.68	
10:20		7.52							
10:30		7.31							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 48
Date: 4/3/2024
Well Depth(Ft-BTOC[1]): 15.05
Screen Interval(Ft): 5-15

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 11.00

Measuring Point: TOC
Water Level (static)(Ft): 2.45

Water Level (pumping)(Ft):
Pump rate(mL/min): 125

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes):
Cloudy, 35°F, NNW wind @ 19 mph, 29.7" Hg
Equipment Blank 7:05
Field Blank 7:35
Sample Time:
8:05

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
7:28									
7:34	125	2.80	0.75	235.4	915.78	0.00	6.50	5.80	750
7:38	125	2.87	0.35	229.2	902.65	0.57	6.52	6.07	1250
7:42	125	2.92	0.26	221.6	899.84	0.00	6.52	6.29	1750
7:46	125	2.96	0.22	214.3	900.61	0.00	6.52	6.46	2250
7:50	125	3.00	0.21	208.3	898.43	0.00	6.52	6.55	2750
7:54	125	3.03	0.19	202.9	895.76	0.00	6.52	6.63	3250
7:58	125	3.06	0.18	197.5	893.96	0.00	6.52	6.76	3750
8:02	125	3.08	0.16	193.4	894.64	0.00	6.53	6.80	4250
8:13		3.11							
8:23		2.40							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)
Equipment Blank: HNO3 (x2), HCl (x3), H2SO4 (x1), No Preservative (x3)
Field Blank: HCl (x3)
1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 49
Date: 4/3/2024
Well Depth(Ft-BTOC[1]): 38.85
Screen Interval(Ft): 29-39

Well Dia.: 2"
Casing Material: PVC
Sampling Device: GeoTech Peristaltic

Pump Placement(Ft from TOC[2]): 33.00

Measuring Point: TOC
Water Level (static)(Ft): 3.52

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Tyler Merritt & Randy Gavin

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Cloudy, 35°F, NW wind @ 25-40 mph, 29.7" Hg
Sample Time:
8:30

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
8:25									
8:28	100		7.79	146.4	2754.1	26.83	6.87	5.22	
8:41		6.17							
8:51		5.87							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x1), No Preservative (x3)

1 casing volume was: N/A
Total volume purged prior to sample collection: N/A
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW7

Upgradient X **Downgradient**

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1290.09 **Ground Elevation** 1287.1

Depth of Well 55.35 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/1/2024 15:09	11.44	1278.65
***After Purging**			
***Before Purging**	4/1/2024 15:09	11.44	1278.65

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Fog, 50°F, E wind @ 8 mph, 29.6" Hg

Field Measurements (after stabilization):

Temperature 11.05 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.39

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,300.4 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW8

Upgradient X **Downgradient**

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1290.03 **Ground Elevation** 1286.7

Depth of Well 32.25 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/1/2024 14:05	11.44	1278.59
***After Purging**	4/1/2024 14:43	12.15	1277.88
***Before Purging**	4/1/2024 14:43	12.15	1277.88

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 1.22

No. of Well Volumes (based on current water level) 0.36

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Fog, 49°F, ENE wind @ 13-19 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 10.37 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.63

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 382.50 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW11

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1263.04 **Ground Elevation** 1260.30

Depth of Well 17.40 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/2/2024 11:18	4.83	1258.21
***After Purging**	4/2/2024 11:43	5.44	1257.60
***Before Purging**	4/2/2024 11:43	5.44	1257.60

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 1.22

No. of Well Volumes (based on current water level) 0.6

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Overcast, 36°F, NNW wind @ 20 mph, 29.8" Hg

Field Measurements (after stabilization):

Temperature 7.76 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.81

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 3,161.4 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW12

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1255.08 **Ground Elevation** 1252.20

Depth of Well 52.50 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/2/2024 13:38	3.72	1251.36
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	4/2/2024 13:38	3.72	1251.36

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Mostly Cloudy, NNW wind @ 25-35 mph, 29.8" Hg

Field Measurements (after stabilization):

Temperature 9.37 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.25

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 3,417.3 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW13

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1255.6 **Ground Elevation** 1252.20

Depth of Well 16.80 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/2/2024 12:07	4.41	1251.19
***After Purging**	4/2/2024 13:08	6.17	1249.43
***Before Purging**	4/2/2024 13:08	6.17	1249.43

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 2.38

No. of Well Volumes (based on current water level) 1.18

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Overcast, 37°F, NNW wind @ 19 mph, 29.8" Hg

Field Measurements (after stabilization):

Temperature 7.62 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.90

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 5,308.2 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Duplicate Sample Obtained

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW16

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1256.26 **Ground Elevation** 1253.02

Depth of Well 20.05 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/2/2024 14:13	3.95	1252.31
***After Purging**	4/2/2024 14:26	4.67	1251.59
***Before Purging**	4/2/2024 14:26	4.67	1251.59

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 0.55

No. of Well Volumes (based on current water level) 0.21

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Mostly Cloudy, 42°F, NNW wind @ 25-35 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 8.43 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.20

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 3,383.5 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

MS/MSD Sample Obtained

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW17

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1259.85 **Ground Elevation** 1256.57

Depth of Well 20.10 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/2/2024 15:18	2.74	1257.11
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	4/2/2024 15:18	2.74	1257.11

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Cloudy, 45°F, NNW wind @ 25-35 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 10.96 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.72

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 2,492.7 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW44

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1259.04 **Ground Elevation** - - - -

Depth of Well 14.85 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/3/2024 11:01	1.48	1257.56
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	4/3/2024 11:01	1.48	1257.56

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Partly Cloudy, 40°F, NW wind @ 35-50 mph, 29.8" Hg

Field Measurements (after stabilization):

Temperature 11.86 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.19

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,035.1 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW45

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1259.27 **Ground Elevation** - - - -

Depth of Well 39.85 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/3/2024 10:34	2.92	1256.35
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	4/3/2024 10:34	2.92	1256.35

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Partly Cloudy, 40°F, NW wind @ 35-50 mph, 29.8" Hg

Field Measurements (after stabilization):

Temperature 11.59 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.07

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,879.1 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW46

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1252.48 **Ground Elevation** - - - -

Depth of Well 14.40 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/3/2024 8:59	4.63	1247.85
***After Purging**	4/3/2024 9:35	5.69	1246.79
***Before Purging**	4/3/2024 9:35	5.69	1246.79

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 0.92

No. of Well Volumes (based on current water level) 0.58

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Cloudy, 36°F, NW wind @ 30-45 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 7.24 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.55

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 604.17 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW47

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1252.49 **Ground Elevation** - - - -

Depth of Well 38.95 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/3/2024 10:03	4.97	1247.52
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	4/3/2024 10:03	4.97	1247.52

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Partly Cloudy, 38°F, NNW wind @ 30-45 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 10.68 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.96

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,033.7 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW48

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1240.82 **Ground Elevation** - - - -

Depth of Well 15.05 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/3/2024 7:27	2.45	1238.37
***After Purging**	4/3/2024 8:02	3.08	1237.74
***Before Purging**	4/3/2024 8:02	3.08	1237.74

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 1.12

No. of Well Volumes (based on current water level) 0.55

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Cloudy, 35°F, NNW wind @ 19 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 6.80 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.53

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 894.64 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Equipment and Field Bottle Blank obtained.

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW49

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1240.69 **Ground Elevation** - - - -

Depth of Well 38.85 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	4/3/2024 8:24	3.52	1237.17
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	4/3/2024 8:24	3.52	1237.17

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Cloudy, 35°F, NW wind @ 25-40 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 5.22 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.87

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 2,754.1 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 4/15/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

SURFACE WATER SAMPLING FORM

Site Name: WDC, Acquisition, LLC | Permit No.: 88-SDP-04-86P

Surface Monitoring Point No.: SW1 | Date/Time: 4/2/24 16:00

Name of person filling out form: Randy Gavin and Tyler Merritt

A. TYPE OF MONITORING POINT

- ☐ Stream
- ☒ Road Ditch
- ☐ Drainage Ditch
- ☐ Open Tile
- ☐ Tile with Riser
- ☐ Other (describe)

B. PURPOSE OF MONITORING POINT

- ☐ Upstream
- ☐ Within Landfill
- ☒ Downstream
- ☐ Other (describe)

C. MONITORING POINT CONDITIONS

General description/condition of monitoring point Surface point is located 10393 Northing 9971 Easting at intake of 42" RCP downstream from landfill

Was monitoring point dry? Yes **Too little water to sample?** No

Was water flowing? ☒ YES ☐ NO

If yes, estimate quantity 2.8 gal/sec **If yes, estimate depth** 18"W x 1.5"D x 24"/sec

Was water discolored? ☐ YES ☒ NO

If yes, describe

Does water have odor? ☐ YES ☒ NO

If yes, describe

Was ground discolored? ☐ YES ☒ NO

If yes, describe

Litter present? ☐ YES ☒ NO

If yes, describe

D. FIELD MEASUREMENT

Weather Conditions Partly Cloudy, 45°F, NW wind @ 25-40 mph, 29.7" Hg

Field Measurements (after stabilization):

Temperature 8.02 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.66 **Equipment Used** In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conditions 1,029.2 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E. 9th St, Des Moines, IA 50319.
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

WDC Acquisition, LLC Water and Leachate Levels

Date 8/26/24

Weather Clear, 73°F, S wind @ 5-10 mph, 30.1" Hg

Notes

Well #	Time	Depth to water	Comments
MW-A	8:45	5.89	Good. Flush mount cap difficult to remove.
MW-6	7:45	12.14	Slightly Elevated
MW-7	7:46	13.10	Slightly Elevated
MW-8	7:47	13.12	Slightly Elevated.
MW-9	8:12	4.75	Good.
MW-10	8:13	5.39	Good.
MW-11	8:14	5.70	Poor Lock
MW-12	8:07	3.80	Slightly Elevated.
MW-13	8:08	4.14	Slightly Elevated
MW-14	8:09	3.38	Slightly Elevated
MW-15	8:05	5.28	Good
MW-16	8:04	5.93	Good
MW-17	8:02	5.43	Good
MW-18	8:01	3.77	Good.
MW-19	8:31	7.83	Good.
MW-20	8:23	14.44	Good. H2O in annular space.
MW-30	9:26	5.05	Good.
MW-35	8:59	7.28	Good.
MW-37	9:12	4.46	Good.
MW-38R	9:20	9.48	Good.
MW-39	9:23	13.48	Good.
MW-41	9:09	8.26	Good.
MW-42	7:54	8.85	Good.
MW-43	7:55	8.84	Good
MW-44	9:33	2.08	Good.
MW-45	9:34	2.29	Good.
MW-46	10:17	6.80	Good.
MW-47	9:59	7.14	Good.
MW-48	10:12	5.29	Good.
MW-49	10:13	5.41	Good.
PZ-21	- - -	- - -	
PZ-22	8:19	16.68	4" riser
PZ-24	8:18	- - -	Abandoned
PZ-25	8:21	- - -	Abandoned
PZ-26	8:20	17.36	

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: A
Date: 8/28/2024
Well Depth(Ft-BTOC[1]): 19.55
Screen Interval(Ft): 10-20

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 16.00

Measuring Point: TOC
Water Level (static)(Ft): 5.90

Water Level (pumping)(Ft):
Pump rate(mL/min): 150

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Cloudy, 68°F, calm, 30.1" Hg
Sample Time:
8:35

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
8:07									
8:12	150	6.36	0.69	-48.8	3985.6	122.07	6.28	20.06	750
8:16	150	6.58	0.39	-47.3	3947.5	61.20	6.28	19.37	1350
8:20	150	6.70	0.32	-43.9	3952.2	57.26	6.28	12.22	1950
8:24	150	6.77	0.28	-42.3	3970.8	36.60	6.28	19.11	2550
8:28	150	6.82	0.27	-39.9	3975.6	35.21	6.28	19.08	3150
8:32	150	6.89	0.24	-37.9	3974.1	37.12	6.28	18.97	3750
8:42		6.97							
8:52		6.20							

Type of Samples collected: HNO_3 (x1), HCl (x3), , No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 7
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 55.35
Screen Interval(Ft): 45-55

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 50.00

Measuring Point: TOC
Water Level (static)(Ft): 13.10

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Clear, 93°F, SSW 10-20 mph, 30.0" Hg
Sample Time:
12:40

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
12:35									
12:39	100		5.56	163.6	2297.0	4.79	6.64	30.05	
13:00		17.94							
13:10		17.90							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 8
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 32.25
Screen Interval(Ft): 22-32

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 27.00

Measuring Point: TOC
Water Level (static)(Ft): 13.12

Water Level (pumping)(Ft):
Pump rate(mL/min): 125

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Clear, 93°F, SSW 10-20 mph, 30.0" Hg
Sample Time:
11:50

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
11:26									
11:33	125	13.54	2.68	202.8	426.43	15.14	6.81	22.72	875
11:38	125	13.59	2.54	200.1	423.07	8.49	6.82	22.38	1500
11:43	125	13.63	2.55	198.9	427.72	8.80	6.76	23.12	2125
11:48	125	13.64	2.58	195.3	427.57	8.62	6.75	23.25	2750
12:14		13.72							
12:24		13.28							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
Rad Samples: HNO_3 (x3)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 11
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 17.40
Screen Interval(Ft): 7.5-17.5

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 12.40

Measuring Point: TOC
Water Level (static)(Ft): 5.48

Water Level (pumping)(Ft):
Pump rate(mL/min): 200

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): DUP-1
Clear, 96°F, SSW 10-20 mph, 30.0" Hg
Sample Time:
14:05

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
13:42									
13:45	200	6.10	0.39	61.0	2707.9	445.01	6.49	22.39	600
13:48	200	6.16	0.33	52.0	2016.3	9.53	6.51	22.00	1200
13:51	200	6.18	0.26	53.3	1562.6	5.29	6.37	21.73	1800
13:54	200	6.19	0.24	55.7	1538.3	5.50	6.33	21.91	2400
13:57	200	6.19	0.22	57.7	1513.1	5.45	6.31	21.64	3000
14:00	200	6.20	0.20	58.7	1515.8	5.05	6.29	21.71	3600
14:43		6.25							
14:53		5.78							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
Rad Samples: HNO_3 (x3)
DUP-1: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 12
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 52.50
Screen Interval(Ft): 42.5-52.5

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 47.50

Measuring Point: TOC
Water Level (static)(Ft): 3.91

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Equipment Blank-1 @ 7:40

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Partly cloudy, 78°F, NNW winds 5-10 mph, 30.0" Hg
Sample Time:
8:25

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
8:20									
8:24	100		2.92	217.0	2913.8	1.02	7.10	19.81	
8:41		8.47							
8:51		8.46							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
Equipment Blank-1 HNO3 (x2), HCl (x3), H2SO4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 13
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 16.80
Screen Interval(Ft): 7-17

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 11.80

Measuring Point: TOC
Water Level (static)(Ft): 4.15

Water Level (pumping)(Ft):
Pump rate(mL/min): 150

Sampling Personnel: Randy Gavin and Tyler Merritt

MW13_MS
MW13_MSD

Other info (such as sample numbers, weather conditions, and field notes):
Clear, 96°F, SSW 15-20 mph, 30.0" Hg
Sample Time:
16:15

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
15:26									
15:33	150	4.68	1.18	-45.7	7496.0	5.39	6.11	24.88	1050
15:37	150	4.89	0.94	-51.5	7458.1	9.15	6.09	23.93	1650
15:41	150	5.16	0.65	-56.1	7332.0	10.89	6.07	23.18	2250
15:45	150	5.28	0.59	-59.8	7346.7	11.20	6.06	23.08	2850
15:49	150	5.38	0.53	-66.3	7310.5	10.75	6.03	23.09	3450
15:53	150	5.47	0.44	-84.4	7249.7	11.02	6.02	23.04	4050
15:57	150	5.55	0.35	-99.8	7090.8	11.15	6.01	22.82	4650
16:01	150	5.61	0.31	-109.7	7012.4	11.20	6.00	22.89	5250
16:05	150	5.64	0.27	-120.0	6892.0	11.33	6.01	22.75	5850
16:09	150	5.70	0.24	-118.8	6842.1	11.15	6.00	22.74	6450
17:09		6.64							
17:19		5.49							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
MS: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
MSD: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
Rad Samples: HNO_3 (x3)
1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 16
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 20.05
Screen Interval(Ft): 10-20

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 15.00

Measuring Point: TOC
Water Level (static)(Ft): 6.00

Water Level (pumping)(Ft):
Pump rate(mL/min): 175

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): FBB-2 @ 9:40
Partly cloudy, 78°F, NNW winds 5-10 mph, 30.0" Hg
Sample Time:
9:20

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
9:01									
9:04	175	6.40	0.65	123.5	2943.7	0.78	6.17	18.54	525
9:08	175	6.61	0.44	109.3	2929.5	3.31	6.15	18.24	1225
9:12	175	6.70	0.33	103.1	2960.8	4.82	6.14	18.02	1925
9:16	175	6.72	0.33	100.7	2962.6	4.95	6.14	18.17	2625
9:34		6.85							
9:44		6.22							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
FBB- 2: , HCl (x3)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 17
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 20.10
Screen Interval(Ft): 10-20

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 15.05

Measuring Point: TOC
Water Level (static)(Ft): 5.56

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Partly cloudy, 81°F, NNW winds 10-20 mph, 30.0" Hg
Sample Time:
10:05

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
10:00									
10:04	100		2.43	100.1	2508.3	2.12	6.63	22.92	
10:22		7.88							
10:32		6.74							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 19
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 22.60
Screen Interval(Ft): 12.5-22.5

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 17.50

Measuring Point: TOC
Water Level (static)(Ft): 7.95

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Partly cloudy, 86°F, SW winds 5-10 mph, 30.0" Hg
Sample Time:
12:30

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
12:01									
12:05	100	8.38	0.73	-3.1	2172.6	1149.2	6.68	25.30	400
12:10	100	8.68	0.44	1.2	2116.3	807.10	6.62	24.33	900
12:15	100	8.92	0.36	-3.2	2104.3	308.35	6.65	23.74	1400
12:20	100	8.99	0.36	-6.8	2136.6	328.70	6.66	24.24	1900
12:25	100	9.03	0.38	-7.5	2138.8	335.02	6.66	24.28	2400
12:49		9.35							
12:59		8.47							

Type of Samples collected:
Rad Samples: HNO_3 (x3)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 20
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 22.80
Screen Interval(Ft): 12.7-22.7

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 18.70

Measuring Point: TOC
Water Level (static)(Ft): 14.44

Water Level (pumping)(Ft):
Pump rate(mL/min): 200

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Partly cloudy, 83°F, WNW winds 5-10 mph, 30.0" Hg
Sample Time:
11:15

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
10:56									
10:59	200	14.60	0.57	-66.4	3841.6	309.42	6.78	23.90	600
11:02	200	14.66	0.41	-67.8	3826.3	203.02	6.73	21.53	1200
11:05	200	14.70	0.34	-71.1	3789.0	92.94	6.74	21.16	1800
11:08	200	14.74	0.29	-75.3	3781.9	88.74	6.77	21.09	2400
11:11	200	14.78	0.27	-77.2	3816.1	85.22	6.75	21.29	3000
11:41		14.92							
11:51		14.66							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)
Rad Samples: HNO_3 (x3)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 30
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 15.50
Screen Interval(Ft): 5.5-15.5

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 10.50

Measuring Point: TOC
Water Level (static)(Ft): 5.05

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Mostly cloudy, 89°F, W wind @ 5-10 mph, 30.0" Hg
Sample Time:
11:00

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
10:55									
10:59	100		1.35	64.4	1146.0	2.15	7.48	23.81	
11:09		5.64							
11:19		5.53							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 35
Date: 8/28/2024
Well Depth(Ft-BTOC[1]): 16.35
Screen Interval(Ft): 6-16

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 14.00

Measuring Point: TOC
Water Level (static)(Ft): 7.26

Water Level (pumping)(Ft):
Pump rate(mL/min): 150

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Cloudy, 72°F, calm, 30.1" Hg
Sample Time:
9:25

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
9:04									
9:08	150	7.43	0.90	-9.1	3472.5	3.34	6.39	19.81	600
9:12	150	7.58	0.31	-25.1	3425.9	1.01	6.39	19.50	1200
9:16	150	7.69	0.25	-30.1	3431.9	1.52	6.39	19.57	1800
9:20	150	7.79	0.21	-32.4	3430.3	2.30	6.39	19.50	2400
9:30		8.00							
9:40		7.78							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 37
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 17.50
Screen Interval(Ft): 7-17

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 14.00

Measuring Point: TOC
Water Level (static)(Ft): 4.46

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Partly cloudy,85°F, E winds 5-10 mph, 30.0" Hg
Sample Time:
11:55

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
11:33									
11:35	100	5.21	1.30	114.8	10512.0	47.82	6.32	23.42	200
11:40	100	5.70	0.42	128.6	10530.0	37.35	6.08	22.72	700
11:45	100	6.21	0.28	138.5	10579.0	5.86	5.90	22.63	1200
11:50	100	6.55	0.31	133.8	10579.0	10.30	5.72	23.62	1700
12:09		7.91							
12:19		7.11							
No Purge next event									

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 38R
Date: 8/28/2024
Well Depth(Ft-BTOC[1]): 24.10
Screen Interval(Ft): 14.2-24.2

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 21.00

Measuring Point: TOC
Water Level (static)(Ft): 9.48

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): Equip Rinse Blank-2 @7:40
Clear, 68°F, calm, 30.1" Hg
Sample Time:
8:30

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
8:03									
8:07	100	9.89	4.19	154.5	1340.7	14.32	6.85	20.89	400
8:12	100	10.20	2.93	140.4	1329.1	3.76	7.01	20.20	900
8:17	100	10.55	2.96	122.1	1313.7	0.84	7.06	19.83	1400
8:22	100	10.71	2.97	115.3	1298.7	0.00	7.08	19.92	1900
8:27	100	10.82	2.93	116.3	1279.9	0.00	7.06	19.88	2400
8:43		10.80							
8:53		10.04							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)
Equip Rinse Blank-2 HNO3 (x2), HCl (x3), H2SO4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 39
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 20.30
Screen Interval(Ft): 10.3-20.3

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 18.00

Measuring Point: TOC
Water Level (static)(Ft): 13.48

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Partly cloudy, 87°F, SSW 5-10 mph, 30.0" Hg
Sample Time:
13:35

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
12:44									
12:48	100	13.63	1.33	123.9	3210.0	1.59	6.08	25.01	400
12:53	100	13.71	1.11	127.9	3146.6	1.18	6.02	24.60	900
12:58	100	13.80	0.77	131.2	3180.7	0.73	5.97	23.94	1400
13:03	100	13.87	0.55	130.8	3211.0	0.69	5.92	23.18	1900
13:08	100	13.95	0.38	131.4	3299.4	0.50	5.90	22.82	2400
13:13	100	13.99	0.37	131.6	3387.3	0.45	5.94	22.81	2900
13:18	100	14.04	0.31	124.8	3605.8	0.49	6.02	22.76	3400
13:23	100	14.08	0.28	121.6	3698.4	0.45	6.06	22.82	3900
13:28	100	14.12	0.25	119.5	3734.5	0.41	6.09	22.42	4400
13:33	100	14.15	0.22	117.8	3740.6	0.39	6.09	22.51	4900
13:43		14.20							
13:53		13.93							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 41
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 19.50
Screen Interval(Ft): 9-19

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 15.00

Measuring Point: TOC
Water Level (static)(Ft): 8.38

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Partly cloudy, 89°F, SSW 5-10 mph, 30.0" Hg
Sample Time:
13:20

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
13:15									
13:19	100		1.13	113.7	3894.2	7.79	6.60	26.50	
13:32		9.80							
13:42		9.73							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 42
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 19.95
Screen Interval(Ft): 10-20

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 15.00

Measuring Point: TOC
Water Level (static)(Ft): 8.85

Water Level (pumping)(Ft):
Pump rate(mL/min): 150

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes):
Clear, 88°F, SSW 10-15 mph, 30.1" Hg
Sample Time:
12:10

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
11:32									
11:34	150	9.34	4.01	148.5	203.67	1.89	5.51	21.30	300
11:38	150	9.40	3.76	150.5	197.48	2.02	5.34	20.68	900
11:42	150	9.52	3.51	153.4	191.52	4.07	5.23	20.11	1500
11:46	150	9.59	3.19	149.4	186.34	4.10	5.23	19.92	2100
11:50	150	9.67	2.99	124.6	184.64	5.86	5.41	19.86	2700
11:54	150	9.71	2.89	119.0	188.46	6.74	5.55	19.78	3300
11:58	150	9.74	2.79	112.0	181.68	3.88	5.57	19.73	3900
12:02	150	9.78	2.78	109.4	181.16	3.75	5.56	19.77	4500
12:06	150	9.81	2.69	106.7	180.55	3.96	5.55	19.72	5100
12:15		9.90							
12:25		9.24							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 43
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 34.95
Screen Interval(Ft): 25-35

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 30.00

Measuring Point: TOC
Water Level (static)(Ft): 8.84

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Clear, 91°F, SW 10-15 mph, 30.0" Hg
Sample Time:
12:35

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
12:30									
12:39	100		5.12	95.8	199.59	1.00	5.25	28.34	
12:47		10.17							
12:57		9.18							

Type of Samples collected: HNO_3 (x1), HCl (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 44
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 14.85
Screen Interval(Ft): 5-15

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 11.50

Measuring Point: TOC
Water Level (static)(Ft): 2.08

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Clear, 93°F, SSW 5-10 mph, 30.0" Hg
Sample Time:
13:20

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
13:14									
13:16	100		0.63	-1.4	1161.9	20.22	6.39	39.35	
13:40		5.86							
13:50		5.40							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 45
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 39.85
Screen Interval(Ft): 30-40

Well Dia.: 2"
Casing Material: PVC
Sampling Device: GeoTech Peristaltic

Pump Placement(Ft from TOC[2]): 37.00

Measuring Point: TOC
Water Level (static)(Ft): 2.29

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Field Bottle Blank-1 @ 14:10

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Clear, 93°F, SSW 10-15 mph, 30.0" Hg
Sample Time:
14:00

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
13:55									
13:58	100		3.27	-47.3	3345.7	2.72	6.55	30.24	
14:16		7.41							
14:26		7.41							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
Field Bottle Blank : HCl (x3)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 46
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 14.40
Screen Interval(Ft): 5-15

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 10.00

Measuring Point: TOC
Water Level (static)(Ft): 6.80

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): DUP-2
Clear, 95°F, SSW 10-15 mph, 30.0" Hg
Sample Time:
15:25

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
14:55									
14:57	100	7.02	0.81	-95.7	1094.2	2.43	6.06	21.27	200
15:02	100	7.18	0.21	-95.1	1112.0	3.57	5.84	21.14	700
15:07	100	7.29	0.18	-91.2	1137.4	1.31	5.79	20.94	1200
15:12	100	7.41	0.14	-78.3	1158.1	0.73	5.75	20.66	1200
15:17	100	7.42	0.14	-78.0	1159.3	1.16	5.72	20.91	1200
15:22	100	7.46	0.13	-74.1	1159.4	0.50	5.73	20.68	1200
16:03		7.74							
16:13		7.28							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
DUP-2: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:
[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 47
Date: 8/26/2024
Well Depth(Ft-BTOC[1]): 38.95
Screen Interval(Ft): 29-39

Well Dia.: 2"
Casing Material: PVC
Sampling Device: GeoTech Peristaltic

Pump Placement(Ft from TOC[2]): 34.00

Measuring Point: TOC
Water Level (static)(Ft): 7.14

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Clear, 96°F, SSW 15-20 mph, 30.0" Hg
Sample Time:
16:25

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
16:18									
16:22	100		0.96	-93.6	3070.9	8.95	.6.37	24.83	
16:41		11.83							
16:51		11.79							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 48
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 15.05
Screen Interval(Ft): 5-15

Well Dia.: 2"
Casing Material: PVC
Sampling Device: Geotech Peristaltic

Pump Placement(Ft from TOC[2]): 11.00

Measuring Point: TOC
Water Level (static)(Ft): 5.30

Water Level (pumping)(Ft):
Pump rate(mL/min): 125

Sampling Personnel: Randy Gavin and Tyler Merritt

MW48 MS

Other info (such as sample numbers, weather conditions, and field notes): MW48 MSD
Clear, 75°F, NNW 5-10 mph, 30.0" Hg
Sample Time:
8:45

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
8:22									
8:26	125	5.58	0.72	81.9	1366.1	1.79	7.23	19.30	500
8:30	125	5.61	0.43	64.3	1372.1	0.00	7.01	19.82	1000
8:34	125	5.65	0.30	49.1	1350.6	0.00	7.09	19.48	1500
8:38	125	5.67	0.24	44.4	1329.7	0.00	7.07	19.61	2000
8:42	125	5.69	0.22	41.5	1312.8	0.04	7.08	19.59	2500
9:50		5.78							
10:00		5.44							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
MS: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
MSD: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)
1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Groundwater Sampling Log

Site Name: WDC Acquisition, LLC
Well #: 49
Date: 8/27/2024
Well Depth(Ft-BTOC[1]): 38.85
Screen Interval(Ft): 29-39

Well Dia.: 2"
Casing Material: PVC
Sampling Device: GeoTech Peristaltic

Pump Placement(Ft from TOC[2]): 33.00

Measuring Point: TOC
Water Level (static)(Ft): 5.41

Water Level (pumping)(Ft):
Pump rate(mL/min): 100

Sampling Personnel: Randy Gavin and Tyler Merritt

Other info (such as sample numbers, weather conditions, and field notes): No Purge
Partly cloudy, 81°F, NNW 5-10 mph, 30.0" Hg
Sample Time:
10:10

Water Quality Indicator Parameters

Time	Pumping Rate (mL/min)	Water level (ft)	DO (mg/L)	ORP (mV)	SEC[3]	Turb. (NTU)	pH	Temp. °C	Volume pumped (mL)
10:04									
10:07	100		2.38	-36.4	3114.7	248.71	7.63	22.86	
10:30		8.96							
10:40		8.53							

Type of Samples collected: HNO_3 (x2), HCl (x3), H_2SO_4 (x3), No Preservative (x2)

1 casing volume was:
Total volume purged prior to sample collection:

[1]BTOC-Below Top of Casing
[2]TOC-Top of Casing
[3]Specific Electrical Conductance

Stabilization Criteria

D.O.	+/- 0.3 mg/l
Turb.	+/- 10%
SEC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW7

Upgradient X **Downgradient**

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1290.09 **Ground Elevation** 1287.1

Depth of Well 55.35 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 0:35	13.10	1276.99
***After Purging**			
***Before Purging**	8/26/2024 0:35	13.10	1276.99

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Clear, 93°F, SSW 10-20 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 30.05 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.64

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 2,297.0 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW8

Upgradient X **Downgradient**

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1290.03 **Ground Elevation** 1286.7

Depth of Well 32.25 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 11:25	13.12	1276.91
***After Purging**	8/26/2024 11:48	13.64	1276.39
***Before Purging**	8/26/2024 11:48	13.64	1276.39

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 0.73

No. of Well Volumes (based on current water level) 0.23

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Clear, 93°F, SSW 10-20 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 23.25 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.75

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 427.57 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW11

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1263.04 **Ground Elevation** 1260.30

Depth of Well 17.40 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 13:43:00 PM	5.70	1257.34
***After Purging**	8/26/2024 14:00:00 PM	6.20	1256.84
***Before Purging**	8/26/2024 14:00:00 PM	6.20	1256.84

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 0.95

No. of Well Volumes (based on current water level) 0.5

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Clear, 96°F, SSW 10-20 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 21.71 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.29

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,515.8 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Duplicate 1 sample obtained

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW12

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1255.08 **Ground Elevation** 1252.20

Depth of Well 52.50 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/27/2024 8:19	3.91	1251.17
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	8/27/2024 8:19	3.91	1251.17

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Partly cloudy, 78°F, NNW winds 5-10 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 19.81 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.10

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 2,913.8 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Equipment Blank-1 obtained @ 7:40 prior to sampling.

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW13

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1255.6 **Ground Elevation** 1252.20

Depth of Well 16.80 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 15:25	4.15	1251.45
***After Purging**	8/26/2024 16:09	5.70	1249.90
***Before Purging**	8/26/2024 16:09	5.70	1249.90

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 1.7

No. of Well Volumes (based on current water level) 0.82

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Clear, 96°F, SSW 15-20 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 22.74 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.00

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 6,842.1 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

MW13 MS/MSD obtained.

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW16

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1256.26 **Ground Elevation** 1253.02

Depth of Well 20.05 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/27/2024 9:00	6.00	1250.26
***After Purging**	8/27/2024 9:16	6.72	1249.54
***Before Purging**	8/27/2024 9:16	6.72	1249.54

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 0.69

No. of Well Volumes (based on current water level) 0.30

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Partly cloudy, 78°F, NNW winds 5-10 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 18.17 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.14

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 2,962.6 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

Field Bottle Blank- 2 obtained @ 9:40.

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW17

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1259.85 **Ground Elevation** 1256.57

Depth of Well 20.10 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/27/2024 9:59	5.56	1254.29
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	8/27/2024 9:59	5.56	1254.29

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Partly cloudy, 81°F, NNW winds 10-20 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 22.92 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.63

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 2,508.3 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW44

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1259.04 **Ground Elevation** - - - -

Depth of Well 14.85 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 13:13	2.08	1256.96
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	8/26/2024 13:13	2.08	1256.96

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Clear, 93°F, SSW 5-10 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 39.35 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.39

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,161.9 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW45

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1259.27 **Ground Elevation** - - - -

Depth of Well 39.85 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 13:54	2.29	1256.98
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	8/26/2024 13:54	2.29	1256.98

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Clear, 93°F, SSW 10-15 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 30.24 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.55

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 3,345.7 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Field Bottle Blank obtained @ 14:10

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW46

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1252.48 **Ground Elevation** - - - -

Depth of Well 14.40 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 14:54	6.80	1245.68
***After Purging**	8/26/2024 15:22	7.46	1245.02
***Before Purging**	8/26/2024 15:22	7.46	1245.02

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 0.32

No. of Well Volumes (based on current water level) 0.26

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Clear, 95°F, SSW 10-15 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 20.68 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 5.73

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,159.4 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

DUP - 2 obtained.

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW47

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1252.49 **Ground Elevation** - - - -

Depth of Well 38.95 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/26/2024 16:17	7.14	1245.35
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	8/26/2024 16:17	7.14	1245.35

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Clear, 96°F, SSW 15-20 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 24.83 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 6.37

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 3,070.9 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW48

Upgradient **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1240.82 **Ground Elevation** - - - -

Depth of Well 15.05 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/27/2024 8:21	5.30	1235.52
***After Purging**	8/27/2024 8:42	5.69	1235.13
***Before Purging**	8/27/2024 8:42	5.69	1235.13

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) 0.66

No. of Well Volumes (based on current water level) 0.42

Was well pumped/bailed dry? No

Equipment used:

Bailer type **Dedicated Bailer?**

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

***D. FIELD MEASUREMENT**

Weather Conditions Clear, 75°F, NNW 5-10 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 19.59 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.08

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 1,312.8 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

Low Flow Protocol

MW48 MS/MSD obtained

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

GROUNDWATER SAMPLING AND/OR GROUNDWATER ELEVATION MEASUREMENT FORM

Site Name WDC Acquisition, LLC **Permit No.** 88-SDP-04-86P

Monitoring Well/Piezometer No. MW49

Upgradient _____ **Downgradient** X

Name of person sampling Randy Gavin and Tyler Merritt

A. MONITORING WELL/PIEZOMETER CONDITIONS

Well/Piezometer Properly Capped? (please check) [X] **Yes** [ ] **No**

If no, explain _____

Standing Water or Litter? (please check) [ ] **Yes** [X] **No**

If yes, explain _____

B. GROUNDWATER ELEVATION MEASUREMENT (± 0.01 foot, MSL)

Elevation:

Top of inner well casing 1240.69 **Ground Elevation** - - - -

Depth of Well 38.85 **Inside Casing Diameter** (in inches) 2

Equipment Used Solinst 101 P7 Water Level Meter

Groundwater Level (± 0.01 foot below top of inner casing, MSL):

	Date/Time	Depth to Groundwater	Groundwater Elevation
Before Purging	8/27/2024 10:03	5.41	1235.28
***After Purging**	- - - -	- - - -	- - - -
***Before Purging**	8/27/2024 10:03	5.41	1235.28

*C. WELL PURGING

Quantity of Water Removed from Well (gallons) - - - -

No. of Well Volumes (based on current water level) - - - -

Was well pumped/bailed dry? No

Equipment used:

Bailer type _____ **Dedicated Bailer?** _____

Pump type Geotech Geopump Peristaltic **Dedicated Pump?** No

If not dedicated, method of cleaning Methanol, liquinox, and deionized water rinses

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E 9th St, Des Moines IA 50319
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

*D. FIELD MEASUREMENT

Weather Conditions Partly cloudy, 81°F, NNW 5-10 mph, 30.0" Hg

Field Measurements (after stabilization):

Temperature 22.86 **Units** °C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

pH 7.63

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Specific Conductance 3,114.7 **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Comments

No Purge Protocol

Certification

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature Randy Gavin **Date** 9/11/2024

Telephone (563) 852-5105 **Fax** **Email** oatech@netins.net

NOTE: Attach Laboratory Report and 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

*Omit if only measuring groundwater elevations.

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Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

SURFACE WATER SAMPLING FORM

Site Name: WDC, Acquisition, LLC | Permit No.: 88 - SDP - 04 - 86P

Surface Monitoring Point No.: SW1 | Date/Time: 8/28/24 09:00

Name of person filling out form: Randy Gavin & Tyler Merritt

A. TYPE OF MONITORING POINT

- ☐ Stream
- ☒ Road Ditch
- ☐ Drainage Ditch
- ☐ Open Tile
- ☐ Tile with Riser
- ☐ Other (describe)

B. PURPOSE OF MONITORING POINT

- ☐ Upstream
- ☐ Within Landfill
- ☒ Downstream
- ☐ Other (describe)

C. MONITORING POINT CONDITIONS

General description/condition of monitoring point Surface point is located at 10393 Northing, 9971 Easting at intake of 42" RCP downstream from the landfill.

Was monitoring point dry? No **Too little water to sample?** Yes

Was water flowing? ☐ **YES** ☒ **NO**

If yes, estimate quantity _____ **If yes, estimate depth** _____

Was water discolored? ☐ **YES** ☒ **NO**

If yes, describe _____

Does water have odor? ☐ **YES** ☒ **NO**

If yes, describe _____

Was ground discolored? ☐ **YES** ☒ **NO**

If yes, describe _____

Litter present? ☐ **YES** ☒ **NO**

If yes, describe _____

D. FIELD MEASUREMENT

Weather Conditions Overcast, 68°F, calm, 30.1" Hg

Field Measurements (after stabilization):

Temperature --- **Units** °C

Equipment Used Horiba U-50 Series Multiparameter Water Quality Meter

pH --- **Equipment Used** Horiba U-50 Series Multiparameter Water Quality Meter

Specific Conditions --- **Units** µmhos/cm @ 25°C

Equipment Used In-Situ AquaTroll 500 Multiparameter Water Quality Meter

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E. 9th St, Des Moines, IA 50319.
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

Comments
No sample submitted

CERTIFICATION

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature _____ **Date** 9/11/24

Telephone 563 852 5105 **Fax** _____ **Email** oatech@netins.net

NOTE: Attach 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E. 9th St, Des Moines, IA 50319.
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

Comments

CERTIFICATION

I certify under penalty of law I believe the information reported above is true, accurate and complete.

Signature _____ **Date** 4/15/24

Telephone (563) 852-5105 **Fax** _____ **Email** oatech@netins.net

NOTE: Attach 8 ½" x 11" site plan showing locations of all surface and groundwater monitoring points. One map per sampling round.

Please mail completed form to: Iowa Department of Natural Resources, Land Quality Bureau, 502 E. 9th St, Des Moines, IA 50319.
Questions? Call or Email: Nina Booker Environmental Engineer Sr., 515-725-8309, nina.booker@dnr.iowa.gov

Laboratory Analytical Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Matt Thelen
WDC Acquisition LLC
1746 Commerce Rd
Creston, Iowa 50801

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JOB DESCRIPTION

Landfill Project (Penn E & R)

JOB NUMBER

310-278063-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by
Mary Yang, Project Management Assistant I
Mary.Yang@ET.EurofinsUS.com
(319)277-2401

Table of Contents

Job Narrative
310-278063-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/3/2024 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.5°C, 1.4°C, 2.0°C and 3.1°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: MW12 (310-278063-5), MW45 (310-278063-10), MW47 (310-278063-12), MW48 (310-278063-13) and MW49 (310-278063-14). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D - Dissolved: The following samples were diluted due to the nature of the sample matrix: MW12 (310-278063-5), MW48 (310-278063-13) and MW49 (310-278063-14). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The following sample(s) was diluted due to the presence of an interferent. >: MW13 (310-278063-6), MW16 (310-278063-7), MW17 (310-278063-8) and Dup1 (310-278063-15). Elevated reporting limits (RLs) are provided.

Method 6020B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples: MW12 (310-278063-5), MW13 (310-278063-6), MW16 (310-278063-7), MW17 (310-278063-8), MW45 (310-278063-10), MW47 (310-278063-12) and MW49 (310-278063-14).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-278063-1	SW1	Water	04/02/24 16:00	04/03/24 16:45
310-278063-2	MW7	Water	04/01/24 15:15	04/03/24 16:45
310-278063-3	MW8	Water	04/01/24 14:45	04/03/24 16:45
310-278063-4	MW11	Water	04/02/24 11:45	04/03/24 16:45
310-278063-5	MW12	Water	04/02/24 13:45	04/03/24 16:45
310-278063-6	MW13	Water	04/02/24 13:10	04/03/24 16:45
310-278063-7	MW16	Water	04/02/24 14:30	04/03/24 16:45
310-278063-8	MW17	Water	04/02/24 15:25	04/03/24 16:45
310-278063-9	MW44	Water	04/03/24 11:05	04/03/24 16:45
310-278063-10	MW45	Water	04/03/24 10:40	04/03/24 16:45
310-278063-11	MW46	Water	04/03/24 09:35	04/03/24 16:45
310-278063-12	MW47	Water	04/03/24 10:10	04/03/24 16:45
310-278063-13	MW48	Water	04/03/24 08:05	04/03/24 16:45
310-278063-14	MW49	Water	04/03/24 08:30	04/03/24 16:45
310-278063-15	Dup1	Water	04/02/24 00:00	04/03/24 16:45
310-278063-18	Equip1	Water	04/03/24 07:05	04/03/24 16:45
310-278063-19	FBBlank1	Water	04/03/24 07:35	04/03/24 16:45
310-278063-20	TB1	Water	04/03/24 00:00	04/03/24 16:45

Detection Summary

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: SW1 — Lab Sample ID: 310-278063-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	162		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	102		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	5.62		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	5.41		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	5.68		0.200	0.0610	mg/L	1		6010D	Total/NA
Aluminum	0.241		0.0500	0.0170	mg/L	1		6020B	Total/NA
Arsenic	0.000888	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.000188	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	46.1		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.0919		0.0100	0.00360	mg/L	1		6020B	Total/NA
Strontium	0.383		0.00100	0.000530	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	19.2		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW7 — Lab Sample ID: 310-278063-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	11.0		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1090		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	0.590	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.619	J	1.00	0.375	mg/L	5		9056A	Dissolved
Boron	1.13		0.200	0.0610	mg/L	1		6010D	Total/NA
Lithium	0.0910		0.0500	0.0240	mg/L	1		6010D	Total/NA
Magnesium	80.9		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.0117		0.0100	0.00360	mg/L	1		6020B	Total/NA
Strontium	1.30		0.00100	0.000530	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	9.68		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW8 — Lab Sample ID: 310-278063-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.50		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	43.3		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.629	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.598	J	1.00	0.375	mg/L	5		9056A	Dissolved
Aluminum	0.0172	J	0.0500	0.0170	mg/L	1		6020B	Total/NA
Magnesium	13.6		0.500	0.150	mg/L	1		6020B	Total/NA
Strontium	0.158		0.00100	0.000530	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	6.49		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW11 — Lab Sample ID: 310-278063-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.328	J	1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	16.6		1.00	0.480	ug/L	1		8260D	Total/NA
Trichloroethene	0.530	J	1.00	0.430	ug/L	1		8260D	Total/NA
Chloride	1020		50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	29.0		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	11.5		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	11.6		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	2.05		0.200	0.0610	mg/L	1		6010D	Total/NA
Aluminum	0.285		0.0500	0.0170	mg/L	1		6020B	Total/NA
Beryllium	0.000357	J	0.00100	0.000330	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW11 (Continued) — Lab Sample ID: 310-278063-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	50.5		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.0725		0.0100	0.00360	mg/L	1		6020B	Total/NA
Nickel	0.00311	J	0.00500	0.00190	mg/L	1		6020B	Total/NA
Strontium	0.630		0.00100	0.000530	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	17.0		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW12 — Lab Sample ID: 310-278063-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.460	J	1.00	0.220	ug/L	1		8260D	Total/NA
Chloride	162		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1950		50.0	21.0	mg/L	50		9056A	Total/NA
Boron	16.8		0.200	0.0610	mg/L	1		6010D	Total/NA
Lithium	0.115		0.0500	0.0240	mg/L	1		6010D	Total/NA
Cobalt	0.00140	J	0.00200	0.000680	mg/L	4		6020B	Total/NA
Magnesium	164		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	3.53		0.0400	0.0144	mg/L	4		6020B	Total/NA
Nickel	0.0163	J	0.0200	0.00760	mg/L	4		6020B	Total/NA
Strontium	2.82		0.00400	0.00212	mg/L	4		6020B	Total/NA
Chemical Oxygen Demand	14.1		5.00	4.80	mg/L	1		5220D LL	Total/NA
Ammonia as N	1.13		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW13 — Lab Sample ID: 310-278063-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	10.6		1.00	0.220	ug/L	1		8260D	Total/NA
Benzene	0.320	J	0.500	0.220	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.662	J	1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	0.633	J	1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	1170		50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	1260		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	46.9		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	47.0		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	125		0.800	0.244	mg/L	4		6010D	Total/NA
Aluminum	3.63		0.350	0.119	mg/L	7		6020B	Total/NA
Arsenic	0.0152		0.0140	0.00371	mg/L	7		6020B	Total/NA
Cobalt	0.0110		0.00350	0.00119	mg/L	7		6020B	Total/NA
Magnesium	453		3.50	1.05	mg/L	7		6020B	Total/NA
Manganese	20.8		0.0700	0.0252	mg/L	7		6020B	Total/NA
Nickel	0.0280	J	0.0350	0.0133	mg/L	7		6020B	Total/NA
Strontium	0.662		0.00700	0.00371	mg/L	7		6020B	Total/NA
Iron	8.13		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	34.2		5.00	4.80	mg/L	1		5220D LL	Total/NA
Ammonia as N	5.43		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW16 — Lab Sample ID: 310-278063-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.607	J	1.00	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	29.9		1.00	0.210	ug/L	1		8260D	Total/NA
Chloride	951	F1	50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	500		50.0	21.0	mg/L	50		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW16 (Continued) — Lab Sample ID: 310-278063-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	2.04		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	2.03		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	68.3		0.400	0.122	mg/L	2		6010D	Total/NA
Aluminum	0.0797	J	0.200	0.0680	mg/L	4		6020B	Total/NA
Cobalt	0.00260		0.00200	0.000680	mg/L	4		6020B	Total/NA
Magnesium	167		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	2.21		0.0400	0.0144	mg/L	4		6020B	Total/NA
Nickel	0.101		0.0200	0.00760	mg/L	4		6020B	Total/NA
Strontium	1.27		0.00400	0.00212	mg/L	4		6020B	Total/NA
Chemical Oxygen Demand	19.2		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW17 — Lab Sample ID: 310-278063-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	431		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	411		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	17.5		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	18.1		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	54.6		0.400	0.122	mg/L	2		6010D	Total/NA
Aluminum	0.750		0.200	0.0680	mg/L	4		6020B	Total/NA
Magnesium	128		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	0.269		0.0400	0.0144	mg/L	4		6020B	Total/NA
Nickel	0.00794	J	0.0200	0.00760	mg/L	4		6020B	Total/NA
Strontium	0.975		0.00400	0.00212	mg/L	4		6020B	Total/NA
Chemical Oxygen Demand	19.2		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW44 — Lab Sample ID: 310-278063-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	45.3		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	80.5		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.426	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.420	J	1.00	0.375	mg/L	5		9056A	Dissolved
Boron	0.139	J	0.200	0.0610	mg/L	1		6010D	Total/NA
Lithium	0.0378	J	0.0500	0.0240	mg/L	1		6010D	Total/NA
Aluminum	0.187		0.0500	0.0170	mg/L	1		6020B	Total/NA
Cobalt	0.000299	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	41.9		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.0263		0.0100	0.00360	mg/L	1		6020B	Total/NA
Strontium	0.525		0.00100	0.000530	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	6.17		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW45 — Lab Sample ID: 310-278063-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.77		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1980		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	0.415	J	1.00	0.375	mg/L	5		9056A	Dissolved
Boron	0.424		0.200	0.0610	mg/L	1		6010D	Total/NA
Lithium	0.153		0.0500	0.0240	mg/L	1		6010D	Total/NA
Arsenic	0.00252	J	0.00800	0.00212	mg/L	4		6020B	Total/NA
Cobalt	0.00602		0.00200	0.000680	mg/L	4		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW45 (Continued) — Lab Sample ID: 310-278063-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	150		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	2.16		0.0400	0.0144	mg/L	4		6020B	Total/NA
Nickel	0.0114	J	0.0200	0.00760	mg/L	4		6020B	Total/NA
Strontium	2.34		0.00400	0.00212	mg/L	4		6020B	Total/NA
Iron	0.227		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	12.2		5.00	4.80	mg/L	1		5220D LL	Total/NA
Ammonia as N	0.491		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW46 — Lab Sample ID: 310-278063-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	61.7		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	16.3		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.709	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.589	J	1.00	0.375	mg/L	5		9056A	Dissolved
Boron	0.591		0.200	0.0610	mg/L	1		6010D	Total/NA
Aluminum	0.182		0.0500	0.0170	mg/L	1		6020B	Total/NA
Arsenic	0.00316		0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.000810		0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	21.2		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.572		0.0100	0.00360	mg/L	1		6020B	Total/NA
Nickel	0.00873		0.00500	0.00190	mg/L	1		6020B	Total/NA
Strontium	0.362		0.00100	0.000530	mg/L	1		6020B	Total/NA
Iron	0.0429	J	0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	59.4		5.00	4.80	mg/L	1		5220D LL	Total/NA
Ammonia as N	0.238		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW47 — Lab Sample ID: 310-278063-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14.7		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1830		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	1.26		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	0.350		0.200	0.0610	mg/L	1		6010D	Total/NA
Lithium	0.0733		0.0500	0.0240	mg/L	1		6010D	Total/NA
Arsenic	0.0127		0.00800	0.00212	mg/L	4		6020B	Total/NA
Cobalt	0.00172	J	0.00200	0.000680	mg/L	4		6020B	Total/NA
Magnesium	110		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	1.37		0.0400	0.0144	mg/L	4		6020B	Total/NA
Nickel	0.0122	J	0.0200	0.00760	mg/L	4		6020B	Total/NA
Strontium	1.61		0.00400	0.00212	mg/L	4		6020B	Total/NA
Iron	2.29		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	14.1		5.00	4.80	mg/L	1		5220D LL	Total/NA
Ammonia as N	0.562		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW48 — Lab Sample ID: 310-278063-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	190		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	26.6		5.00	2.10	mg/L	5		9056A	Total/NA
Boron	0.278		0.200	0.0610	mg/L	1		6010D	Total/NA
Arsenic	0.00116	J	0.00200	0.000530	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW48 (Continued) — Lab Sample ID: 310-278063-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.000941		0.000500	0.000170	mg/L	1		6020B	Total/NA
Magnesium	25.8		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.107		0.0100	0.00360	mg/L	1		6020B	Total/NA
Nickel	0.00368	J	0.00500	0.00190	mg/L	1		6020B	Total/NA
Strontium	0.367		0.00100	0.000530	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	12.9		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: MW49 — Lab Sample ID: 310-278063-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18.7		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1990		50.0	21.0	mg/L	50		9056A	Total/NA
Boron	0.497		0.200	0.0610	mg/L	1		6010D	Total/NA
Lithium	0.0912		0.0500	0.0240	mg/L	1		6010D	Total/NA
Aluminum	0.266		0.200	0.0680	mg/L	4		6020B	Total/NA
Arsenic	0.00853		0.00800	0.00212	mg/L	4		6020B	Total/NA
Cobalt	0.00125	J	0.00200	0.000680	mg/L	4		6020B	Total/NA
Magnesium	74.8		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	0.751		0.0400	0.0144	mg/L	4		6020B	Total/NA
Strontium	1.25		0.00400	0.00212	mg/L	4		6020B	Total/NA
Iron	8.06		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	17.7		5.00	4.80	mg/L	1		5220D LL	Total/NA
Ammonia as N	2.20		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: Dup1 — Lab Sample ID: 310-278063-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	10.5		1.00	0.220	ug/L	1		8260D	Total/NA
Benzene	0.345	J	0.500	0.220	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.632	J	1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	0.765	J	1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	1190		50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	1280		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	46.4		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	46.1		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	133		0.800	0.244	mg/L	4		6010D	Total/NA
Aluminum	3.71		0.350	0.119	mg/L	7		6020B	Total/NA
Arsenic	0.0155		0.0140	0.00371	mg/L	7		6020B	Total/NA
Beryllium	0.00263	J	0.00700	0.00231	mg/L	7		6020B	Total/NA
Cobalt	0.0235		0.00350	0.00119	mg/L	7		6020B	Total/NA
Magnesium	460		3.50	1.05	mg/L	7		6020B	Total/NA
Manganese	21.2		0.0700	0.0252	mg/L	7		6020B	Total/NA
Nickel	0.0548		0.0350	0.0133	mg/L	7		6020B	Total/NA
Strontium	0.672		0.00700	0.00371	mg/L	7		6020B	Total/NA
Iron	7.78		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	30.4		5.00	4.80	mg/L	1		5220D LL	Total/NA
Ammonia as N	5.23		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: Equip1 — Lab Sample ID: 310-278063-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.124	J	0.200	0.0610	mg/L	1		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Equip1 (Continued) — Lab Sample ID: 310-278063-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	7.76		5.00	4.80	mg/L	1		5220D LL	Total/NA

Client Sample ID: FBBlank1 — Lab Sample ID: 310-278063-19

No Detections.

Client Sample ID: TB1 — Lab Sample ID: 310-278063-20

No Detections.

This Detection Summary does not include radiochemical test results.

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: SW1

Date Collected: 04/02/24 16:00
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/04/24 14:15	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/04/24 14:15	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/04/24 14:15	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/04/24 14:15	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/04/24 14:15	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/04/24 14:15	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/04/24 14:15	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/04/24 14:15	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/04/24 14:15	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/04/24 14:15	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/04/24 14:15	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/04/24 14:15	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/04/24 14:15	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/04/24 14:15	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/04/24 14:15	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/04/24 14:15	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/04/24 14:15	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/04/24 14:15	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/04/24 14:15	1
Acetone	<3.10		10.0	3.10	ug/L			04/04/24 14:15	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/04/24 14:15	1
Benzene	<0.220		0.500	0.220	ug/L			04/04/24 14:15	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/04/24 14:15	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/04/24 14:15	1
Bromoform	<0.780		5.00	0.780	ug/L			04/04/24 14:15	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/04/24 14:15	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/04/24 14:15	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/04/24 14:15	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/04/24 14:15	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/04/24 14:15	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/04/24 14:15	1
Chloroform	<1.30		3.00	1.30	ug/L			04/04/24 14:15	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/04/24 14:15	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/04/24 14:15	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/04/24 14:15	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/04/24 14:15	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/04/24 14:15	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/04/24 14:15	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/04/24 14:15	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/04/24 14:15	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/04/24 14:15	1
Styrene	<0.370		1.00	0.370	ug/L			04/04/24 14:15	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/04/24 14:15	1
Toluene	<0.430		1.00	0.430	ug/L			04/04/24 14:15	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/04/24 14:15	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/04/24 14:15	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/04/24 14:15	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/04/24 14:15	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/04/24 14:15	1

Client Sample ID: SW1

Date Collected: 04/02/24 16:00
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/04/24 14:15	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/04/24 14:15	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/04/24 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*73 - 130*		*04/04/24 14:15*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/04/24 14:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*04/04/24 14:15*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		5.00	2.25	mg/L			04/09/24 10:31	5
Sulfate	**102**		5.00	2.10	mg/L			04/09/24 10:31	5
Fluoride	**5.62**		1.00	0.375	mg/L			04/09/24 10:31	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**5.41**		1.00	0.375	mg/L			04/05/24 19:17	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**5.68**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:15	1
Lithium	<0.0240		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:15	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.241**		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 16:03	1
Arsenic	**0.000888**	**J**	0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 16:03	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 16:03	1
Cobalt	**0.000188**	**J**	0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 16:03	1
Magnesium	**46.1**		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 16:03	1
Manganese	**0.0919**		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 16:03	1
Nickel	<0.00190		0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 16:03	1
Strontium	**0.383**		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 16:03	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 21:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**19.2**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:39	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW7

Date Collected: 04/01/24 15:15
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/04/24 14:36	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/04/24 14:36	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/04/24 14:36	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/04/24 14:36	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/04/24 14:36	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/04/24 14:36	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/04/24 14:36	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/04/24 14:36	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/04/24 14:36	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/04/24 14:36	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/04/24 14:36	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/04/24 14:36	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/04/24 14:36	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/04/24 14:36	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/04/24 14:36	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/04/24 14:36	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/04/24 14:36	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/04/24 14:36	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/04/24 14:36	1
Acetone	<3.10		10.0	3.10	ug/L			04/04/24 14:36	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/04/24 14:36	1
Benzene	<0.220		0.500	0.220	ug/L			04/04/24 14:36	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/04/24 14:36	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/04/24 14:36	1
Bromoform	<0.780		5.00	0.780	ug/L			04/04/24 14:36	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/04/24 14:36	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/04/24 14:36	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/04/24 14:36	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/04/24 14:36	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/04/24 14:36	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/04/24 14:36	1
Chloroform	<1.30		3.00	1.30	ug/L			04/04/24 14:36	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/04/24 14:36	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/04/24 14:36	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/04/24 14:36	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/04/24 14:36	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/04/24 14:36	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/04/24 14:36	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/04/24 14:36	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/04/24 14:36	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/04/24 14:36	1
Styrene	<0.370		1.00	0.370	ug/L			04/04/24 14:36	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/04/24 14:36	1
Toluene	<0.430		1.00	0.430	ug/L			04/04/24 14:36	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/04/24 14:36	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/04/24 14:36	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/04/24 14:36	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/04/24 14:36	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/04/24 14:36	1

Client Sample ID: MW7

Date Collected: 04/01/24 15:15
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/04/24 14:36	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/04/24 14:36	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/04/24 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*73 - 130*		*04/04/24 14:36*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/04/24 14:36*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/04/24 14:36*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.0**		5.00	2.25	mg/L			04/09/24 10:44	5
Sulfate	**1090**		50.0	21.0	mg/L			04/09/24 19:58	50
Fluoride	**0.590**	**J**	1.00	0.375	mg/L			04/09/24 10:44	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.619**	**J**	1.00	0.375	mg/L			04/05/24 19:30	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.13**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:19	1
Lithium	**0.0910**		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:19	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0170		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 16:06	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 16:06	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 16:06	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 16:06	1
Magnesium	**80.9**		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 16:06	1
Manganese	**0.0117**		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 16:06	1
Nickel	<0.00190		0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 16:06	1
Strontium	**1.30**		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 16:06	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 21:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**9.68**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:41	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW8

Date Collected: 04/01/24 14:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/04/24 14:58	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/04/24 14:58	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/04/24 14:58	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/04/24 14:58	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/04/24 14:58	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/04/24 14:58	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/04/24 14:58	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/04/24 14:58	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/04/24 14:58	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/04/24 14:58	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/04/24 14:58	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/04/24 14:58	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/04/24 14:58	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/04/24 14:58	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/04/24 14:58	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/04/24 14:58	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/04/24 14:58	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/04/24 14:58	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/04/24 14:58	1
Acetone	<3.10		10.0	3.10	ug/L			04/04/24 14:58	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/04/24 14:58	1
Benzene	<0.220		0.500	0.220	ug/L			04/04/24 14:58	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/04/24 14:58	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/04/24 14:58	1
Bromoform	<0.780		5.00	0.780	ug/L			04/04/24 14:58	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/04/24 14:58	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/04/24 14:58	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/04/24 14:58	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/04/24 14:58	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/04/24 14:58	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/04/24 14:58	1
Chloroform	<1.30		3.00	1.30	ug/L			04/04/24 14:58	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/04/24 14:58	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/04/24 14:58	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/04/24 14:58	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/04/24 14:58	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/04/24 14:58	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/04/24 14:58	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/04/24 14:58	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/04/24 14:58	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/04/24 14:58	1
Styrene	<0.370		1.00	0.370	ug/L			04/04/24 14:58	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/04/24 14:58	1
Toluene	<0.430		1.00	0.430	ug/L			04/04/24 14:58	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/04/24 14:58	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/04/24 14:58	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/04/24 14:58	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/04/24 14:58	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/04/24 14:58	1

Client Sample ID: MW8

Date Collected: 04/01/24 14:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/04/24 14:58	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/04/24 14:58	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/04/24 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*73 - 130*		*04/04/24 14:58*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/04/24 14:58*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*04/04/24 14:58*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.50**		5.00	2.25	mg/L			04/09/24 10:56	5
Sulfate	**43.3**		5.00	2.10	mg/L			04/09/24 10:56	5
Fluoride	**0.629**	**J**	1.00	0.375	mg/L			04/09/24 10:56	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.598**	**J**	1.00	0.375	mg/L			04/05/24 19:42	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0610		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:21	1
Lithium	<0.0240		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:21	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0172**	**J**	0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 16:08	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 16:08	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 16:08	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 16:08	1
Magnesium	**13.6**		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 16:08	1
Manganese	<0.00360		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 16:08	1
Nickel	<0.00190		0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 16:08	1
Strontium	**0.158**		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 16:08	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 21:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**6.49**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:41	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW11

Date Collected: 04/02/24 11:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/04/24 15:20	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/04/24 15:20	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/04/24 15:20	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/04/24 15:20	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/04/24 15:20	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/04/24 15:20	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/04/24 15:20	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/04/24 15:20	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/04/24 15:20	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/04/24 15:20	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/04/24 15:20	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/04/24 15:20	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/04/24 15:20	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/04/24 15:20	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/04/24 15:20	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/04/24 15:20	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/04/24 15:20	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/04/24 15:20	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/04/24 15:20	1
Acetone	<3.10		10.0	3.10	ug/L			04/04/24 15:20	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/04/24 15:20	1
Benzene	<0.220		0.500	0.220	ug/L			04/04/24 15:20	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/04/24 15:20	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/04/24 15:20	1
Bromoform	<0.780		5.00	0.780	ug/L			04/04/24 15:20	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/04/24 15:20	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/04/24 15:20	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/04/24 15:20	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/04/24 15:20	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/04/24 15:20	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/04/24 15:20	1
Chloroform	<1.30		3.00	1.30	ug/L			04/04/24 15:20	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/04/24 15:20	1
cis-1,2-Dichloroethene	**0.328**	**J**	1.00	0.210	ug/L			04/04/24 15:20	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/04/24 15:20	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/04/24 15:20	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/04/24 15:20	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/04/24 15:20	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/04/24 15:20	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/04/24 15:20	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/04/24 15:20	1
Styrene	<0.370		1.00	0.370	ug/L			04/04/24 15:20	1
Tetrachloroethene	**16.6**		1.00	0.480	ug/L			04/04/24 15:20	1
Toluene	<0.430		1.00	0.430	ug/L			04/04/24 15:20	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/04/24 15:20	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/04/24 15:20	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/04/24 15:20	1
Trichloroethene	**0.530**	**J**	1.00	0.430	ug/L			04/04/24 15:20	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/04/24 15:20	1

Client Sample ID: MW11

Date Collected: 04/02/24 11:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/04/24 15:20	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/04/24 15:20	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/04/24 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*73 - 130*		*04/04/24 15:20*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/04/24 15:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*04/04/24 15:20*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1020**		50.0	22.5	mg/L			04/09/24 20:10	50
Sulfate	**29.0**		5.00	2.10	mg/L			04/09/24 11:09	5
Fluoride	**11.5**		1.00	0.375	mg/L			04/09/24 11:09	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**11.6**		1.00	0.375	mg/L			04/05/24 19:55	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**2.05**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:23	1
Lithium	<0.0240		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:23	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.285**		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 16:10	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 16:10	1
Beryllium	**0.000357**	**J**	0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 16:10	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 16:10	1
Magnesium	**50.5**		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 16:10	1
Manganese	**0.0725**		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 16:10	1
Nickel	**0.00311**	**J**	0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 16:10	1
Strontium	**0.630**		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 16:10	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**17.0**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:44	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW12
Date Collected: 04/02/24 13:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/05/24 23:17	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/05/24 23:17	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/05/24 23:17	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/05/24 23:17	1
1,1-Dichloroethane	**0.460**	**J**	1.00	0.220	ug/L			04/05/24 23:17	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/05/24 23:17	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/05/24 23:17	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/05/24 23:17	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/05/24 23:17	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/05/24 23:17	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/05/24 23:17	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/05/24 23:17	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/05/24 23:17	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/05/24 23:17	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/05/24 23:17	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/05/24 23:17	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/05/24 23:17	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/05/24 23:17	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/05/24 23:17	1
Acetone	<3.10		10.0	3.10	ug/L			04/05/24 23:17	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/05/24 23:17	1
Benzene	<0.220		0.500	0.220	ug/L			04/05/24 23:17	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/05/24 23:17	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/05/24 23:17	1
Bromoform	<0.780		5.00	0.780	ug/L			04/05/24 23:17	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/05/24 23:17	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/05/24 23:17	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/05/24 23:17	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/05/24 23:17	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/05/24 23:17	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/05/24 23:17	1
Chloroform	<1.30		3.00	1.30	ug/L			04/05/24 23:17	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/05/24 23:17	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/05/24 23:17	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/05/24 23:17	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/05/24 23:17	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/05/24 23:17	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/05/24 23:17	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/05/24 23:17	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/05/24 23:17	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/05/24 23:17	1
Styrene	<0.370		1.00	0.370	ug/L			04/05/24 23:17	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/05/24 23:17	1
Toluene	<0.430		1.00	0.430	ug/L			04/05/24 23:17	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/05/24 23:17	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/05/24 23:17	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/05/24 23:17	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/05/24 23:17	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/05/24 23:17	1

Client Sample ID: MW12

Date Collected: 04/02/24 13:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/05/24 23:17	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/05/24 23:17	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/05/24 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*73 - 130*		*04/05/24 23:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/05/24 23:17*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*04/05/24 23:17*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		5.00	2.25	mg/L			04/09/24 11:47	5
Sulfate	**1950**		50.0	21.0	mg/L			04/09/24 20:23	50
Fluoride	<0.375		1.00	0.375	mg/L			04/09/24 11:47	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			04/05/24 20:08	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**16.8**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:25	1
Lithium	**0.115**		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:25	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.200	0.0680	mg/L		04/05/24 09:00	04/17/24 16:13	4
Arsenic	<0.00212		0.00800	0.00212	mg/L		04/05/24 09:00	04/17/24 16:13	4
Beryllium	<0.00132		0.00400	0.00132	mg/L		04/05/24 09:00	04/17/24 16:13	4
Cobalt	**0.00140**	**J**	0.00200	0.000680	mg/L		04/05/24 09:00	04/17/24 16:13	4
Magnesium	**164**		2.00	0.600	mg/L		04/05/24 09:00	04/17/24 16:13	4
Manganese	**3.53**		0.0400	0.0144	mg/L		04/05/24 09:00	04/17/24 16:13	4
Nickel	**0.0163**	**J**	0.0200	0.00760	mg/L		04/05/24 09:00	04/17/24 16:13	4
Strontium	**2.82**		0.00400	0.00212	mg/L		04/05/24 09:00	04/17/24 16:13	4

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**14.1**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	**1.13**		0.200	0.100	mg/L			04/09/24 21:44	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW13
Date Collected: 04/02/24 13:10
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/05/24 23:39	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/05/24 23:39	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/05/24 23:39	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/05/24 23:39	1
1,1-Dichloroethane	**10.6**		1.00	0.220	ug/L			04/05/24 23:39	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/05/24 23:39	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/05/24 23:39	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/05/24 23:39	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/05/24 23:39	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/05/24 23:39	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/05/24 23:39	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/05/24 23:39	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/05/24 23:39	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/05/24 23:39	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/05/24 23:39	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/05/24 23:39	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/05/24 23:39	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/05/24 23:39	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/05/24 23:39	1
Acetone	<3.10		10.0	3.10	ug/L			04/05/24 23:39	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/05/24 23:39	1
Benzene	**0.320**	**J**	0.500	0.220	ug/L			04/05/24 23:39	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/05/24 23:39	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/05/24 23:39	1
Bromoform	<0.780		5.00	0.780	ug/L			04/05/24 23:39	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/05/24 23:39	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/05/24 23:39	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/05/24 23:39	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/05/24 23:39	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/05/24 23:39	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/05/24 23:39	1
Chloroform	<1.30		3.00	1.30	ug/L			04/05/24 23:39	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/05/24 23:39	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/05/24 23:39	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/05/24 23:39	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/05/24 23:39	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/05/24 23:39	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/05/24 23:39	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/05/24 23:39	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/05/24 23:39	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/05/24 23:39	1
Styrene	<0.370		1.00	0.370	ug/L			04/05/24 23:39	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/05/24 23:39	1
Toluene	<0.430		1.00	0.430	ug/L			04/05/24 23:39	1
trans-1,2-Dichloroethene	**0.662**	**J**	1.00	0.270	ug/L			04/05/24 23:39	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/05/24 23:39	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/05/24 23:39	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/05/24 23:39	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/05/24 23:39	1

Client Sample ID: MW13

Date Collected: 04/02/24 13:10
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/05/24 23:39	1
Vinyl chloride	**0.633**	**J**	1.00	0.180	ug/L			04/05/24 23:39	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/05/24 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*73 - 130*		*04/05/24 23:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/05/24 23:39*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/05/24 23:39*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1170**		50.0	22.5	mg/L			04/09/24 20:35	50
Sulfate	**1260**		50.0	21.0	mg/L			04/09/24 20:35	50
Fluoride	**46.9**		1.00	0.375	mg/L			04/09/24 11:59	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**47.0**		1.00	0.375	mg/L			04/05/24 20:20	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**125**		0.800	0.244	mg/L		04/09/24 09:00	04/10/24 11:14	4
Lithium	<0.0960		0.200	0.0960	mg/L		04/09/24 09:00	04/10/24 11:14	4

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3.63**		0.350	0.119	mg/L		04/05/24 09:00	04/17/24 16:15	7
Arsenic	**0.0152**		0.0140	0.00371	mg/L		04/05/24 09:00	04/17/24 16:15	7
Beryllium	<0.00231		0.00700	0.00231	mg/L		04/05/24 09:00	04/17/24 16:15	7
Cobalt	**0.0110**		0.00350	0.00119	mg/L		04/05/24 09:00	04/17/24 16:15	7
Magnesium	**453**		3.50	1.05	mg/L		04/05/24 09:00	04/17/24 16:15	7
Manganese	**20.8**		0.0700	0.0252	mg/L		04/05/24 09:00	04/17/24 16:15	7
Nickel	**0.0280**	**J**	0.0350	0.0133	mg/L		04/05/24 09:00	04/17/24 16:15	7
Strontium	**0.662**		0.00700	0.00371	mg/L		04/05/24 09:00	04/17/24 16:15	7

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**8.13**		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**34.2**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	**5.43**		0.200	0.100	mg/L			04/09/24 21:46	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW16

Date Collected: 04/02/24 14:30
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 00:01	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 00:01	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 00:01	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 00:01	1
1,1-Dichloroethane	**0.607**	**J**	1.00	0.220	ug/L			04/06/24 00:01	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 00:01	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 00:01	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 00:01	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 00:01	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 00:01	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 00:01	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 00:01	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 00:01	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 00:01	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 00:01	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 00:01	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 00:01	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 00:01	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 00:01	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 00:01	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 00:01	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 00:01	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 00:01	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 00:01	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 00:01	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 00:01	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 00:01	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 00:01	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 00:01	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 00:01	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 00:01	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 00:01	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 00:01	1
cis-1,2-Dichloroethene	**29.9**		1.00	0.210	ug/L			04/06/24 00:01	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 00:01	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 00:01	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 00:01	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 00:01	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 00:01	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 00:01	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 00:01	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 00:01	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 00:01	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 00:01	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 00:01	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 00:01	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 00:01	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 00:01	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 00:01	1

Client Sample ID: MW16
Date Collected: 04/02/24 14:30
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 00:01	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 00:01	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*73 - 130*		*04/06/24 00:01*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/24 00:01*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*04/06/24 00:01*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**951**	**F1**	50.0	22.5	mg/L			04/09/24 20:48	50
Sulfate	**500**		50.0	21.0	mg/L			04/09/24 20:48	50
Fluoride	**2.04**		1.00	0.375	mg/L			04/09/24 12:12	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**2.03**		1.00	0.375	mg/L			04/05/24 20:33	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**68.3**		0.400	0.122	mg/L		04/09/24 09:00	04/10/24 10:40	2
Lithium	<0.0480		0.100	0.0480	mg/L		04/09/24 09:00	04/10/24 10:40	2

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0797**	**J**	0.200	0.0680	mg/L		04/05/24 09:00	04/17/24 16:17	4
Arsenic	<0.00212		0.00800	0.00212	mg/L		04/05/24 09:00	04/17/24 16:17	4
Beryllium	<0.00132		0.00400	0.00132	mg/L		04/05/24 09:00	04/17/24 16:17	4
Cobalt	**0.00260**		0.00200	0.000680	mg/L		04/05/24 09:00	04/17/24 16:17	4
Magnesium	**167**		2.00	0.600	mg/L		04/05/24 09:00	04/17/24 16:17	4
Manganese	**2.21**		0.0400	0.0144	mg/L		04/05/24 09:00	04/17/24 16:17	4
Nickel	**0.101**		0.0200	0.00760	mg/L		04/05/24 09:00	04/17/24 16:17	4
Strontium	**1.27**		0.00400	0.00212	mg/L		04/05/24 09:00	04/17/24 16:17	4

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**19.2**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:46	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW17

Date Collected: 04/02/24 15:25
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 00:22	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 00:22	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 00:22	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 00:22	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/06/24 00:22	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 00:22	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 00:22	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 00:22	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 00:22	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 00:22	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 00:22	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 00:22	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 00:22	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 00:22	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 00:22	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 00:22	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 00:22	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 00:22	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 00:22	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 00:22	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 00:22	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 00:22	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 00:22	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 00:22	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 00:22	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 00:22	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 00:22	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 00:22	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 00:22	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 00:22	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 00:22	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 00:22	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 00:22	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 00:22	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 00:22	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 00:22	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 00:22	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 00:22	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 00:22	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 00:22	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 00:22	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 00:22	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 00:22	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 00:22	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 00:22	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 00:22	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 00:22	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 00:22	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 00:22	1

Client Sample ID: MW17

Date Collected: 04/02/24 15:25
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 00:22	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 00:22	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*73 - 130*		*04/06/24 00:22*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/06/24 00:22*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*04/06/24 00:22*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**431**		5.00	2.25	mg/L			04/09/24 12:50	5
Sulfate	**411**		5.00	2.10	mg/L			04/09/24 12:50	5
Fluoride	**17.5**		1.00	0.375	mg/L			04/09/24 12:50	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**18.1**		1.00	0.375	mg/L			04/05/24 21:36	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**54.6**		0.400	0.122	mg/L		04/09/24 09:00	04/10/24 11:16	2
Lithium	<0.0480		0.100	0.0480	mg/L		04/09/24 09:00	04/10/24 11:16	2

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.750**		0.200	0.0680	mg/L		04/05/24 09:00	04/17/24 16:39	4
Arsenic	<0.00212		0.00800	0.00212	mg/L		04/05/24 09:00	04/17/24 16:39	4
Beryllium	<0.00132		0.00400	0.00132	mg/L		04/05/24 09:00	04/17/24 16:39	4
Cobalt	<0.000680		0.00200	0.000680	mg/L		04/05/24 09:00	04/17/24 16:39	4
Magnesium	**128**		2.00	0.600	mg/L		04/05/24 09:00	04/17/24 16:39	4
Manganese	**0.269**		0.0400	0.0144	mg/L		04/05/24 09:00	04/17/24 16:39	4
Nickel	**0.00794**	**J**	0.0200	0.00760	mg/L		04/05/24 09:00	04/17/24 16:39	4
Strontium	**0.975**		0.00400	0.00212	mg/L		04/05/24 09:00	04/17/24 16:39	4

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**19.2**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:49	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW44

Date Collected: 04/03/24 11:05
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 00:44	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 00:44	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 00:44	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 00:44	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/06/24 00:44	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 00:44	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 00:44	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 00:44	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 00:44	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 00:44	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 00:44	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 00:44	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 00:44	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 00:44	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 00:44	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 00:44	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 00:44	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 00:44	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 00:44	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 00:44	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 00:44	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 00:44	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 00:44	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 00:44	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 00:44	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 00:44	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 00:44	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 00:44	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 00:44	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 00:44	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 00:44	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 00:44	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 00:44	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 00:44	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 00:44	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 00:44	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 00:44	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 00:44	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 00:44	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 00:44	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 00:44	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 00:44	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 00:44	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 00:44	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 00:44	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 00:44	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 00:44	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 00:44	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 00:44	1

Client Sample ID: MW44

Date Collected: 04/03/24 11:05
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 00:44	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 00:44	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*73 - 130*		*04/06/24 00:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/06/24 00:44*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*04/06/24 00:44*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.3**		5.00	2.25	mg/L			04/09/24 13:02	5
Sulfate	**80.5**		5.00	2.10	mg/L			04/09/24 13:02	5
Fluoride	**0.426**	**J**	1.00	0.375	mg/L			04/09/24 13:02	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.420**	**J**	1.00	0.375	mg/L			04/05/24 21:48	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.139**	**J**	0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:48	1
Lithium	**0.0378**	**J**	0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:48	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.187**		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 16:41	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 16:41	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 16:41	1
Cobalt	**0.000299**	**J**	0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 16:41	1
Magnesium	**41.9**		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 16:41	1
Manganese	**0.0263**		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 16:41	1
Nickel	<0.00190		0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 16:41	1
Strontium	**0.525**		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 16:41	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**6.17**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:49	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW45

Date Collected: 04/03/24 10:40
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 01:06	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 01:06	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 01:06	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 01:06	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/06/24 01:06	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 01:06	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 01:06	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 01:06	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 01:06	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 01:06	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 01:06	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 01:06	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 01:06	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 01:06	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 01:06	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 01:06	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 01:06	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 01:06	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 01:06	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 01:06	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 01:06	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 01:06	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 01:06	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 01:06	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 01:06	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 01:06	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 01:06	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 01:06	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 01:06	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 01:06	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 01:06	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 01:06	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 01:06	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 01:06	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 01:06	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 01:06	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 01:06	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 01:06	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 01:06	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 01:06	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 01:06	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 01:06	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 01:06	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 01:06	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 01:06	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 01:06	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 01:06	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 01:06	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 01:06	1

Client Sample ID: MW45
Date Collected: 04/03/24 10:40
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 01:06	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 01:06	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*73 - 130*		*04/06/24 01:06*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/06/24 01:06*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*04/06/24 01:06*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.77**		5.00	2.25	mg/L			04/09/24 13:15	5
Sulfate	**1980**		50.0	21.0	mg/L			04/09/24 21:51	50
Fluoride	<0.375		1.00	0.375	mg/L			04/09/24 13:15	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.415**	**J**	1.00	0.375	mg/L			04/05/24 22:01	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.424**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:50	1
Lithium	**0.153**		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:50	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.200	0.0680	mg/L		04/05/24 09:00	04/17/24 16:43	4
Arsenic	**0.00252**	**J**	0.00800	0.00212	mg/L		04/05/24 09:00	04/17/24 16:43	4
Beryllium	<0.00132		0.00400	0.00132	mg/L		04/05/24 09:00	04/17/24 16:43	4
Cobalt	**0.00602**		0.00200	0.000680	mg/L		04/05/24 09:00	04/17/24 16:43	4
Magnesium	**150**		2.00	0.600	mg/L		04/05/24 09:00	04/17/24 16:43	4
Manganese	**2.16**		0.0400	0.0144	mg/L		04/05/24 09:00	04/17/24 16:43	4
Nickel	**0.0114**	**J**	0.0200	0.00760	mg/L		04/05/24 09:00	04/17/24 16:43	4
Strontium	**2.34**		0.00400	0.00212	mg/L		04/05/24 09:00	04/17/24 16:43	4

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.227**		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**12.2**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	**0.491**		0.200	0.100	mg/L			04/09/24 21:51	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW46

Date Collected: 04/03/24 09:35
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 05:06	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 05:06	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 05:06	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 05:06	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/06/24 05:06	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 05:06	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 05:06	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 05:06	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 05:06	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 05:06	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 05:06	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 05:06	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 05:06	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 05:06	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 05:06	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 05:06	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 05:06	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 05:06	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 05:06	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 05:06	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 05:06	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 05:06	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 05:06	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 05:06	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 05:06	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 05:06	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 05:06	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 05:06	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 05:06	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 05:06	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 05:06	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 05:06	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 05:06	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 05:06	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 05:06	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 05:06	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 05:06	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 05:06	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 05:06	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 05:06	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 05:06	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 05:06	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 05:06	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 05:06	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 05:06	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 05:06	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 05:06	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 05:06	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 05:06	1

Client Sample ID: MW46
Date Collected: 04/03/24 09:35
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 05:06	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 05:06	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*73 - 130*		*04/06/24 05:06*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/24 05:06*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*04/06/24 05:06*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.7**		5.00	2.25	mg/L			04/09/24 13:28	5
Sulfate	**16.3**		5.00	2.10	mg/L			04/09/24 13:28	5
Fluoride	**0.709**	**J**	1.00	0.375	mg/L			04/09/24 13:28	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.589**	**J**	1.00	0.375	mg/L			04/05/24 22:14	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.591**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:52	1
Lithium	<0.0240		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:52	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.182**		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 16:46	1
Arsenic	**0.00316**		0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 16:46	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 16:46	1
Cobalt	**0.000810**		0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 16:46	1
Magnesium	**21.2**		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 16:46	1
Manganese	**0.572**		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 16:46	1
Nickel	**0.00873**		0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 16:46	1
Strontium	**0.362**		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 16:46	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.0429**	**J**	0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**59.4**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	**0.238**		0.200	0.100	mg/L			04/09/24 21:51	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW47

Date Collected: 04/03/24 10:10
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-12

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 01:28	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 01:28	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 01:28	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 01:28	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/06/24 01:28	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 01:28	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 01:28	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 01:28	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 01:28	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 01:28	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 01:28	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 01:28	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 01:28	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 01:28	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 01:28	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 01:28	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 01:28	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 01:28	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 01:28	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 01:28	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 01:28	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 01:28	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 01:28	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 01:28	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 01:28	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 01:28	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 01:28	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 01:28	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 01:28	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 01:28	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 01:28	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 01:28	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 01:28	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 01:28	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 01:28	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 01:28	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 01:28	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 01:28	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 01:28	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 01:28	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 01:28	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 01:28	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 01:28	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 01:28	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 01:28	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 01:28	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 01:28	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 01:28	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 01:28	1

Client Sample ID: MW47
Date Collected: 04/03/24 10:10
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-12
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 01:28	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 01:28	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*73 - 130*		*04/06/24 01:28*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/24 01:28*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*04/06/24 01:28*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.7**		5.00	2.25	mg/L			04/09/24 13:40	5
Sulfate	**1830**		50.0	21.0	mg/L			04/09/24 22:04	50
Fluoride	<0.375		1.00	0.375	mg/L			04/09/24 13:40	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**1.26**		1.00	0.375	mg/L			04/05/24 22:26	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.350**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:58	1
Lithium	**0.0733**		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:58	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0680		0.200	0.0680	mg/L		04/05/24 09:00	04/17/24 16:50	4
Arsenic	**0.0127**		0.00800	0.00212	mg/L		04/05/24 09:00	04/17/24 16:50	4
Beryllium	<0.00132		0.00400	0.00132	mg/L		04/05/24 09:00	04/17/24 16:50	4
Cobalt	**0.00172**	**J**	0.00200	0.000680	mg/L		04/05/24 09:00	04/17/24 16:50	4
Magnesium	**110**		2.00	0.600	mg/L		04/05/24 09:00	04/17/24 16:50	4
Manganese	**1.37**		0.0400	0.0144	mg/L		04/05/24 09:00	04/17/24 16:50	4
Nickel	**0.0122**	**J**	0.0200	0.00760	mg/L		04/05/24 09:00	04/17/24 16:50	4
Strontium	**1.61**		0.00400	0.00212	mg/L		04/05/24 09:00	04/17/24 16:50	4

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.29**		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**14.1**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	**0.562**		0.200	0.100	mg/L			04/09/24 21:53	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW48

Date Collected: 04/03/24 08:05
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-13

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 01:49	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 01:49	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 01:49	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 01:49	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/06/24 01:49	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 01:49	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 01:49	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 01:49	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 01:49	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 01:49	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 01:49	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 01:49	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 01:49	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 01:49	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 01:49	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 01:49	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 01:49	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 01:49	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 01:49	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 01:49	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 01:49	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 01:49	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 01:49	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 01:49	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 01:49	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 01:49	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 01:49	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 01:49	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 01:49	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 01:49	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 01:49	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 01:49	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 01:49	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 01:49	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 01:49	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 01:49	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 01:49	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 01:49	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 01:49	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 01:49	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 01:49	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 01:49	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 01:49	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 01:49	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 01:49	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 01:49	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 01:49	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 01:49	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 01:49	1

Client Sample ID: MW48
Date Collected: 04/03/24 08:05
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 01:49	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 01:49	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*73 - 130*		*04/06/24 01:49*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/06/24 01:49*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/06/24 01:49*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		5.00	2.25	mg/L			04/09/24 14:18	5
Sulfate	**26.6**		5.00	2.10	mg/L			04/09/24 14:18	5
Fluoride	<0.375		1.00	0.375	mg/L			04/09/24 14:18	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			04/05/24 22:39	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.278**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 11:00	1
Lithium	<0.0240		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 11:00	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0170		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 16:53	1
Arsenic	**0.00116**	**J**	0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 16:53	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 16:53	1
Cobalt	**0.000941**		0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 16:53	1
Magnesium	**25.8**		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 16:53	1
Manganese	**0.107**		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 16:53	1
Nickel	**0.00368**	**J**	0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 16:53	1
Strontium	**0.367**		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 16:53	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**12.9**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			04/09/24 21:54	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW49
Date Collected: 04/03/24 08:30
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 04:00	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 04:00	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 04:00	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 04:00	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/06/24 04:00	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 04:00	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 04:00	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 04:00	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 04:00	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 04:00	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 04:00	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 04:00	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 04:00	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 04:00	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 04:00	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 04:00	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 04:00	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 04:00	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 04:00	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 04:00	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 04:00	1
Benzene	<0.220		0.500	0.220	ug/L			04/06/24 04:00	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 04:00	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 04:00	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 04:00	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 04:00	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 04:00	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 04:00	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 04:00	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 04:00	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 04:00	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 04:00	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 04:00	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 04:00	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 04:00	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 04:00	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 04:00	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 04:00	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 04:00	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 04:00	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 04:00	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 04:00	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 04:00	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 04:00	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/06/24 04:00	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 04:00	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 04:00	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 04:00	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 04:00	1

Client Sample ID: MW49
Date Collected: 04/03/24 08:30
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-14
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 04:00	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/06/24 04:00	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*73 - 130*		*04/06/24 04:00*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/06/24 04:00*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/06/24 04:00*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.7**		5.00	2.25	mg/L			04/09/24 14:30	5
Sulfate	**1990**		50.0	21.0	mg/L			04/09/24 22:16	50
Fluoride	<0.375		1.00	0.375	mg/L			04/09/24 14:30	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			04/05/24 22:51	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.497**		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 11:02	1
Lithium	**0.0912**		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 11:02	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.266**		0.200	0.0680	mg/L		04/05/24 09:00	04/17/24 17:04	4
Arsenic	**0.00853**		0.00800	0.00212	mg/L		04/05/24 09:00	04/17/24 17:04	4
Beryllium	<0.00132		0.00400	0.00132	mg/L		04/05/24 09:00	04/17/24 17:04	4
Cobalt	**0.00125**	**J**	0.00200	0.000680	mg/L		04/05/24 09:00	04/17/24 17:04	4
Magnesium	**74.8**		2.00	0.600	mg/L		04/05/24 09:00	04/17/24 17:04	4
Manganese	**0.751**		0.0400	0.0144	mg/L		04/05/24 09:00	04/17/24 17:04	4
Nickel	<0.00760		0.0200	0.00760	mg/L		04/05/24 09:00	04/17/24 17:04	4
Strontium	**1.25**		0.00400	0.00212	mg/L		04/05/24 09:00	04/17/24 17:04	4

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**8.06**		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**17.7**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	**2.20**		0.200	0.100	mg/L			04/09/24 21:55	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: Dup1

Date Collected: 04/02/24 00:00
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-15

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/06/24 02:11	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/06/24 02:11	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/06/24 02:11	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/06/24 02:11	1
1,1-Dichloroethane	**10.5**		1.00	0.220	ug/L			04/06/24 02:11	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/06/24 02:11	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/06/24 02:11	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/06/24 02:11	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/06/24 02:11	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/06/24 02:11	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/06/24 02:11	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/06/24 02:11	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/06/24 02:11	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/06/24 02:11	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/06/24 02:11	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/06/24 02:11	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/06/24 02:11	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/06/24 02:11	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/06/24 02:11	1
Acetone	<3.10		10.0	3.10	ug/L			04/06/24 02:11	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/06/24 02:11	1
Benzene	**0.345**	**J**	0.500	0.220	ug/L			04/06/24 02:11	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/06/24 02:11	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/06/24 02:11	1
Bromoform	<0.780		5.00	0.780	ug/L			04/06/24 02:11	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/06/24 02:11	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/06/24 02:11	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/06/24 02:11	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/06/24 02:11	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/06/24 02:11	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/06/24 02:11	1
Chloroform	<1.30		3.00	1.30	ug/L			04/06/24 02:11	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/06/24 02:11	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/06/24 02:11	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/06/24 02:11	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/06/24 02:11	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/06/24 02:11	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/06/24 02:11	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/06/24 02:11	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/06/24 02:11	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/06/24 02:11	1
Styrene	<0.370		1.00	0.370	ug/L			04/06/24 02:11	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/06/24 02:11	1
Toluene	<0.430		1.00	0.430	ug/L			04/06/24 02:11	1
trans-1,2-Dichloroethene	**0.632**	**J**	1.00	0.270	ug/L			04/06/24 02:11	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/06/24 02:11	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/06/24 02:11	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/06/24 02:11	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/06/24 02:11	1

Client Sample ID: Dup1

Date Collected: 04/02/24 00:00
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/06/24 02:11	1
Vinyl chloride	**0.765**	**J**	1.00	0.180	ug/L			04/06/24 02:11	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/06/24 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*73 - 130*		*04/06/24 02:11*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/06/24 02:11*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/06/24 02:11*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1190**		50.0	22.5	mg/L			04/09/24 22:29	50
Sulfate	**1280**		50.0	21.0	mg/L			04/09/24 22:29	50
Fluoride	**46.4**		1.00	0.375	mg/L			04/09/24 14:43	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**46.1**		1.00	0.375	mg/L			04/05/24 23:04	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**133**		0.800	0.244	mg/L		04/09/24 09:00	04/10/24 12:21	4
Lithium	<0.0960		0.200	0.0960	mg/L		04/09/24 09:00	04/10/24 12:21	4

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3.71**		0.350	0.119	mg/L		04/05/24 09:00	04/17/24 17:07	7
Arsenic	**0.0155**		0.0140	0.00371	mg/L		04/05/24 09:00	04/17/24 17:07	7
Beryllium	**0.00263**	**J**	0.00700	0.00231	mg/L		04/05/24 09:00	04/17/24 17:07	7
Cobalt	**0.0235**		0.00350	0.00119	mg/L		04/05/24 09:00	04/17/24 17:07	7
Magnesium	**460**		3.50	1.05	mg/L		04/05/24 09:00	04/17/24 17:07	7
Manganese	**21.2**		0.0700	0.0252	mg/L		04/05/24 09:00	04/17/24 17:07	7
Nickel	**0.0548**		0.0350	0.0133	mg/L		04/05/24 09:00	04/17/24 17:07	7
Strontium	**0.672**		0.00700	0.00371	mg/L		04/05/24 09:00	04/17/24 17:07	7

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**7.78**		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**30.4**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	**5.23**		0.200	0.100	mg/L			04/09/24 21:56	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: Equip1

Date Collected: 04/03/24 07:05
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-18

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/05/24 22:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/05/24 22:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/05/24 22:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/05/24 22:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/05/24 22:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/05/24 22:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/05/24 22:55	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/05/24 22:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/05/24 22:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/05/24 22:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/05/24 22:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/05/24 22:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/05/24 22:55	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/05/24 22:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/05/24 22:55	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/05/24 22:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/05/24 22:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/05/24 22:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/05/24 22:55	1
Acetone	<3.10		10.0	3.10	ug/L			04/05/24 22:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/05/24 22:55	1
Benzene	<0.220		0.500	0.220	ug/L			04/05/24 22:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/05/24 22:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/05/24 22:55	1
Bromoform	<0.780		5.00	0.780	ug/L			04/05/24 22:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/05/24 22:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/05/24 22:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/05/24 22:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/05/24 22:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/05/24 22:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/05/24 22:55	1
Chloroform	<1.30		3.00	1.30	ug/L			04/05/24 22:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/05/24 22:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/05/24 22:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/05/24 22:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/05/24 22:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/05/24 22:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/05/24 22:55	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/05/24 22:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/05/24 22:55	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/05/24 22:55	1
Styrene	<0.370		1.00	0.370	ug/L			04/05/24 22:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/05/24 22:55	1
Toluene	<0.430		1.00	0.430	ug/L			04/05/24 22:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/05/24 22:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/05/24 22:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/05/24 22:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/05/24 22:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/05/24 22:55	1

Client Sample ID: Equip1

Date Collected: 04/03/24 07:05
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-18

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/05/24 22:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/05/24 22:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/05/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*73 - 130*		*04/05/24 22:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/05/24 22:55*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*04/05/24 22:55*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.450		1.00	0.450	mg/L			04/09/24 14:55	1
Sulfate	<0.420		1.00	0.420	mg/L			04/09/24 14:55	1
Fluoride	<0.0750		0.200	0.0750	mg/L			04/09/24 14:55	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0750		0.200	0.0750	mg/L			04/05/24 23:17	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.124**	**J**	0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 11:06	1
Lithium	<0.0240		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 11:06	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0170		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 17:09	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 17:09	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 17:09	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 17:09	1
Magnesium	<0.150		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 17:09	1
Manganese	<0.00360		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 17:09	1
Nickel	<0.00190		0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 17:09	1
Strontium	<0.000530		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 17:09	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 22:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**7.76**		5.00	4.80	mg/L			04/12/24 11:00	1
Ammonia as N (EPA 350.1)	<0.100	F1 F2	0.200	0.100	mg/L			04/09/24 21:58	1

Client Sample ID: FBBlank1

Date Collected: 04/03/24 07:35
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-19

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/05/24 22:11	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/05/24 22:11	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/05/24 22:11	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/05/24 22:11	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/05/24 22:11	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/05/24 22:11	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/05/24 22:11	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/05/24 22:11	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/05/24 22:11	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/05/24 22:11	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/05/24 22:11	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/05/24 22:11	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/05/24 22:11	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/05/24 22:11	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/05/24 22:11	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/05/24 22:11	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/05/24 22:11	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/05/24 22:11	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/05/24 22:11	1
Acetone	<3.10		10.0	3.10	ug/L			04/05/24 22:11	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/05/24 22:11	1
Benzene	<0.220		0.500	0.220	ug/L			04/05/24 22:11	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/05/24 22:11	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/05/24 22:11	1
Bromoform	<0.780		5.00	0.780	ug/L			04/05/24 22:11	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/05/24 22:11	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/05/24 22:11	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/05/24 22:11	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/05/24 22:11	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/05/24 22:11	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/05/24 22:11	1
Chloroform	<1.30		3.00	1.30	ug/L			04/05/24 22:11	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/05/24 22:11	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/05/24 22:11	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/05/24 22:11	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/05/24 22:11	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/05/24 22:11	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/05/24 22:11	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/05/24 22:11	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/05/24 22:11	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/05/24 22:11	1
Styrene	<0.370		1.00	0.370	ug/L			04/05/24 22:11	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/05/24 22:11	1
Toluene	<0.430		1.00	0.430	ug/L			04/05/24 22:11	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/05/24 22:11	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/05/24 22:11	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/05/24 22:11	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/05/24 22:11	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/05/24 22:11	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: FBBlank1
Date Collected: 04/03/24 07:35
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-19
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/05/24 22:11	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/05/24 22:11	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/05/24 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*73 - 130*		*04/05/24 22:11*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/05/24 22:11*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/05/24 22:11*	*1*

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: TB1

Date Collected: 04/03/24 00:00
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-20

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/05/24 22:33	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/05/24 22:33	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/05/24 22:33	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/05/24 22:33	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/05/24 22:33	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/05/24 22:33	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/05/24 22:33	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/05/24 22:33	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/05/24 22:33	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/05/24 22:33	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/05/24 22:33	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/05/24 22:33	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/05/24 22:33	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/05/24 22:33	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/05/24 22:33	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/05/24 22:33	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/05/24 22:33	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/05/24 22:33	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/05/24 22:33	1
Acetone	<3.10		10.0	3.10	ug/L			04/05/24 22:33	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/05/24 22:33	1
Benzene	<0.220		0.500	0.220	ug/L			04/05/24 22:33	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/05/24 22:33	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/05/24 22:33	1
Bromoform	<0.780		5.00	0.780	ug/L			04/05/24 22:33	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/05/24 22:33	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/05/24 22:33	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/05/24 22:33	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/05/24 22:33	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/05/24 22:33	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/05/24 22:33	1
Chloroform	<1.30		3.00	1.30	ug/L			04/05/24 22:33	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/05/24 22:33	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/05/24 22:33	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/05/24 22:33	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/05/24 22:33	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/05/24 22:33	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/05/24 22:33	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/05/24 22:33	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/05/24 22:33	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/05/24 22:33	1
Styrene	<0.370		1.00	0.370	ug/L			04/05/24 22:33	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/05/24 22:33	1
Toluene	<0.430		1.00	0.430	ug/L			04/05/24 22:33	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/05/24 22:33	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/05/24 22:33	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/05/24 22:33	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/05/24 22:33	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/05/24 22:33	1

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: TB1
Date Collected: 04/03/24 00:00
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-20
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/05/24 22:33	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/05/24 22:33	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/05/24 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*73 - 130*		*04/05/24 22:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/05/24 22:33*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/05/24 22:33*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)
310-278063-1	SW1	100	102	106
310-278063-2	MW7	96	103	104
310-278063-3	MW8	97	102	105
310-278063-4	MW11	96	100	102
310-278063-5	MW12	95	99	103
310-278063-6	MW13	97	102	104
310-278063-7	MW16	100	101	102
310-278063-7 MS	MW16	97	105	101
310-278063-7 MSD	MW16	95	105	100
310-278063-8	MW17	101	100	106
310-278063-9	MW44	100	99	107
310-278063-10	MW45	98	102	105
310-278063-11	MW46	99	101	103
310-278063-12	MW47	99	101	105
310-278063-13	MW48	99	100	104
310-278063-14	MW49	98	100	104
310-278063-15	Dup1	99	101	104
310-278063-18	Equip1	98	101	103
310-278063-19	FBBlank1	94	97	104
310-278063-20	TB1	97	101	104
LCS 310-417831/6	Lab Control Sample	92	103	105
LCS 310-417831/7	Lab Control Sample	97	102	105
LCS 310-417953/6	Lab Control Sample	93	106	99
LCS 310-417953/7	Lab Control Sample	98	100	103
MB 310-417831/5	Method Blank	98	102	102
MB 310-417953/5	Method Blank	97	102	105

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-417831/5
Matrix: Water
Analysis Batch: 417831

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/04/24 09:53	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/04/24 09:53	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/04/24 09:53	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/04/24 09:53	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/04/24 09:53	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/04/24 09:53	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/04/24 09:53	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/04/24 09:53	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/04/24 09:53	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/04/24 09:53	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/04/24 09:53	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/04/24 09:53	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/04/24 09:53	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/04/24 09:53	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/04/24 09:53	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/04/24 09:53	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/04/24 09:53	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/04/24 09:53	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/04/24 09:53	1
Acetone	<3.10		10.0	3.10	ug/L			04/04/24 09:53	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/04/24 09:53	1
Benzene	<0.220		0.500	0.220	ug/L			04/04/24 09:53	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/04/24 09:53	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/04/24 09:53	1
Bromoform	<0.780		5.00	0.780	ug/L			04/04/24 09:53	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/04/24 09:53	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/04/24 09:53	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/04/24 09:53	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/04/24 09:53	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/04/24 09:53	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/04/24 09:53	1
Chloroform	<1.30		3.00	1.30	ug/L			04/04/24 09:53	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/04/24 09:53	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/04/24 09:53	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/04/24 09:53	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/04/24 09:53	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/04/24 09:53	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/04/24 09:53	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/04/24 09:53	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/04/24 09:53	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/04/24 09:53	1
Styrene	<0.370		1.00	0.370	ug/L			04/04/24 09:53	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/04/24 09:53	1
Toluene	<0.430		1.00	0.430	ug/L			04/04/24 09:53	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/04/24 09:53	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/04/24 09:53	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/04/24 09:53	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/04/24 09:53	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-417831/5
Matrix: Water
Analysis Batch: 417831

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/04/24 09:53	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/04/24 09:53	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/04/24 09:53	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/04/24 09:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*73 - 130*		*04/04/24 09:53*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/04/24 09:53*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*04/04/24 09:53*	*1*

Lab Sample ID: LCS 310-417831/6
Matrix: Water
Analysis Batch: 417831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	16.96		ug/L		85	71 - 120
1,1,1-Trichloroethane	20.0	16.65		ug/L		83	73 - 129
1,1,2,2-Tetrachloroethane	20.0	17.00		ug/L		85	68 - 124
1,1,2-Trichloroethane	20.0	17.63		ug/L		88	73 - 123
1,1-Dichloroethane	20.0	17.37		ug/L		87	70 - 127
1,1-Dichloroethene	20.0	16.94		ug/L		85	63 - 132
1,2,3-Trichloropropane	20.0	18.00		ug/L		90	65 - 127
1,2,4-Trimethylbenzene	20.0	17.83		ug/L		89	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	21.45		ug/L		107	50 - 150
1,2-Dibromoethane (EDB)	20.0	17.07		ug/L		85	75 - 125
1,2-Dichlorobenzene	20.0	19.44		ug/L		97	74 - 120
1,2-Dichloroethane	20.0	16.97		ug/L		85	71 - 125
1,2-Dichloropropane	20.0	16.66		ug/L		83	73 - 124
1,3,5-Trimethylbenzene	20.0	17.40		ug/L		87	73 - 123
1,4-Dichlorobenzene	20.0	19.93		ug/L		100	72 - 120
1,4-Dioxane	400	410.5		ug/L		103	68 - 142
2-Butanone (MEK)	40.0	33.74		ug/L		84	50 - 150
2-Hexanone	40.0	37.69		ug/L		94	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	36.81		ug/L		92	60 - 139
Acetone	40.0	37.45		ug/L		94	50 - 150
Acrylonitrile	200	175.4		ug/L		88	50 - 150
Benzene	20.0	16.16		ug/L		81	72 - 124
Bromochloromethane	20.0	16.51		ug/L		83	73 - 130
Bromodichloromethane	20.0	16.39		ug/L		82	74 - 122
Bromoform	20.0	15.97		ug/L		80	61 - 122
Carbon disulfide	20.0	17.50		ug/L		87	59 - 135
Carbon tetrachloride	20.0	15.69		ug/L		78	67 - 132
Chlorobenzene	20.0	17.19		ug/L		86	76 - 120
Chlorodibromomethane	20.0	16.15		ug/L		81	71 - 121
Chloroform	20.0	17.05		ug/L		85	72 - 125
cis-1,2-Dichloroethene	20.0	17.52		ug/L		88	74 - 123
cis-1,3-Dichloropropene	20.0	17.24		ug/L		86	71 - 125
Dibromomethane	20.0	17.35		ug/L		87	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-417831/6
Matrix: Water
Analysis Batch: 417831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	17.41		ug/L		87	74 - 122
Iodomethane	20.0	11.55		ug/L		58	10 - 150
Isopropylbenzene	20.0	18.03		ug/L		90	73 - 125
Methylene Chloride	20.0	18.92		ug/L		95	50 - 150
n-Butylbenzene	20.0	21.32		ug/L		107	67 - 131
Styrene	20.0	17.59		ug/L		88	74 - 121
Tetrachloroethene	20.0	17.13		ug/L		86	71 - 130
Toluene	20.0	16.87		ug/L		84	74 - 123
trans-1,2-Dichloroethene	20.0	16.80		ug/L		84	70 - 126
trans-1,3-Dichloropropene	20.0	18.21		ug/L		91	69 - 123
trans-1,4-Dichloro-2-butene	20.0	16.64		ug/L		83	50 - 150
Trichloroethene	20.0	16.78		ug/L		84	72 - 126
Vinyl acetate	40.0	35.38		ug/L		88	50 - 150
Xylenes, Total	40.0	34.04		ug/L		85	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*73 - 130*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*

Lab Sample ID: LCS 310-417831/7
Matrix: Water
Analysis Batch: 417831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	13.87		ug/L		69	23 - 150
Chloroethane	20.0	18.47		ug/L		92	54 - 136
Chloromethane	20.0	16.21		ug/L		81	38 - 150
Trichlorofluoromethane	20.0	16.91		ug/L		85	54 - 149
Vinyl chloride	20.0	17.66		ug/L		88	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*73 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 310-417953/5
Matrix: Water
Analysis Batch: 417953

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			04/05/24 21:06	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			04/05/24 21:06	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			04/05/24 21:06	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			04/05/24 21:06	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			04/05/24 21:06	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			04/05/24 21:06	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			04/05/24 21:06	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-417953/5
Matrix: Water
Analysis Batch: 417953

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			04/05/24 21:06	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			04/05/24 21:06	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			04/05/24 21:06	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			04/05/24 21:06	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			04/05/24 21:06	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			04/05/24 21:06	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			04/05/24 21:06	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			04/05/24 21:06	1
1,4-Dioxane	<34.0		100	34.0	ug/L			04/05/24 21:06	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			04/05/24 21:06	1
2-Hexanone	<2.00		10.0	2.00	ug/L			04/05/24 21:06	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			04/05/24 21:06	1
Acetone	<3.10		10.0	3.10	ug/L			04/05/24 21:06	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			04/05/24 21:06	1
Benzene	<0.220		0.500	0.220	ug/L			04/05/24 21:06	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			04/05/24 21:06	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			04/05/24 21:06	1
Bromoform	<0.780		5.00	0.780	ug/L			04/05/24 21:06	1
Bromomethane	<1.10		4.00	1.10	ug/L			04/05/24 21:06	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			04/05/24 21:06	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			04/05/24 21:06	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			04/05/24 21:06	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			04/05/24 21:06	1
Chloroethane	<0.790		4.00	0.790	ug/L			04/05/24 21:06	1
Chloroform	<1.30		3.00	1.30	ug/L			04/05/24 21:06	1
Chloromethane	<0.610		3.00	0.610	ug/L			04/05/24 21:06	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			04/05/24 21:06	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			04/05/24 21:06	1
Dibromomethane	<0.330		1.00	0.330	ug/L			04/05/24 21:06	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			04/05/24 21:06	1
Iodomethane	<7.00		10.0	7.00	ug/L			04/05/24 21:06	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			04/05/24 21:06	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			04/05/24 21:06	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			04/05/24 21:06	1
Styrene	<0.370		1.00	0.370	ug/L			04/05/24 21:06	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			04/05/24 21:06	1
Toluene	<0.430		1.00	0.430	ug/L			04/05/24 21:06	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			04/05/24 21:06	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			04/05/24 21:06	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			04/05/24 21:06	1
Trichloroethene	<0.430		1.00	0.430	ug/L			04/05/24 21:06	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			04/05/24 21:06	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			04/05/24 21:06	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			04/05/24 21:06	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			04/05/24 21:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*73 - 130*		*04/05/24 21:06*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-417953/5
Matrix: Water
Analysis Batch: 417953

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		04/05/24 21:06	1
4-Bromofluorobenzene (Surr)	105		80 - 120		04/05/24 21:06	1

Lab Sample ID: LCS 310-417953/6
Matrix: Water
Analysis Batch: 417953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	17.03		ug/L		85	71 - 120
1,1,1-Trichloroethane	20.0	16.11		ug/L		81	73 - 129
1,1,2,2-Tetrachloroethane	20.0	17.20		ug/L		86	68 - 124
1,1,2-Trichloroethane	20.0	17.10		ug/L		85	73 - 123
1,1-Dichloroethane	20.0	16.65		ug/L		83	70 - 127
1,1-Dichloroethene	20.0	17.02		ug/L		85	63 - 132
1,2,3-Trichloropropane	20.0	18.23		ug/L		91	65 - 127
1,2,4-Trimethylbenzene	20.0	17.37		ug/L		87	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	18.15		ug/L		91	50 - 150
1,2-Dibromoethane (EDB)	20.0	16.64		ug/L		83	75 - 125
1,2-Dichlorobenzene	20.0	17.73		ug/L		89	74 - 120
1,2-Dichloroethane	20.0	16.57		ug/L		83	71 - 125
1,2-Dichloropropane	20.0	16.27		ug/L		81	73 - 124
1,3,5-Trimethylbenzene	20.0	17.28		ug/L		86	73 - 123
1,4-Dichlorobenzene	20.0	18.80		ug/L		94	72 - 120
1,4-Dioxane	400	341.4		ug/L		85	68 - 142
2-Butanone (MEK)	40.0	34.44		ug/L		86	50 - 150
2-Hexanone	40.0	34.87		ug/L		87	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	34.96		ug/L		87	60 - 139
Acetone	40.0	34.13		ug/L		85	50 - 150
Acrylonitrile	200	171.0		ug/L		85	50 - 150
Benzene	20.0	15.76		ug/L		79	72 - 124
Bromochloromethane	20.0	16.14		ug/L		81	73 - 130
Bromodichloromethane	20.0	16.04		ug/L		80	74 - 122
Bromoform	20.0	15.60		ug/L		78	61 - 122
Carbon disulfide	20.0	17.38		ug/L		87	59 - 135
Carbon tetrachloride	20.0	15.26		ug/L		76	67 - 132
Chlorobenzene	20.0	17.18		ug/L		86	76 - 120
Chlorodibromomethane	20.0	15.60		ug/L		78	71 - 121
Chloroform	20.0	16.41		ug/L		82	72 - 125
cis-1,2-Dichloroethene	20.0	16.99		ug/L		85	74 - 123
cis-1,3-Dichloropropene	20.0	16.33		ug/L		82	71 - 125
Dibromomethane	20.0	16.95		ug/L		85	74 - 125
Ethylbenzene	20.0	17.29		ug/L		86	74 - 122
Iodomethane	20.0	11.79		ug/L		59	10 - 150
Isopropylbenzene	20.0	17.52		ug/L		88	73 - 125
Methylene Chloride	20.0	18.41		ug/L		92	50 - 150
n-Butylbenzene	20.0	19.03		ug/L		95	67 - 131
Styrene	20.0	17.21		ug/L		86	74 - 121
Tetrachloroethene	20.0	16.46		ug/L		82	71 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-417953/6
Matrix: Water
Analysis Batch: 417953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	20.0	16.44		ug/L		82	74 - 123
trans-1,2-Dichloroethene	20.0	16.63		ug/L		83	70 - 126
trans-1,3-Dichloropropene	20.0	16.88		ug/L		84	69 - 123
trans-1,4-Dichloro-2-butene	20.0	15.99		ug/L		80	50 - 150
Trichloroethene	20.0	16.13		ug/L		81	72 - 126
Vinyl acetate	40.0	31.98		ug/L		80	50 - 150
Xylenes, Total	40.0	33.09		ug/L		83	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*73 - 130*
Toluene-d8 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 310-417953/7
Matrix: Water
Analysis Batch: 417953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	14.40		ug/L		72	23 - 150
Chloroethane	20.0	17.97		ug/L		90	54 - 136
Chloromethane	20.0	16.92		ug/L		85	38 - 150
Trichlorofluoromethane	20.0	16.53		ug/L		83	54 - 149
Vinyl chloride	20.0	17.53		ug/L		88	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*73 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 417953

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.380		25.0	18.79		ug/L		75	55 - 130
1,1,1-Trichloroethane	<0.190		25.0	17.23		ug/L		69	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		25.0	20.36		ug/L		81	54 - 130
1,1,2-Trichloroethane	<0.450		25.0	19.23		ug/L		77	58 - 130
1,1-Dichloroethane	0.607	J	25.0	18.95		ug/L		73	49 - 130
1,1-Dichloroethene	<0.560		25.0	18.13		ug/L		73	37 - 132
1,2,3-Trichloropropane	<0.590		25.0	20.20		ug/L		81	49 - 130
1,2,4-Trimethylbenzene	<0.420		25.0	19.67		ug/L		79	49 - 130
1,2-Dibromo-3-Chloropropane	<1.20		25.0	22.31		ug/L		89	38 - 150
1,2-Dibromoethane (EDB)	<0.340		25.0	18.87		ug/L		75	60 - 130
1,2-Dichlorobenzene	<0.370		25.0	21.30		ug/L		85	59 - 130
1,2-Dichloroethane	<0.390		25.0	18.36		ug/L		73	51 - 130
1,2-Dichloropropane	<0.270		25.0	18.58		ug/L		74	57 - 130
1,3,5-Trimethylbenzene	<0.370		25.0	18.98		ug/L		76	50 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 417953

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	<0.230		25.0	21.91		ug/L		88	57 - 130
1,4-Dioxane	<34.0		500	594.4		ug/L		119	53 - 142
2-Butanone (MEK)	<2.10		50.0	36.12		ug/L		72	38 - 150
2-Hexanone	<2.00		50.0	38.08		ug/L		76	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	40.05		ug/L		80	47 - 139
Acetone	<3.10		50.0	41.71		ug/L		83	31 - 150
Acrylonitrile	<2.20		250	191.2		ug/L		76	40 - 150
Benzene	<0.220		25.0	17.35		ug/L		69	46 - 130
Bromochloromethane	<0.540		25.0	17.99		ug/L		72	57 - 130
Bromodichloromethane	<0.390		25.0	18.23		ug/L		73	57 - 130
Bromoform	<0.780		25.0	18.01		ug/L		72	44 - 130
Carbon disulfide	<0.450		25.0	19.44		ug/L		78	38 - 135
Carbon tetrachloride	<0.650		25.0	15.97		ug/L		64	45 - 132
Chlorobenzene	<0.400		25.0	19.16		ug/L		77	59 - 130
Chlorodibromomethane	<0.750		25.0	18.08		ug/L		72	54 - 130
Chloroform	<1.30		25.0	18.07		ug/L		72	51 - 130
cis-1,2-Dichloroethene	29.9		25.0	43.46		ug/L		54	45 - 130
cis-1,3-Dichloropropene	<0.250		25.0	17.62		ug/L		70	53 - 130
Dibromomethane	<0.330		25.0	19.52		ug/L		78	59 - 130
Ethylbenzene	<0.310		25.0	18.80		ug/L		75	45 - 130
Iodomethane	<7.00		25.0	13.60		ug/L		54	10 - 150
Isopropylbenzene	<0.350		25.0	19.12		ug/L		76	46 - 130
Methylene Chloride	<1.70		25.0	20.38		ug/L		82	37 - 150
n-Butylbenzene	<0.440		25.0	21.81		ug/L		87	45 - 131
Styrene	<0.370		25.0	19.61		ug/L		78	47 - 130
Tetrachloroethene	<0.480		25.0	16.94		ug/L		68	47 - 130
Toluene	<0.430		25.0	18.34		ug/L		73	51 - 130
trans-1,2-Dichloroethene	<0.270		25.0	18.41		ug/L		74	48 - 130
trans-1,3-Dichloropropene	<0.560		25.0	18.44		ug/L		74	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.65		ug/L		71	26 - 150
Trichloroethene	<0.430		25.0	17.96		ug/L		72	51 - 130
Vinyl acetate	<2.50		50.0	30.66		ug/L		61	29 - 150
Xylenes, Total	<0.400		50.0	37.05		ug/L		74	43 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*73 - 130*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 417953

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		25.0	18.68		ug/L		75	55 - 130	1	20
1,1,1-Trichloroethane	<0.190		25.0	16.49		ug/L		66	52 - 130	4	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	20.12		ug/L		80	54 - 130	1	20
1,1,2-Trichloroethane	<0.450		25.0	18.84		ug/L		75	58 - 130	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 417953

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.607	J	25.0	18.25		ug/L		71	49 - 130	4	20
1,1-Dichloroethene	<0.560		25.0	17.32		ug/L		69	37 - 132	5	26
1,2,3-Trichloropropane	<0.590		25.0	20.21		ug/L		81	49 - 130	0	26
1,2,4-Trimethylbenzene	<0.420		25.0	19.86		ug/L		79	49 - 130	1	25
1,2-Dibromo-3-Chloropropane	<1.20		25.0	21.88		ug/L		88	38 - 150	2	20
1,2-Dibromoethane (EDB)	<0.340		25.0	18.02		ug/L		72	60 - 130	5	20
1,2-Dichlorobenzene	<0.370		25.0	20.71		ug/L		83	59 - 130	3	20
1,2-Dichloroethane	<0.390		25.0	18.01		ug/L		72	51 - 130	2	20
1,2-Dichloropropane	<0.270		25.0	17.89		ug/L		72	57 - 130	4	20
1,3,5-Trimethylbenzene	<0.370		25.0	19.00		ug/L		76	50 - 130	0	32
1,4-Dichlorobenzene	<0.230		25.0	21.23		ug/L		85	57 - 130	3	20
1,4-Dioxane	<34.0		500	591.5		ug/L		118	53 - 142	0	20
2-Butanone (MEK)	<2.10		50.0	38.16		ug/L		76	38 - 150	5	20
2-Hexanone	<2.00		50.0	40.10		ug/L		80	46 - 140	5	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	38.83		ug/L		78	47 - 139	3	20
Acetone	<3.10		50.0	40.73		ug/L		81	31 - 150	2	29
Acrylonitrile	<2.20		250	189.1		ug/L		76	40 - 150	1	20
Benzene	<0.220		25.0	16.85		ug/L		67	46 - 130	3	20
Bromochloromethane	<0.540		25.0	17.82		ug/L		71	57 - 130	1	20
Bromodichloromethane	<0.390		25.0	17.41		ug/L		70	57 - 130	5	20
Bromoform	<0.780		25.0	17.15		ug/L		69	44 - 130	5	20
Carbon disulfide	<0.450		25.0	18.11		ug/L		72	38 - 135	7	30
Carbon tetrachloride	<0.650		25.0	15.53		ug/L		62	45 - 132	3	20
Chlorobenzene	<0.400		25.0	18.02		ug/L		72	59 - 130	6	20
Chlorodibromomethane	<0.750		25.0	17.36		ug/L		69	54 - 130	4	20
Chloroform	<1.30		25.0	17.37		ug/L		69	51 - 130	4	20
cis-1,2-Dichloroethene	29.9		25.0	42.03		ug/L		48	45 - 130	3	20
cis-1,3-Dichloropropene	<0.250		25.0	17.17		ug/L		69	53 - 130	3	20
Dibromomethane	<0.330		25.0	18.35		ug/L		73	59 - 130	6	20
Ethylbenzene	<0.310		25.0	18.39		ug/L		74	45 - 130	2	20
Iodomethane	<7.00		25.0	15.87		ug/L		63	10 - 150	15	35
Isopropylbenzene	<0.350		25.0	18.94		ug/L		76	46 - 130	1	20
Methylene Chloride	<1.70		25.0	19.49		ug/L		78	37 - 150	4	24
n-Butylbenzene	<0.440		25.0	20.92		ug/L		84	45 - 131	4	20
Styrene	<0.370		25.0	18.87		ug/L		75	47 - 130	4	20
Tetrachloroethene	<0.480		25.0	16.77		ug/L		67	47 - 130	1	20
Toluene	<0.430		25.0	17.30		ug/L		69	51 - 130	6	20
trans-1,2-Dichloroethene	<0.270		25.0	17.18		ug/L		69	48 - 130	7	22
trans-1,3-Dichloropropene	<0.560		25.0	18.23		ug/L		73	50 - 130	1	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	17.27		ug/L		69	26 - 150	2	23
Trichloroethene	<0.430		25.0	17.20		ug/L		69	51 - 130	4	20
Vinyl acetate	<2.50		50.0	31.96		ug/L		64	29 - 150	4	23
Xylenes, Total	<0.400		50.0	36.10		ug/L		72	43 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*73 - 130*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-418117/3
Matrix: Water
Analysis Batch: 418117

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0750		0.200	0.0750	mg/L			04/05/24 18:27	1

Lab Sample ID: LCS 310-418117/6
Matrix: Water
Analysis Batch: 418117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.00	2.110		mg/L		105	90 - 110

Lab Sample ID: MB 310-418317/3
Matrix: Water
Analysis Batch: 418317

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.450		1.00	0.450	mg/L			04/09/24 10:06	1
Sulfate	<0.420		1.00	0.420	mg/L			04/09/24 10:06	1
Fluoride	<0.0750		0.200	0.0750	mg/L			04/09/24 10:06	1

Lab Sample ID: LCS 310-418317/4
Matrix: Water
Analysis Batch: 418317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.620		mg/L		96	90 - 110
Sulfate	10.0	10.34		mg/L		103	90 - 110
Fluoride	2.00	2.035		mg/L		102	90 - 110

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 418317

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.04		5.00	6.981		mg/L		99	80 - 120

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 418317

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	951	F1	250	1146	F1	mg/L		78	80 - 120
Sulfate	500		250	757.9		mg/L		103	80 - 120

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 418317

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	2.04		5.00	6.875		mg/L		97	80 - 120	2	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 418317

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	951	F1	250	1150	F1	mg/L		79	80 - 120	0	15
Sulfate	500		250	760.6		mg/L		104	80 - 120	0	15

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 418117

Client Sample ID: MW16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.03		5.00	7.135		mg/L		102	80 - 120

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 418117

Client Sample ID: MW16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	2.03		5.00	7.100		mg/L		101	80 - 120	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 310-418165/1-A
Matrix: Water
Analysis Batch: 418374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 418165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0610		0.200	0.0610	mg/L		04/09/24 09:00	04/10/24 10:11	1
Lithium	<0.0240		0.0500	0.0240	mg/L		04/09/24 09:00	04/10/24 10:11	1

Lab Sample ID: LCS 310-418165/2-A
Matrix: Water
Analysis Batch: 418374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 418165

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	2.00	1.905		mg/L		95	80 - 120
Lithium	2.00	1.912		mg/L		96	80 - 120

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 418374

Client Sample ID: MW16
Prep Type: Total/NA
Prep Batch: 418165

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	68.3		2.00	69.82	4	mg/L		77	75 - 125
Lithium	<0.0480		2.00	1.919		mg/L		96	75 - 125

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 418374

Client Sample ID: MW16
Prep Type: Total/NA
Prep Batch: 418165

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	68.3		2.00	71.21	4	mg/L		147	75 - 125	2	20
Lithium	<0.0480		2.00	1.941		mg/L		97	75 - 125	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 310-278063-1 DU
Matrix: Water
Analysis Batch: 418374

Client Sample ID: SW1
Prep Type: Total/NA
Prep Batch: 418165

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	5.68		5.759		mg/L		1	20
Lithium	<0.0240		<0.0240		mg/L		NC	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-417901/1-A
Matrix: Water
Analysis Batch: 419086

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 417901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0170		0.0500	0.0170	mg/L		04/05/24 09:00	04/17/24 15:59	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		04/05/24 09:00	04/17/24 15:59	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		04/05/24 09:00	04/17/24 15:59	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		04/05/24 09:00	04/17/24 15:59	1
Magnesium	<0.150		0.500	0.150	mg/L		04/05/24 09:00	04/17/24 15:59	1
Manganese	<0.00360		0.0100	0.00360	mg/L		04/05/24 09:00	04/17/24 15:59	1
Nickel	<0.00190		0.00500	0.00190	mg/L		04/05/24 09:00	04/17/24 15:59	1
Strontium	<0.000530		0.00100	0.000530	mg/L		04/05/24 09:00	04/17/24 15:59	1

Lab Sample ID: LCS 310-417901/2-A
Matrix: Water
Analysis Batch: 419086

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 417901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.200	0.2101		mg/L		105	80 - 120
Arsenic	0.200	0.2038		mg/L		102	80 - 120
Beryllium	0.100	0.09560		mg/L		96	80 - 120
Cobalt	0.100	0.1009		mg/L		101	80 - 120
Magnesium	2.00	1.873		mg/L		94	80 - 120
Manganese	0.100	0.09998		mg/L		100	80 - 120
Nickel	0.200	0.2034		mg/L		102	80 - 120
Strontium	0.200	0.1968		mg/L		98	80 - 120

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 419086

Client Sample ID: MW16
Prep Type: Total/NA
Prep Batch: 417901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.0797	J	0.200	0.2735		mg/L		97	75 - 125
Arsenic	<0.00212		0.200	0.2047		mg/L		102	75 - 125
Beryllium	<0.00132		0.100	0.1082		mg/L		108	75 - 125
Cobalt	0.00260		0.100	0.1019		mg/L		99	75 - 125
Magnesium	167		2.00	165.5	4	mg/L		-93	75 - 125
Manganese	2.21		0.100	2.265	4	mg/L		55	75 - 125
Nickel	0.101		0.200	0.2919		mg/L		95	75 - 125
Strontium	1.27		0.200	1.427	4	mg/L		79	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 419086

Client Sample ID: MW16
Prep Type: Total/NA
Prep Batch: 417901

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.0797	J	0.200	0.2935		mg/L		107	75 - 125	7	20
Arsenic	<0.00212		0.200	0.2032		mg/L		102	75 - 125	1	20
Beryllium	<0.00132		0.100	0.1012		mg/L		101	75 - 125	7	20
Cobalt	0.00260		0.100	0.1001		mg/L		98	75 - 125	2	20
Magnesium	167		2.00	163.6	4	mg/L		-187	75 - 125	1	20
Manganese	2.21		0.100	2.228	4	mg/L		19	75 - 125	2	20
Nickel	0.101		0.200	0.2910		mg/L		95	75 - 125	0	20
Strontium	1.27		0.200	1.414	4	mg/L		72	75 - 125	1	20

Lab Sample ID: 310-278063-11 DU
Matrix: Water
Analysis Batch: 419086

Client Sample ID: MW46
Prep Type: Total/NA
Prep Batch: 417901

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	0.182		0.3540	F3	mg/L		64	20
Arsenic	0.00316		0.003247		mg/L		3	20
Beryllium	<0.000330		<0.000330		mg/L		NC	20
Cobalt	0.000810		0.0008410		mg/L		4	20
Magnesium	21.2		21.27		mg/L		0.3	20
Manganese	0.572		0.5715		mg/L		0	20
Nickel	0.00873		0.008745		mg/L		0.1	20
Strontium	0.362		0.3603		mg/L		0.5	20

Lab Sample ID: MB 310-418162/1-A
Matrix: Water
Analysis Batch: 418822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 418162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		04/09/24 09:00	04/15/24 21:41	1

Lab Sample ID: LCS 310-418162/2-A
Matrix: Water
Analysis Batch: 418822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 418162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.200	0.1700		mg/L		85	80 - 120

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 418822

Client Sample ID: MW16
Prep Type: Dissolved
Prep Batch: 418162

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	<0.0360		0.200	0.2127		mg/L		106	75 - 125

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 418822

Client Sample ID: MW16
Prep Type: Dissolved
Prep Batch: 418162

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	<0.0360		0.200	0.2086		mg/L		104	75 - 125	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 310-278063-1 DU
Matrix: Water
Analysis Batch: 418822

Client Sample ID: SW1
Prep Type: Dissolved
Prep Batch: 418162

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Iron	<0.0360			<0.0360		mg/L				NC	20

Method: 5220D LL - COD

Lab Sample ID: MB 310-418543/5
Matrix: Water
Analysis Batch: 418543

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.80		5.00	4.80	mg/L			04/12/24 11:00	1

Lab Sample ID: LCS 310-418543/3
Matrix: Water
Analysis Batch: 418543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			125	129.0		mg/L		103	85 - 115		

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 418543

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	19.2		50.0	69.95		mg/L		101	80 - 148		

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 418543

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	19.2		50.0	68.36		mg/L		98	80 - 148	2	10

Method: EPA 350.1 - Ammonia

Lab Sample ID: MB 310-418277/167
Matrix: Water
Analysis Batch: 418277

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.100		0.200	0.100	mg/L			04/09/24 21:34	1

Lab Sample ID: MB 310-418277/195
Matrix: Water
Analysis Batch: 418277

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.100		0.200	0.100	mg/L			04/09/24 21:56	1

Method: EPA 350.1 - Ammonia (Continued)

Lab Sample ID: LCS 310-418277/168
Matrix: Water
Analysis Batch: 418277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	8.55	8.919		mg/L		104	90 - 110

Lab Sample ID: LCS 310-418277/196
Matrix: Water
Analysis Batch: 418277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	8.55	8.353		mg/L		98	90 - 110

Lab Sample ID: 310-278063-7 MS
Matrix: Water
Analysis Batch: 418277

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	<0.100		1.00	0.9138		mg/L		91	90 - 110

Lab Sample ID: 310-278063-7 MSD
Matrix: Water
Analysis Batch: 418277

Client Sample ID: MW16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	<0.100		1.00	0.9429		mg/L		94	90 - 110	3	10

Lab Sample ID: 310-278063-18 MS
Matrix: Water
Analysis Batch: 418277

Client Sample ID: Equip1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	<0.100	F1 F2	1.00	0.8748	F1	mg/L		87	90 - 110

Lab Sample ID: 310-278063-18 MSD
Matrix: Water
Analysis Batch: 418277

Client Sample ID: Equip1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	<0.100	F1 F2	1.00	0.7413	F1 F2	mg/L		74	90 - 110	17	10

GC/MS VOA

Analysis Batch: 417831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	8260D	
310-278063-2	MW7	Total/NA	Water	8260D	
310-278063-3	MW8	Total/NA	Water	8260D	
310-278063-4	MW11	Total/NA	Water	8260D	
MB 310-417831/5	Method Blank	Total/NA	Water	8260D	
LCS 310-417831/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-417831/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 417953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-5	MW12	Total/NA	Water	8260D	
310-278063-6	MW13	Total/NA	Water	8260D	
310-278063-7	MW16	Total/NA	Water	8260D	
310-278063-8	MW17	Total/NA	Water	8260D	
310-278063-9	MW44	Total/NA	Water	8260D	
310-278063-10	MW45	Total/NA	Water	8260D	
310-278063-11	MW46	Total/NA	Water	8260D	
310-278063-12	MW47	Total/NA	Water	8260D	
310-278063-13	MW48	Total/NA	Water	8260D	
310-278063-14	MW49	Total/NA	Water	8260D	
310-278063-15	Dup1	Total/NA	Water	8260D	
310-278063-18	Equip1	Total/NA	Water	8260D	
310-278063-19	FBBlank1	Total/NA	Water	8260D	
310-278063-20	TB1	Total/NA	Water	8260D	
MB 310-417953/5	Method Blank	Total/NA	Water	8260D	
LCS 310-417953/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-417953/7	Lab Control Sample	Total/NA	Water	8260D	
310-278063-7 MS	MW16	Total/NA	Water	8260D	
310-278063-7 MSD	MW16	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 418117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Dissolved	Water	9056A	
310-278063-2	MW7	Dissolved	Water	9056A	
310-278063-3	MW8	Dissolved	Water	9056A	
310-278063-4	MW11	Dissolved	Water	9056A	
310-278063-5	MW12	Dissolved	Water	9056A	
310-278063-6	MW13	Dissolved	Water	9056A	
310-278063-7	MW16	Dissolved	Water	9056A	
310-278063-8	MW17	Dissolved	Water	9056A	
310-278063-9	MW44	Dissolved	Water	9056A	
310-278063-10	MW45	Dissolved	Water	9056A	
310-278063-11	MW46	Dissolved	Water	9056A	
310-278063-12	MW47	Dissolved	Water	9056A	
310-278063-13	MW48	Dissolved	Water	9056A	
310-278063-14	MW49	Dissolved	Water	9056A	
310-278063-15	Dup1	Dissolved	Water	9056A	
310-278063-18	Equip1	Dissolved	Water	9056A	
MB 310-418117/3	Method Blank	Total/NA	Water	9056A	

HPLC/IC (Continued)

Analysis Batch: 418117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-418117/6	Lab Control Sample	Total/NA	Water	9056A	
310-278063-7 MS	MW16	Dissolved	Water	9056A	
310-278063-7 MSD	MW16	Dissolved	Water	9056A	

Analysis Batch: 418317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	9056A	
310-278063-2	MW7	Total/NA	Water	9056A	
310-278063-2	MW7	Total/NA	Water	9056A	
310-278063-3	MW8	Total/NA	Water	9056A	
310-278063-4	MW11	Total/NA	Water	9056A	
310-278063-4	MW11	Total/NA	Water	9056A	
310-278063-5	MW12	Total/NA	Water	9056A	
310-278063-5	MW12	Total/NA	Water	9056A	
310-278063-6	MW13	Total/NA	Water	9056A	
310-278063-6	MW13	Total/NA	Water	9056A	
310-278063-7	MW16	Total/NA	Water	9056A	
310-278063-7	MW16	Total/NA	Water	9056A	
310-278063-8	MW17	Total/NA	Water	9056A	
310-278063-9	MW44	Total/NA	Water	9056A	
310-278063-10	MW45	Total/NA	Water	9056A	
310-278063-10	MW45	Total/NA	Water	9056A	
310-278063-11	MW46	Total/NA	Water	9056A	
310-278063-12	MW47	Total/NA	Water	9056A	
310-278063-12	MW47	Total/NA	Water	9056A	
310-278063-13	MW48	Total/NA	Water	9056A	
310-278063-14	MW49	Total/NA	Water	9056A	
310-278063-14	MW49	Total/NA	Water	9056A	
310-278063-15	Dup1	Total/NA	Water	9056A	
310-278063-15	Dup1	Total/NA	Water	9056A	
310-278063-18	Equip1	Total/NA	Water	9056A	
MB 310-418317/3	Method Blank	Total/NA	Water	9056A	
LCS 310-418317/4	Lab Control Sample	Total/NA	Water	9056A	
310-278063-7 MS	MW16	Total/NA	Water	9056A	
310-278063-7 MS	MW16	Total/NA	Water	9056A	
310-278063-7 MSD	MW16	Total/NA	Water	9056A	
310-278063-7 MSD	MW16	Total/NA	Water	9056A	

Metals

Prep Batch: 417901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	3005A	
310-278063-2	MW7	Total/NA	Water	3005A	
310-278063-3	MW8	Total/NA	Water	3005A	
310-278063-4	MW11	Total/NA	Water	3005A	
310-278063-5	MW12	Total/NA	Water	3005A	
310-278063-6	MW13	Total/NA	Water	3005A	
310-278063-7	MW16	Total/NA	Water	3005A	
310-278063-8	MW17	Total/NA	Water	3005A	
310-278063-9	MW44	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 417901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-10	MW45	Total/NA	Water	3005A	
310-278063-11	MW46	Total/NA	Water	3005A	
310-278063-12	MW47	Total/NA	Water	3005A	
310-278063-13	MW48	Total/NA	Water	3005A	
310-278063-14	MW49	Total/NA	Water	3005A	
310-278063-15	Dup1	Total/NA	Water	3005A	
310-278063-18	Equip1	Total/NA	Water	3005A	
MB 310-417901/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-417901/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-278063-7 MS	MW16	Total/NA	Water	3005A	
310-278063-7 MSD	MW16	Total/NA	Water	3005A	
310-278063-11 DU	MW46	Total/NA	Water	3005A	

Prep Batch: 418162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Dissolved	Water	3005A	
310-278063-2	MW7	Dissolved	Water	3005A	
310-278063-3	MW8	Dissolved	Water	3005A	
310-278063-4	MW11	Dissolved	Water	3005A	
310-278063-5	MW12	Dissolved	Water	3005A	
310-278063-6	MW13	Dissolved	Water	3005A	
310-278063-7	MW16	Dissolved	Water	3005A	
310-278063-8	MW17	Dissolved	Water	3005A	
310-278063-9	MW44	Dissolved	Water	3005A	
310-278063-10	MW45	Dissolved	Water	3005A	
310-278063-11	MW46	Dissolved	Water	3005A	
310-278063-12	MW47	Dissolved	Water	3005A	
310-278063-13	MW48	Dissolved	Water	3005A	
310-278063-14	MW49	Dissolved	Water	3005A	
310-278063-15	Dup1	Dissolved	Water	3005A	
310-278063-18	Equip1	Dissolved	Water	3005A	
MB 310-418162/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-418162/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-278063-7 MS	MW16	Dissolved	Water	3005A	
310-278063-7 MSD	MW16	Dissolved	Water	3005A	
310-278063-1 DU	SW1	Dissolved	Water	3005A	

Prep Batch: 418165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	3005A	
310-278063-2	MW7	Total/NA	Water	3005A	
310-278063-3	MW8	Total/NA	Water	3005A	
310-278063-4	MW11	Total/NA	Water	3005A	
310-278063-5	MW12	Total/NA	Water	3005A	
310-278063-6	MW13	Total/NA	Water	3005A	
310-278063-7	MW16	Total/NA	Water	3005A	
310-278063-8	MW17	Total/NA	Water	3005A	
310-278063-9	MW44	Total/NA	Water	3005A	
310-278063-10	MW45	Total/NA	Water	3005A	
310-278063-11	MW46	Total/NA	Water	3005A	
310-278063-12	MW47	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 418165 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-13	MW48	Total/NA	Water	3005A	
310-278063-14	MW49	Total/NA	Water	3005A	
310-278063-15	Dup1	Total/NA	Water	3005A	
310-278063-18	Equip1	Total/NA	Water	3005A	
MB 310-418165/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-418165/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-278063-7 MS	MW16	Total/NA	Water	3005A	
310-278063-7 MSD	MW16	Total/NA	Water	3005A	
310-278063-1 DU	SW1	Total/NA	Water	3005A	

Analysis Batch: 418374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	6010D	418165
310-278063-2	MW7	Total/NA	Water	6010D	418165
310-278063-3	MW8	Total/NA	Water	6010D	418165
310-278063-4	MW11	Total/NA	Water	6010D	418165
310-278063-5	MW12	Total/NA	Water	6010D	418165
310-278063-6	MW13	Total/NA	Water	6010D	418165
310-278063-7	MW16	Total/NA	Water	6010D	418165
310-278063-8	MW17	Total/NA	Water	6010D	418165
310-278063-9	MW44	Total/NA	Water	6010D	418165
310-278063-10	MW45	Total/NA	Water	6010D	418165
310-278063-11	MW46	Total/NA	Water	6010D	418165
310-278063-12	MW47	Total/NA	Water	6010D	418165
310-278063-13	MW48	Total/NA	Water	6010D	418165
310-278063-14	MW49	Total/NA	Water	6010D	418165
310-278063-15	Dup1	Total/NA	Water	6010D	418165
310-278063-18	Equip1	Total/NA	Water	6010D	418165
MB 310-418165/1-A	Method Blank	Total/NA	Water	6010D	418165
LCS 310-418165/2-A	Lab Control Sample	Total/NA	Water	6010D	418165
310-278063-7 MS	MW16	Total/NA	Water	6010D	418165
310-278063-7 MSD	MW16	Total/NA	Water	6010D	418165
310-278063-1 DU	SW1	Total/NA	Water	6010D	418165

Analysis Batch: 418822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Dissolved	Water	6020B	418162
310-278063-2	MW7	Dissolved	Water	6020B	418162
310-278063-3	MW8	Dissolved	Water	6020B	418162
310-278063-4	MW11	Dissolved	Water	6020B	418162
310-278063-5	MW12	Dissolved	Water	6020B	418162
310-278063-6	MW13	Dissolved	Water	6020B	418162
310-278063-7	MW16	Dissolved	Water	6020B	418162
310-278063-8	MW17	Dissolved	Water	6020B	418162
310-278063-9	MW44	Dissolved	Water	6020B	418162
310-278063-10	MW45	Dissolved	Water	6020B	418162
310-278063-11	MW46	Dissolved	Water	6020B	418162
310-278063-12	MW47	Dissolved	Water	6020B	418162
310-278063-13	MW48	Dissolved	Water	6020B	418162
310-278063-14	MW49	Dissolved	Water	6020B	418162
310-278063-15	Dup1	Dissolved	Water	6020B	418162

Metals (Continued)

Analysis Batch: 418822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-18	Equip1	Dissolved	Water	6020B	418162
MB 310-418162/1-A	Method Blank	Total/NA	Water	6020B	418162
LCS 310-418162/2-A	Lab Control Sample	Total/NA	Water	6020B	418162
310-278063-7 MS	MW16	Dissolved	Water	6020B	418162
310-278063-7 MSD	MW16	Dissolved	Water	6020B	418162
310-278063-1 DU	SW1	Dissolved	Water	6020B	418162

Analysis Batch: 419086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	6020B	417901
310-278063-2	MW7	Total/NA	Water	6020B	417901
310-278063-3	MW8	Total/NA	Water	6020B	417901
310-278063-4	MW11	Total/NA	Water	6020B	417901
310-278063-5	MW12	Total/NA	Water	6020B	417901
310-278063-6	MW13	Total/NA	Water	6020B	417901
310-278063-7	MW16	Total/NA	Water	6020B	417901
310-278063-8	MW17	Total/NA	Water	6020B	417901
310-278063-9	MW44	Total/NA	Water	6020B	417901
310-278063-10	MW45	Total/NA	Water	6020B	417901
310-278063-11	MW46	Total/NA	Water	6020B	417901
310-278063-12	MW47	Total/NA	Water	6020B	417901
310-278063-13	MW48	Total/NA	Water	6020B	417901
310-278063-14	MW49	Total/NA	Water	6020B	417901
310-278063-15	Dup1	Total/NA	Water	6020B	417901
310-278063-18	Equip1	Total/NA	Water	6020B	417901
MB 310-417901/1-A	Method Blank	Total/NA	Water	6020B	417901
LCS 310-417901/2-A	Lab Control Sample	Total/NA	Water	6020B	417901
310-278063-7 MS	MW16	Total/NA	Water	6020B	417901
310-278063-7 MSD	MW16	Total/NA	Water	6020B	417901
310-278063-11 DU	MW46	Total/NA	Water	6020B	417901

General Chemistry

Analysis Batch: 418277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	EPA 350.1	
310-278063-2	MW7	Total/NA	Water	EPA 350.1	
310-278063-3	MW8	Total/NA	Water	EPA 350.1	
310-278063-4	MW11	Total/NA	Water	EPA 350.1	
310-278063-5	MW12	Total/NA	Water	EPA 350.1	
310-278063-6	MW13	Total/NA	Water	EPA 350.1	
310-278063-7	MW16	Total/NA	Water	EPA 350.1	
310-278063-8	MW17	Total/NA	Water	EPA 350.1	
310-278063-9	MW44	Total/NA	Water	EPA 350.1	
310-278063-10	MW45	Total/NA	Water	EPA 350.1	
310-278063-11	MW46	Total/NA	Water	EPA 350.1	
310-278063-12	MW47	Total/NA	Water	EPA 350.1	
310-278063-13	MW48	Total/NA	Water	EPA 350.1	
310-278063-14	MW49	Total/NA	Water	EPA 350.1	
310-278063-15	Dup1	Total/NA	Water	EPA 350.1	
310-278063-18	Equip1	Total/NA	Water	EPA 350.1	

General Chemistry (Continued)

Analysis Batch: 418277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-418277/167	Method Blank	Total/NA	Water	EPA 350.1	
MB 310-418277/195	Method Blank	Total/NA	Water	EPA 350.1	
LCS 310-418277/168	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCS 310-418277/196	Lab Control Sample	Total/NA	Water	EPA 350.1	
310-278063-7 MS	MW16	Total/NA	Water	EPA 350.1	
310-278063-7 MSD	MW16	Total/NA	Water	EPA 350.1	
310-278063-18 MS	Equip1	Total/NA	Water	EPA 350.1	
310-278063-18 MSD	Equip1	Total/NA	Water	EPA 350.1	

Analysis Batch: 418543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-278063-1	SW1	Total/NA	Water	5220D LL	
310-278063-2	MW7	Total/NA	Water	5220D LL	
310-278063-3	MW8	Total/NA	Water	5220D LL	
310-278063-4	MW11	Total/NA	Water	5220D LL	
310-278063-5	MW12	Total/NA	Water	5220D LL	
310-278063-6	MW13	Total/NA	Water	5220D LL	
310-278063-7	MW16	Total/NA	Water	5220D LL	
310-278063-8	MW17	Total/NA	Water	5220D LL	
310-278063-9	MW44	Total/NA	Water	5220D LL	
310-278063-10	MW45	Total/NA	Water	5220D LL	
310-278063-11	MW46	Total/NA	Water	5220D LL	
310-278063-12	MW47	Total/NA	Water	5220D LL	
310-278063-13	MW48	Total/NA	Water	5220D LL	
310-278063-14	MW49	Total/NA	Water	5220D LL	
310-278063-15	Dup1	Total/NA	Water	5220D LL	
310-278063-18	Equip1	Total/NA	Water	5220D LL	
MB 310-418543/5	Method Blank	Total/NA	Water	5220D LL	
LCS 310-418543/3	Lab Control Sample	Total/NA	Water	5220D LL	
310-278063-7 MS	MW16	Total/NA	Water	5220D LL	
310-278063-7 MSD	MW16	Total/NA	Water	5220D LL	

Client Sample ID: SW1

Lab Sample ID: 310-278063-1

Date Collected: 04/02/24 16:00

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417831	WSE8	EET CF	04/04/24 14:15
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 19:17
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 10:31
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:15
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 21:45
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 16:03
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:39

Client Sample ID: MW7

Lab Sample ID: 310-278063-2

Date Collected: 04/01/24 15:15

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417831	WSE8	EET CF	04/04/24 14:36
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 19:30
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 10:44
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 19:58
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:19
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 21:50
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 16:06
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:41

Client Sample ID: MW8

Lab Sample ID: 310-278063-3

Date Collected: 04/01/24 14:45

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417831	WSE8	EET CF	04/04/24 14:58
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 19:42
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 10:56
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:21
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 21:52

Lab Chronicle

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW8

Date Collected: 04/01/24 14:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 16:08
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:41

Client Sample ID: MW11

Date Collected: 04/02/24 11:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417831	WSE8	EET CF	04/04/24 15:20
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 19:55
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 11:09
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 20:10
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:23
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:04
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 16:10
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:44

Client Sample ID: MW12

Date Collected: 04/02/24 13:45
Date Received: 04/03/24 16:45

Lab Sample ID: 310-278063-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/05/24 23:17
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 20:08
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 11:47
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 20:23
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:25
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:06
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		4	419086	NFT2	EET CF	04/17/24 16:13
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:44

Client Sample ID: MW13

Lab Sample ID: 310-278063-6

Date Collected: 04/02/24 13:10

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/05/24 23:39
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 20:20
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 11:59
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 20:35
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		4	418374	ZRI4	EET CF	04/10/24 11:14
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:08
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		7	419086	NFT2	EET CF	04/17/24 16:15
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:46

Client Sample ID: MW16

Lab Sample ID: 310-278063-7

Date Collected: 04/02/24 14:30

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 00:01
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 20:33
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 12:12
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 20:48
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		2	418374	ZRI4	EET CF	04/10/24 10:40
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:10
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		4	419086	NFT2	EET CF	04/17/24 16:17
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:46

Client Sample ID: MW17

Lab Sample ID: 310-278063-8

Date Collected: 04/02/24 15:25

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 00:22
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 21:36
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 12:50
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		2	418374	ZRI4	EET CF	04/10/24 11:16
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:21

Lab Chronicle

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: MW17

Lab Sample ID: 310-278063-8

Date Collected: 04/02/24 15:25

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		4	419086	NFT2	EET CF	04/17/24 16:39
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:49

Client Sample ID: MW44

Lab Sample ID: 310-278063-9

Date Collected: 04/03/24 11:05

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 00:44
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 21:48
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 13:02
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:48
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:24
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 16:41
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:49

Client Sample ID: MW45

Lab Sample ID: 310-278063-10

Date Collected: 04/03/24 10:40

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 01:06
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 22:01
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 13:15
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 21:51
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:50
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:35
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		4	419086	NFT2	EET CF	04/17/24 16:43
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:51

Client Sample ID: MW46

Lab Sample ID: 310-278063-11

Date Collected: 04/03/24 09:35

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 05:06
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 22:14
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 13:28
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:52
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:37
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 16:46
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:51

Client Sample ID: MW47

Lab Sample ID: 310-278063-12

Date Collected: 04/03/24 10:10

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 01:28
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 22:26
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 13:40
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 22:04
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 10:58
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:40
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		4	419086	NFT2	EET CF	04/17/24 16:50
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:53

Client Sample ID: MW48

Lab Sample ID: 310-278063-13

Date Collected: 04/03/24 08:05

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 01:49
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 22:39
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 14:18
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 11:00
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:42

Client Sample ID: MW48

Lab Sample ID: 310-278063-13

Date Collected: 04/03/24 08:05

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 16:53
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:54

Client Sample ID: MW49

Lab Sample ID: 310-278063-14

Date Collected: 04/03/24 08:30

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 04:00
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 22:51
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 14:30
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 22:16
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 11:02
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:44
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		4	419086	NFT2	EET CF	04/17/24 17:04
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:55

Client Sample ID: Dup1

Lab Sample ID: 310-278063-15

Date Collected: 04/02/24 00:00

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/06/24 02:11
Dissolved	Analysis	9056A		5	418117	QTZ5	EET CF	04/05/24 23:04
Total/NA	Analysis	9056A		5	418317	QTZ5	EET CF	04/09/24 14:43
Total/NA	Analysis	9056A		50	418317	QTZ5	EET CF	04/09/24 22:29
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		4	418374	ZRI4	EET CF	04/10/24 12:21
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:47
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		7	419086	NFT2	EET CF	04/17/24 17:07
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:56

Lab Chronicle

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Client Sample ID: Equip1

Lab Sample ID: 310-278063-18

Date Collected: 04/03/24 07:05

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/05/24 22:55
Dissolved	Analysis	9056A		1	418117	QTZ5	EET CF	04/05/24 23:17
Total/NA	Analysis	9056A		1	418317	QTZ5	EET CF	04/09/24 14:55
Total/NA	Prep	3005A			418165	QTZ5	EET CF	04/09/24 09:00
Total/NA	Analysis	6010D		1	418374	ZRI4	EET CF	04/10/24 11:06
Dissolved	Prep	3005A			418162	QTZ5	EET CF	04/09/24 09:00
Dissolved	Analysis	6020B		1	418822	NFT2	EET CF	04/15/24 22:49
Total/NA	Prep	3005A			417901	KM3E	EET CF	04/05/24 09:00
Total/NA	Analysis	6020B		1	419086	NFT2	EET CF	04/17/24 17:09
Total/NA	Analysis	5220D LL		1	418543	ENB7	EET CF	04/12/24 11:00
Total/NA	Analysis	EPA 350.1		1	418277	ZJX4	EET CF	04/09/24 21:58

Client Sample ID: FBBlank1

Lab Sample ID: 310-278063-19

Date Collected: 04/03/24 07:35

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/05/24 22:11

Client Sample ID: TB1

Lab Sample ID: 310-278063-20

Date Collected: 04/03/24 00:00

Matrix: Water

Date Received: 04/03/24 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	417953	WSE8	EET CF	04/05/24 22:33

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: WDC Acquisition LLC
Job ID: 310-278063-1
Project/Site: Landfill Project (Penn E & R)

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

Method Summary

Client: WDC Acquisition LLC
Project/Site: Landfill Project (Penn E & R)

Job ID: 310-278063-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
9056A	Anions, Ion Chromatography	SW846	EET CF
6010D	Metals (ICP)	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
5220D LL	COD	SM	EET CF
EPA 350.1	Ammonia	EPA	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

eurofins | Environment Testing America

310-278063 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 4-3-24 | TIME 1645 | Received By: MV

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes ☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes ☐ No	*If yes:* Cooler # 1 of 4
Cooler Custody Seals Present?	☐ Yes ☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes ☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes ☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.5 | Corrected Temp (°C): 0.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 4-3-24 | TIME 1645 | Received By: MV

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 4

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

All vials

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.0 | Corrected Temp (°C): 2.0

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 4-3-24 | TIME 1645 | Received By: MV

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☑ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☑ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☑ Yes	☐ No	*If yes:* Cooler # 3 of 4
Cooler Custody Seals Present?	☐ Yes	☑ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☑ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☑ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.1 | Corrected Temp (°C): 3.1

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE IA | Project:

Receipt Information

Date/Time Received: DATE 4-3-24 | TIME 1645 | Received By: MV

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☑ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 4 of 4

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.4 | Corrected Temp (°C): 1.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

eurofins

Client Information	Sampler: Kirby GAVIN	Lab PM: Yang, Mary E	Carrier Tracking No(s): RTG Drop	COC No: 310-90872-25080 1
Client Contact: Matt Thelen	Phone: 563-590-4082	E-Mail: Mary Yang@ET EurofinsUS.com	State of Origin:	Page: Page 1 of 3
Company: WDC Acquisition LLC	PWSID:			Job #:
Address: 1746 Commerce Rd	Due Date Requested:			
City: Creston	TAT Requested (days):			
State, Zip: IA, 50801	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: matt.thelen@wellmandynamics.com	WO #:			
Project Name: Landfill Project (Penn E & R)	Project #: 31008106			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Volatiles by GC/MS	350.1 - Ammonia, 6220D_LL - COD	9056A_ORGFM_28D - Chloride, Sulfate, Fluoride	9056A_ORGFM_28D - Fluoride, Dissolved	6010D (B, Li), 6020B (Al, As, Be, Co, Mg, Mn, Ni, Sr)	6020B - Diss Iron	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	S	N	N	D	D		
SW1	4/2/24	16:00	G	Water			x	x	x	x	x	x		
MW7	4/1/24	15:15		Water			x	x	x	x	x	x		
MW8	4/1/24	14:45		Water			x	x	x	x	x	x		
MW11	4/2/24	11:45		Water			x	x	x	x	x	x		
MW12	4/2/24	13:45		Water			x	x	x	x	x	x		
MW13	4/2/24	13:10		Water			x	x	x	x	x	x		
MW16	4/2/24	14:30		Water			x	x	x	x	x	x		
MW17	4/2/24	15:25		Water			x	x	x	x	x	x		
MW44	4/3/24	11:05		Water			x	x	x	x	x	x		
MW45	4/3/24	10:40		Water			x	x	x	x	x	x		
MW46	4/3/24	9:35		Water			x	x	x	x	x	x		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by:	4/3/24 16:45	On Tech		4/3/24 1645	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

eurofins

Client Information	Sampler: RANDY GAULT	Lab PM: Yang, Mary E	Carrier Tracking No(s): RTG Drop	COC No: 310-90872-25080 2
Client Contact: Matt Thelen	Phone: 563-590-4082	E-Mail: Mary Yang@ET EurofinsUS.com	State of Origin:	Page: Page 2 of 3
Company: WDC Acquisition LLC	PWSID:			Job #:
Address: 1746 Commerce Rd	Due Date Requested:			
City: Creston	TAT Requested (days):			
State, Zip: IA, 50801	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: matt.thelen@wellmandynamics.com	WO #:			
Project Name: Landfill Project (Penn E & R)	Project #: 31008106			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Volatiles by GC/MS	350.1 - Ammonia, 5220D_LL - COD	9056A_ORGFM_28D - Chloride, Sulfate, Fluoride	9056A_ORGFM_28D - Fluoride, Dissolved	6010D (B, Li), 6020B (Al, As, Be, Co, Mg, Mn, Ni, Sr)	6020B - Diss Iron	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	S	N	N	D	D		
MW47	4/3/24	10:10	G	Water			x	x	x	x	x	x		
MW48	4/3/24	8:05		Water			x	x	x	x	x	x		
MW49	4/3/24	~~11:55~~ 8:30		Water			x	x	x	x	x	x		
Dup1	4/2/24	—		Water			x	x	x	x	x	x		
MS/MSD MW46	4/2/24	14:30		Water			x	x	x	x	x	x		
Equip1	4/3/24	7:05		Water			x	x	x	x	x	x		
FBBlank1	4/3/24	7:35		Water			x							
TB1	—	—		Water			x							
TB2				Water			x	DO NOT ANALYZE						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		4/3/24 16:45	ONTECH		4/3/24 1645	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

2024 Spring Wellman MW Sampling and Analytical Program

Spring 2024 IDNR LF Program

		VOCs	Aluminum Total	Arsenic (Inorganic) Total	Beryllium Total	Boron Total	Cobalt Total	Fluoride (Total)	Fluoride (Dissolved)	Iron Dissolved	Lithium Total	Magnesium Total	Manganese Total	Nickel Total	Strontium Total	Chloride	Sulfate	Ammonia Nitrogen	COD	Total Organic Halogens	Phenols	Water Level	Specific Conductance Field	pH Field	Temp Field	Rad (Th-228, 230, 232, U-234, 235, 238)
MS	SW																									
Landfill Wells	SW1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
	MW6																					X				
	MW7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW9																					X				
	MW10																					X	X			
	MW11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW14																					X				
	MW15																					X				
	MW16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW18																					X				
	MW19																					X				
	MW20																					X				
Down Offsite	MW44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	
	MW49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	

Login Sample Receipt Checklist

Client: WDC Acquisition LLC

Job Number: 310-278063-1

Login Number: 278063
List Number: 1
Creator: Yang, Mary E

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Matt Thelen
WDC Acquisition LLC
1746 Commerce Rd
Creston, Iowa 50801

Generated 9/17/2024 3:05:51 PM

JOB DESCRIPTION

2024 Fall Wellman GW Sampling
2024 Fall Wellman Monitoring Wells

JOB NUMBER

310-289219-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
9/17/2024 3:05:51 PM

Authorized for release by
Conner Calhoun, Project Management Assistant I
Conner.Calhoun@et.eurofinsus.com
(319)277-2401

Table of Contents

Job ID: 310-289219-1 — Eurofins Cedar Falls

Job Narrative
310-289219-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/28/2024 2:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 9 coolers at receipt time were 2.2°C, 2.4°C, 2.6°C, 3.0°C, 3.1°C, 3.3°C, 4.4°C, 5.5°C and 5.6°C.

GC/MS VOA
Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: TB4 (310-289219-33).

Method 8260D: The method blank for analytical batch 310-431797 contained cis-1,2-Dichloroethene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-analysis of samples was not performed.

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-431870 recovered above the upper control limit for Carbon disulfide (-22.9%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-431870/3).

Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container: TB1 (310-289219-30) and TB3 (310-289219-32).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-432023 recovered above the upper control limit for Bromoform (39.1%D). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-432023/3).

Method 8260D: The method blank for analytical batch 310-432023 contained Vinyl chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-analysis of samples was not performed.

Method 8260D: The laboratory control sample (LCS) for analytical batch 310-432023 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 9056A_ORGFM_28D: The following sample was diluted due to the nature of the sample matrix: MW12+ (310-289219-5). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: MW37# (310-289219-12), MW38R# (310-289219-13), MW39# (310-289219-14), MW42# (310-289219-16), MW43# (310-289219-17), MW45+# (310-289219-19), MW46+# (310-289219-20), MW48+# (310-289219-22) and MW49+# (310-289219-23). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D: The following samples were diluted due to the nature of the sample matrix: Dup2 (310-289219-25), Equip1 (310-289219-26) and Equip2 (310-289219-27). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D - Dissolved: The following samples were diluted due to the nature of the sample matrix: MW12+ (310-289219-5), MW37# (310-289219-12), MW38R# (310-289219-13), MW39# (310-289219-14), MW42# (310-289219-16), MW43# (310-289219-17) and MW44+# (310-289219-18). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_28D - Dissolved: The following samples were diluted due to the nature of the sample matrix: MW46+# (310-289219-20), MW49+# (310-289219-23), Dup2 (310-289219-25), Equip1 (310-289219-26) and Equip2 (310-289219-27). Elevated reporting limits (RLs) are provided.

Method 9056A_ORGFM_48H: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW13+ (310-289219-6), MW48+# (310-289219-22) and Equip1 (310-289219-26).

Method 9056A_ORGFM_48H: The following samples were received outside of holding time: Dup1 (310-289219-24) and Dup2 (310-289219-25).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B: The continuing calibration verification (CCV) associated with batch 310-433063 recovered above the upper control limit for Nickel. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW7+ (310-289219-2), MW8+ (310-289219-3), MW11+# (310-289219-4), MW12+ (310-289219-5), MW13+ (310-289219-6), MW16+ (310-289219-7) and MW17+ (310-289219-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 7196A - Dissolved: The following samples were received outside of holding time: MW13+ (310-289219-6), MW48+# (310-289219-22), Dup1 (310-289219-24), Dup2 (310-289219-25), Equip1 (310-289219-26) and Equip2 (310-289219-27).

Method 9020B: Breakthrough exceeded 10% for the following sample:MW13+ (310-289219-6).

Method 9020B: Breakthrough exceeded 10% for the following sample:MW48+# (310-289219-22).

Method 9020B: Breakthrough exceeded 10% for the following samples:MW7+ (310-289219-2), MW8+ (310-289219-3), MW16+ (310-289219-7), MW17+ (310-289219-8) and MW44+# (310-289219-18).

Method 9020B: Breakthrough exceeded 10% for the following samples:MW45+# (310-289219-19), MW46+# (310-289219-20), MW47+# (310-289219-21), MW49+# (310-289219-23), Dup1 (310-289219-24), Dup2 (310-289219-25) and Equip1 (310-289219-26).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-289219-1	MWA#	Groundwater	08/28/24 08:35	08/28/24 14:10
310-289219-2	MW7+	Groundwater	08/26/24 12:40	08/28/24 14:10
310-289219-3	MW8+	Groundwater	08/26/24 11:50	08/28/24 14:10
310-289219-4	MW11+#	Groundwater	08/26/24 14:05	08/28/24 14:10
310-289219-5	MW12+	Groundwater	08/27/24 08:25	08/28/24 14:10
310-289219-6	MW13+	Groundwater	08/26/24 16:15	08/28/24 14:10
310-289219-7	MW16+	Groundwater	08/27/24 09:20	08/28/24 14:10
310-289219-8	MW17+	Groundwater	08/27/24 10:05	08/28/24 14:10
310-289219-9	MW20#	Groundwater	08/27/24 11:15	08/28/24 14:10
310-289219-10	MW30#	Wastewater	08/27/24 11:00	08/28/24 14:10
310-289219-11	MW35R#	Groundwater	08/28/24 09:25	08/28/24 14:10
310-289219-12	MW37#	Groundwater	08/27/24 11:55	08/28/24 14:10
310-289219-13	MW38R#	Groundwater	08/28/24 08:30	08/28/24 14:10
310-289219-14	MW39#	Groundwater	08/27/24 13:35	08/28/24 14:10
310-289219-15	MW41#	Groundwater	08/27/24 13:20	08/28/24 14:10
310-289219-16	MW42#	Groundwater	08/26/24 12:10	08/28/24 14:10
310-289219-17	MW43#	Groundwater	08/26/24 12:35	08/28/24 14:10
310-289219-18	MW44+#	Groundwater	08/26/24 13:20	08/28/24 14:10
310-289219-19	MW45+#	Groundwater	08/26/24 14:00	08/28/24 14:10
310-289219-20	MW46+#	Groundwater	08/26/24 15:25	08/28/24 14:10
310-289219-21	MW47+#	Groundwater	08/26/24 16:35	08/28/24 14:10
310-289219-22	MW48+#	Groundwater	08/27/24 08:45	08/28/24 14:10
310-289219-23	MW49+#	Groundwater	08/27/24 10:10	08/28/24 14:10
310-289219-24	Dup1	Groundwater	08/26/24 00:00	08/28/24 14:10
310-289219-25	Dup2	Groundwater	08/26/24 00:00	08/28/24 14:10
310-289219-26	Equip1	Groundwater	08/27/24 07:40	08/28/24 14:10
310-289219-27	Equip2	Groundwater	08/28/24 07:40	08/28/24 14:10
310-289219-28	FBBlank1	Groundwater	08/26/24 14:10	08/28/24 14:10
310-289219-29	FBBlank2	Groundwater	08/27/24 09:40	08/28/24 14:10
310-289219-30	TB1	Trip Blank	08/28/24 00:00	08/28/24 14:10
310-289219-31	TB2	Trip Blank	08/28/24 00:00	08/28/24 14:10
310-289219-32	TB3	Trip Blank	08/28/24 00:00	08/28/24 14:10
310-289219-33	TB4	Trip Blank	08/28/24 00:00	08/28/24 14:10

Detection Summary

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MWA# — Lab Sample ID: 310-289219-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.18		1.00	0.220	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.01	J	2.00	0.560	ug/L	1		8260D	Total/NA
1,4-Dioxane	95.4	J	100	34.0	ug/L	1		8260D	Total/NA
Benzene	1.51		0.500	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	466		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	18.7		1.00	0.480	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	15.6		1.00	0.270	ug/L	1		8260D	Total/NA
Trichloroethene	16.9		1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	32.1		1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	1310		50.0	22.5	mg/L	50		9056A	Total/NA
Nitrite as N	0.519		0.200	0.0430	mg/L	1		9056A	Total/NA
Sulfate	43.4		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.845	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.600	J	1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.00606		0.00200	0.000530	mg/L	1		6020B	Total/NA
Boron	3.13		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	87.3	B	0.100	0.0360	mg/L	1		6020B	Total/NA
Lead	0.000538		0.000500	0.000260	mg/L	1		6020B	Total/NA
Cadmium	0.00276		0.000200	0.000100	mg/L	1		6020B	Total/NA
Chromium	0.00127	J	0.00500	0.00120	mg/L	1		6020B	Total/NA
Chromium (VI)	0.0143	J F1	0.0200	0.0100	mg/L	1		7196A	Dissolved

Client Sample ID: MW7+ — Lab Sample ID: 310-289219-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.87		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	922		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	0.657	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.527	J	1.00	0.375	mg/L	5		9056A	Dissolved
Boron	1.18		0.100	0.0760	mg/L	1		6020B	Total/NA
Magnesium	79.4		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.00747	J	0.0100	0.00360	mg/L	1		6020B	Total/NA
Strontium	1.37		0.00100	0.000530	mg/L	1		6020B	Total/NA
Lithium	0.0983		0.0100	0.00250	mg/L	1		6020B	Total/NA
Halogens, Total Organic	76.5		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	77.3		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	75.7		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	76.5		40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: MW8+ — Lab Sample ID: 310-289219-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.61		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	39.8		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.599	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.591	J	1.00	0.375	mg/L	5		9056A	Dissolved
Magnesium	14.0		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.00391	J	0.0100	0.00360	mg/L	1		6020B	Total/NA
Strontium	0.153		0.00100	0.000530	mg/L	1		6020B	Total/NA
Lithium	0.0136		0.0100	0.00250	mg/L	1		6020B	Total/NA
Halogens, Total Organic	60.6		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	65.4		40.0	14.0	ug/L	1		9020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW8+ (Continued) — Lab Sample ID: 310-289219-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOX Result 2	55.8		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	60.6		40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: MW11+# — Lab Sample ID: 310-289219-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.49		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	9.69		1.00	0.480	ug/L	1		8260D	Total/NA
Trichloroethene	0.839	J	1.00	0.430	ug/L	1		8260D	Total/NA
Chloride	240		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	35.7		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	18.2		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	18.9		1.00	0.375	mg/L	5		9056A	Dissolved
Aluminum	0.329	B	0.0500	0.0210	mg/L	1		6020B	Total/NA
Beryllium	0.000619	J	0.00100	0.000330	mg/L	1		6020B	Total/NA
Boron	2.24		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	0.0525	J B	0.100	0.0360	mg/L	1		6020B	Total/NA
Cadmium	0.000132	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Magnesium	14.0		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.105		0.0100	0.00360	mg/L	1		6020B	Total/NA
Strontium	0.196		0.00100	0.000530	mg/L	1		6020B	Total/NA
Lithium	0.00516	J	0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	0.0391	J	0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	13.1		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	205		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	214		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	197		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	205		40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: MW12+ — Lab Sample ID: 310-289219-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.445	J	1.00	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.556	J	1.00	0.210	ug/L	1		8260D	Total/NA
Chloride	147		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1840		50.0	21.0	mg/L	50		9056A	Total/NA
Cobalt	0.00147	J	0.00200	0.000680	mg/L	4		6020B	Total/NA
Boron	16.3		0.400	0.304	mg/L	4		6020B	Total/NA
Magnesium	150		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	3.34		0.0400	0.0144	mg/L	4		6020B	Total/NA
Strontium	2.88		0.00400	0.00212	mg/L	4		6020B	Total/NA
Lithium	0.118		0.0100	0.00250	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	8.77		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	95.3		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	89.0		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	102		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	95.3		40.0	14.0	ug/L	1		9020B	Total/NA
Ammonia as N	1.23		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW13+ — Lab Sample ID: 310-289219-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	18.0		1.00	0.220	ug/L	1		8260D	Total/NA
Benzene	0.721		0.500	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.68		1.00	0.210	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	2.20		1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	20.8		1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	1260		50.0	22.5	mg/L	50		9056A	Total/NA
Nitrite as N	0.367	H	0.200	0.0430	mg/L	1		9056A	Total/NA
Sulfate	1480		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	50.3		10.0	3.75	mg/L	50		9056A	Total/NA
Fluoride	51.1		10.0	3.75	mg/L	50		9056A	Dissolved
Aluminum	2.27	B	0.350	0.147	mg/L	7		6020B	Total/NA
Arsenic	0.00784		0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.0179		0.00350	0.00119	mg/L	7		6020B	Total/NA
Boron	19.2		3.50	2.66	mg/L	35		6020B	Total/NA
Magnesium	530		3.50	1.05	mg/L	7		6020B	Total/NA
Manganese	26.0		0.0700	0.0252	mg/L	7		6020B	Total/NA
Strontium	0.704	F1	0.00700	0.00371	mg/L	7		6020B	Total/NA
Lithium	0.0380		0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	6.76		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	33.9		25.0	24.0	mg/L	5		5220D LL	Total/NA
Halogens, Total Organic	259		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	267		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	252	F1	40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	259		40.0	14.0	ug/L	1		9020B	Total/NA
Ammonia as N	6.72		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW16+ — Lab Sample ID: 310-289219-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.488	J	1.00	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	22.0		1.00	0.210	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.342	J	1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	0.302	J	1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	844		50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	383		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	1.72		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	1.68		1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.000809	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.00438		0.00200	0.000680	mg/L	4		6020B	Total/NA
Boron	57.3		2.00	1.52	mg/L	20		6020B	Total/NA
Magnesium	152		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	2.59		0.0400	0.0144	mg/L	4		6020B	Total/NA
Strontium	1.43		0.00400	0.00212	mg/L	4		6020B	Total/NA
Lithium	0.0236		0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	0.381		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	25.6		25.0	24.0	mg/L	5		5220D LL	Total/NA
Halogens, Total Organic	343		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	362		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	324		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	343		40.0	14.0	ug/L	1		9020B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW17+ — Lab Sample ID: 310-289219-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	427		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	406		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	20.2		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	21.2		1.00	0.375	mg/L	5		9056A	Dissolved
Aluminum	0.602	B	0.200	0.0840	mg/L	4		6020B	Total/NA
Boron	55.7		2.00	1.52	mg/L	20		6020B	Total/NA
Magnesium	122		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	0.133		0.0400	0.0144	mg/L	4		6020B	Total/NA
Strontium	0.978		0.00400	0.00212	mg/L	4		6020B	Total/NA
Lithium	0.0214		0.0100	0.00250	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	11.8		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	309		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	331		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	286		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	309		40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: MW20# — Lab Sample ID: 310-289219-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	7.81		1.00	0.220	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.772	J	2.00	0.560	ug/L	1		8260D	Total/NA
1,4-Dioxane	102		100	34.0	ug/L	1		8260D	Total/NA
Benzene	1.97		0.500	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	311		1.00	0.210	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	19.0		1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	245		10.0	1.80	ug/L	10		8260D	Total/NA
Chloride	867		50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	79.4		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	36.3		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	35.3		1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.0704		0.00200	0.000530	mg/L	1		6020B	Total/NA
Boron	39.0		1.00	0.760	mg/L	10		6020B	Total/NA
Iron	82.6	B	0.100	0.0360	mg/L	1		6020B	Total/NA

Client Sample ID: MW30# — Lab Sample ID: 310-289219-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.610	J	1.00	0.220	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.760	J	2.00	0.560	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	59.9		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	334		1.00	0.480	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.498	J	1.00	0.270	ug/L	1		8260D	Total/NA
Trichloroethene	90.5		1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	0.828	J	1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	59.7		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	202		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	3.24		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	3.18		1.00	0.375	mg/L	5		9056A	Dissolved
Boron	2.49		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	0.0383	J	0.100	0.0360	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW35R# — Lab Sample ID: 310-289219-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.85		1.00	0.220	ug/L	1		8260D	Total/NA
1,4-Dioxane	47.0	J	100	34.0	ug/L	1		8260D	Total/NA
Benzene	2.78		0.500	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	418		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.689	J	1.00	0.480	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	30.7		1.00	0.270	ug/L	1		8260D	Total/NA
Vinyl chloride	119		1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	971		50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	33.1		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.546	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.543	J	1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.0231		0.00200	0.000530	mg/L	1		6020B	Total/NA
Boron	3.84		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	69.8		0.100	0.0360	mg/L	1		6020B	Total/NA
Chromium	0.00664		0.00500	0.00120	mg/L	1		6020B	Total/NA
Chromium (VI)	0.0186	J	0.0200	0.0100	mg/L	1		7196A	Dissolved

Client Sample ID: MW37# — Lab Sample ID: 310-289219-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	9.29		2.00	0.560	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1750		10.0	2.10	ug/L	10		8260D	Total/NA
Tetrachloroethene	1690		10.0	4.80	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	19.1		1.00	0.270	ug/L	1		8260D	Total/NA
Trichloroethene	410		1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	0.958	J	1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	3460		500	225	mg/L	500		9056A	Total/NA
Sulfate	10.6		5.00	2.10	mg/L	5		9056A	Total/NA
Boron	0.430		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	0.605		0.100	0.0360	mg/L	1		6020B	Total/NA

Client Sample ID: MW38R# — Lab Sample ID: 310-289219-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	54.5		1.00	0.480	ug/L	1		8260D	Total/NA
Trichlorofluoromethane	1.60	J	4.00	0.380	ug/L	1		8260D	Total/NA
Chloride	290		5.00	2.25	mg/L	5		9056A	Total/NA
Nitrate as N	6.35		0.200	0.0780	mg/L	1		9056A	Total/NA
Nitrite as N	0.0490	J	0.200	0.0430	mg/L	1		9056A	Total/NA
Sulfate	55.3		5.00	2.10	mg/L	5		9056A	Total/NA
Boron	0.554		0.100	0.0760	mg/L	1		6020B	Total/NA

Client Sample ID: MW39# — Lab Sample ID: 310-289219-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	9.69		2.00	0.560	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	122		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	1870		10.0	4.80	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	1.23		1.00	0.270	ug/L	1		8260D	Total/NA
Trichloroethene	65.6		1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	20.5		1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	1110		50.0	22.5	mg/L	50		9056A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW39# (Continued) — Lab Sample ID: 310-289219-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	33.9		5.00	2.10	mg/L	5		9056A	Total/NA
Boron	0.812		0.100	0.0760	mg/L	1		6020B	Total/NA

Client Sample ID: MW41# — Lab Sample ID: 310-289219-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.74		1.00	0.220	ug/L	1		8260D	Total/NA
Benzene	1.32		0.500	0.220	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3350		10.0	2.10	ug/L	10		8260D	Total/NA
Tetrachloroethene	4.83		1.00	0.480	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	7.22		1.00	0.270	ug/L	1		8260D	Total/NA
Trichloroethene	1.76		1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	2.27		1.00	0.180	ug/L	1		8260D	Total/NA
Chloride	1160		50.0	22.5	mg/L	50		9056A	Total/NA
Sulfate	98.6		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	12.4		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	14.8		1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.000926	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Boron	15.8		0.400	0.304	mg/L	4		6020B	Total/NA
Iron	0.215		0.100	0.0360	mg/L	1		6020B	Total/NA

Client Sample ID: MW42# — Lab Sample ID: 310-289219-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.45		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	10.5		5.00	2.10	mg/L	5		9056A	Total/NA
Boron	0.113		0.100	0.0760	mg/L	1		6020B	Total/NA
Chromium	0.00130	J	0.00500	0.00120	mg/L	1		6020B	Total/NA
Vanadium	0.00127	J	0.00500	0.00110	mg/L	1		6020B	Total/NA

Client Sample ID: MW43# — Lab Sample ID: 310-289219-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	10.2		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	14.0		5.00	2.10	mg/L	5		9056A	Total/NA
Vanadium	0.00137	J	0.00500	0.00110	mg/L	1		6020B	Total/NA

Client Sample ID: MW44+# — Lab Sample ID: 310-289219-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	16.7		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	220		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.494	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.414	J	1.00	0.375	mg/L	5		9056A	Dissolved
Aluminum	0.0512		0.0500	0.0210	mg/L	1		6020B	Total/NA
Boron	0.127		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	0.0539	J	0.100	0.0360	mg/L	1		6020B	Total/NA
Magnesium	40.7		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.0124		0.0100	0.00360	mg/L	1		6020B	Total/NA
Strontium	0.575		0.00100	0.000530	mg/L	1		6020B	Total/NA
Lithium	0.0485		0.0100	0.00250	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	5.12		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	63.5		40.0	14.0	ug/L	1		9020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW44+# (Continued)
Lab Sample ID: 310-289219-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TOX Result 1	67.1		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	59.8		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	63.5		40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: MW45+#
Lab Sample ID: 310-289219-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.06		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	2100		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	0.517	J	1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.00252		0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.00554		0.000500	0.000170	mg/L	1		6020B	Total/NA
Boron	0.482		0.400	0.304	mg/L	4		6020B	Total/NA
Iron	0.319		0.100	0.0360	mg/L	1		6020B	Total/NA
Magnesium	154		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	2.31		0.0400	0.0144	mg/L	4		6020B	Total/NA
Nickel	0.00856	J	0.0200	0.00840	mg/L	4		6020B	Total/NA
Strontium	2.44		0.00400	0.00212	mg/L	4		6020B	Total/NA
Lithium	0.148		0.0400	0.0100	mg/L	4		6020B	Total/NA
Iron	0.318		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	6.12		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	126		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	133		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	119		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	126		40.0	14.0	ug/L	1		9020B	Total/NA
Ammonia as N	0.527		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW46+#
Lab Sample ID: 310-289219-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	72.4		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	11.1		5.00	2.10	mg/L	5		9056A	Total/NA
Arsenic	0.0147		0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.00264		0.000500	0.000170	mg/L	1		6020B	Total/NA
Iron	7.92		0.100	0.0360	mg/L	1		6020B	Total/NA
Magnesium	40.7		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	2.08		0.0100	0.00360	mg/L	1		6020B	Total/NA
Nickel	0.0210		0.00500	0.00210	mg/L	1		6020B	Total/NA
Strontium	0.658		0.00100	0.000530	mg/L	1		6020B	Total/NA
Vanadium	0.00147	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Lithium	0.00673	J	0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	3.33		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	17.4		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	411		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	432		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	390		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	411		40.0	14.0	ug/L	1		9020B	Total/NA
Ammonia as N	0.830		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW47+# — Lab Sample ID: 310-289219-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	21.1		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1050		50.0	21.0	mg/L	50		9056A	Total/NA
Fluoride	0.715	J	1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	0.923	J	1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.0169		0.00800	0.00212	mg/L	4		6020B	Total/NA
Cobalt	0.00166	J	0.00200	0.000680	mg/L	4		6020B	Total/NA
Boron	0.460		0.400	0.304	mg/L	4		6020B	Total/NA
Iron	3.54		0.100	0.0360	mg/L	1		6020B	Total/NA
Magnesium	111		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	1.48		0.0400	0.0144	mg/L	4		6020B	Total/NA
Strontium	1.71		0.00400	0.00212	mg/L	4		6020B	Total/NA
Lithium	0.0826		0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	1.48		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	11.8		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	355		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	365		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	345		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	355		40.0	14.0	ug/L	1		9020B	Total/NA
Ammonia as N	0.671		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW48+# — Lab Sample ID: 310-289219-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	269		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	27.3		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	0.555	J	1.00	0.375	mg/L	5		9056A	Dissolved
Arsenic	0.00120	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.00127		0.000500	0.000170	mg/L	1		6020B	Total/NA
Boron	0.405		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	0.225		0.100	0.0360	mg/L	1		6020B	Total/NA
Magnesium	30.4		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.168		0.0100	0.00360	mg/L	1		6020B	Total/NA
Nickel	0.00360	J	0.00500	0.00210	mg/L	1		6020B	Total/NA
Strontium	0.518		0.00100	0.000530	mg/L	1		6020B	Total/NA
Lithium	0.0181		0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	0.106		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	9.10		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	122		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	125		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	119		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	122		40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: MW49+# — Lab Sample ID: 310-289219-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15.7		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	1880		50.0	21.0	mg/L	50		9056A	Total/NA
Aluminum	0.367		0.200	0.0840	mg/L	4		6020B	Total/NA
Arsenic	0.0126		0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.00166		0.000500	0.000170	mg/L	1		6020B	Total/NA
Boron	0.568		0.400	0.304	mg/L	4		6020B	Total/NA
Iron	10.4		0.100	0.0360	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW49+# (Continued)

Lab Sample ID: 310-289219-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.00268		0.000500	0.000260	mg/L	1		6020B	Total/NA
Magnesium	132		2.00	0.600	mg/L	4		6020B	Total/NA
Manganese	1.24		0.0400	0.0144	mg/L	4		6020B	Total/NA
Chromium	0.00121	J	0.00500	0.00120	mg/L	1		6020B	Total/NA
Strontium	2.40		0.00400	0.00212	mg/L	4		6020B	Total/NA
Vanadium	0.00242	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Lithium	0.0956		0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	8.27		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	12.7		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	105		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	108		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	103		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	105		40.0	14.0	ug/L	1		9020B	Total/NA
Ammonia as N	2.19		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: Dup1

Lab Sample ID: 310-289219-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.41		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	10.0		1.00	0.480	ug/L	1		8260D	Total/NA
Trichloroethene	0.743	J	1.00	0.430	ug/L	1		8260D	Total/NA
Chloride	257		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	37.7		5.00	2.10	mg/L	5		9056A	Total/NA
Fluoride	18.7		1.00	0.375	mg/L	5		9056A	Total/NA
Fluoride	18.6		1.00	0.375	mg/L	5		9056A	Dissolved
Aluminum	0.324		0.0500	0.0210	mg/L	1		6020B	Total/NA
Beryllium	0.000567	J	0.00100	0.000330	mg/L	1		6020B	Total/NA
Boron	2.10		0.100	0.0760	mg/L	1		6020B	Total/NA
Iron	0.0516	J	0.100	0.0360	mg/L	1		6020B	Total/NA
Cadmium	0.000136	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Magnesium	12.8		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	0.118		0.0100	0.00360	mg/L	1		6020B	Total/NA
Nickel	0.00268	J	0.00500	0.00210	mg/L	1		6020B	Total/NA
Strontium	0.204		0.00100	0.000530	mg/L	1		6020B	Total/NA
Lithium	0.00466	J	0.0100	0.00250	mg/L	1		6020B	Total/NA
Chemical Oxygen Demand	14.7		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	323		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	355		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	291		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	323		40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: Dup2

Lab Sample ID: 310-289219-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	81.3		5.00	2.25	mg/L	5		9056A	Total/NA
Sulfate	9.40		5.00	2.10	mg/L	5		9056A	Total/NA
Arsenic	0.0134		0.00200	0.000530	mg/L	1		6020B	Total/NA
Cobalt	0.00259		0.000500	0.000170	mg/L	1		6020B	Total/NA
Iron	7.30		0.100	0.0360	mg/L	1		6020B	Total/NA
Magnesium	41.8		0.500	0.150	mg/L	1		6020B	Total/NA
Manganese	2.11		0.0100	0.00360	mg/L	1		6020B	Total/NA
Nickel	0.0225		0.00500	0.00210	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Dup2 (Continued) — Lab Sample ID: 310-289219-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Strontium	0.697		0.00100	0.000530	mg/L	1		6020B	Total/NA
Vanadium	0.00139	J	0.00500	0.00110	mg/L	1		6020B	Total/NA
Lithium	0.00855	J	0.0100	0.00250	mg/L	1		6020B	Total/NA
Iron	3.36		0.100	0.0360	mg/L	1		6020B	Dissolved
Chemical Oxygen Demand	20.0		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	233		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	235		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	230		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	233		40.0	14.0	ug/L	1		9020B	Total/NA
Ammonia as N	0.800		0.200	0.100	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: Equip1 — Lab Sample ID: 310-289219-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Halogens, Total Organic	23.2	J	40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	27.0	J	40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	19.4	J	40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	23.2	J	40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: Equip2 — Lab Sample ID: 310-289219-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	5.12		5.00	4.80	mg/L	1		5220D LL	Total/NA
Halogens, Total Organic	30.4	J	40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 1	42.9		40.0	14.0	ug/L	1		9020B	Total/NA
TOX Result 2	17.9	J	40.0	14.0	ug/L	1		9020B	Total/NA
TOX Dup	30.4	J	40.0	14.0	ug/L	1		9020B	Total/NA

Client Sample ID: FBBlank1 — Lab Sample ID: 310-289219-28

No Detections.

Client Sample ID: FBBlank2 — Lab Sample ID: 310-289219-29

No Detections.

Client Sample ID: TB1 — Lab Sample ID: 310-289219-30

No Detections.

Client Sample ID: TB2 — Lab Sample ID: 310-289219-31

No Detections.

Client Sample ID: TB3 — Lab Sample ID: 310-289219-32

No Detections.

Client Sample ID: TB4 — Lab Sample ID: 310-289219-33

No Detections.

This Detection Summary does not include radiochemical test results.

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MWA#
Date Collected: 08/28/24 08:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-1
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 15:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 15:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 15:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 15:55	1
1,1-Dichloroethane	**4.18**		1.00	0.220	ug/L			08/29/24 15:55	1
1,1-Dichloroethene	**1.01**	**J**	2.00	0.560	ug/L			08/29/24 15:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 15:55	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 15:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 15:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 15:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 15:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 15:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 15:55	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 15:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 15:55	1
1,4-Dioxane	**95.4**	**J**	100	34.0	ug/L			08/29/24 15:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 15:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 15:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 15:55	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 15:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 15:55	1
Benzene	**1.51**		0.500	0.220	ug/L			08/29/24 15:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 15:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 15:55	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 15:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 15:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 15:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 15:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 15:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 15:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 15:55	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 15:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 15:55	1
cis-1,2-Dichloroethene	**466**		1.00	0.210	ug/L			08/29/24 15:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 15:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 15:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 15:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 15:55	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 15:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 15:55	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 15:55	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 15:55	1
Tetrachloroethene	**18.7**		1.00	0.480	ug/L			08/29/24 15:55	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 15:55	1
trans-1,2-Dichloroethene	**15.6**		1.00	0.270	ug/L			08/29/24 15:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 15:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 15:55	1
Trichloroethene	**16.9**		1.00	0.430	ug/L			08/29/24 15:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 15:55	1

Client Sample ID: MWA#
Date Collected: 08/28/24 08:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-1
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 15:55	1
Vinyl chloride	**32.1**		1.00	0.180	ug/L			08/29/24 15:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/29/24 15:55*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/29/24 15:55*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/29/24 15:55*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1310**		50.0	22.5	mg/L			09/05/24 09:16	50
Nitrate as N	<0.0780		0.200	0.0780	mg/L			08/29/24 18:31	1
Nitrite as N	**0.519**		0.200	0.0430	mg/L			08/29/24 18:31	1
Sulfate	**43.4**		5.00	2.10	mg/L			09/04/24 10:34	5
Fluoride	**0.845**	**J**	1.00	0.375	mg/L			09/04/24 10:34	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.600**	**J**	1.00	0.375	mg/L			09/03/24 14:52	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00606**		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 17:39	1
Boron	**3.13**		0.100	0.0760	mg/L		08/30/24 09:00	09/10/24 17:08	1
Iron	**87.3**	**B**	0.100	0.0360	mg/L		08/30/24 09:00	09/10/24 17:08	1
Lead	**0.000538**		0.000500	0.000260	mg/L		08/30/24 09:00	09/03/24 17:39	1
Cadmium	**0.00276**		0.000200	0.000100	mg/L		08/30/24 09:00	09/13/24 13:42	1
Chromium	**0.00127**	**J**	0.00500	0.00120	mg/L		08/30/24 09:00	09/03/24 17:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	**0.0143**	**J F1**	0.0200	0.0100	mg/L			08/28/24 17:21	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW7+
Date Collected: 08/26/24 12:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-2
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 16:17	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 16:17	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 16:17	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 16:17	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 16:17	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 16:17	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 16:17	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 16:17	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 16:17	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 16:17	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:17	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 16:17	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 16:17	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:17	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 16:17	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 16:17	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 16:17	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 16:17	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 16:17	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 16:17	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 16:17	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 16:17	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 16:17	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 16:17	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 16:17	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 16:17	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 16:17	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 16:17	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 16:17	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 16:17	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 16:17	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 16:17	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 11:52	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 16:17	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 16:17	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 16:17	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 16:17	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 16:17	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 16:17	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 16:17	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 16:17	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 16:17	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 16:17	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 16:17	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 16:17	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 16:17	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 16:17	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 16:17	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 16:17	1

Client Sample ID: MW7+
Date Collected: 08/26/24 12:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-2
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 16:17	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*08/29/24 16:17*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/30/24 11:52*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/29/24 16:17*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/30/24 11:52*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/29/24 16:17*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/30/24 11:52*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.87**		5.00	2.25	mg/L			09/03/24 13:43	5
Sulfate	**922**		50.0	21.0	mg/L			09/03/24 16:02	50
Fluoride	**0.657**	**J**	1.00	0.375	mg/L			09/03/24 13:43	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.527**	**J**	1.00	0.375	mg/L			09/03/24 15:04	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		08/30/24 09:00	09/10/24 17:11	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/30/24 09:00	09/10/24 17:11	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/30/24 09:00	09/10/24 17:11	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/30/24 09:00	09/10/24 17:11	1
Boron	**1.18**		0.100	0.0760	mg/L		08/30/24 09:00	09/10/24 17:11	1
Magnesium	**79.4**		0.500	0.150	mg/L		08/30/24 09:00	09/10/24 17:11	1
Manganese	**0.00747**	**J**	0.0100	0.00360	mg/L		08/30/24 09:00	09/10/24 17:11	1
Nickel	<0.00210	^+	0.00500	0.00210	mg/L		08/30/24 09:00	09/12/24 16:48	1
Strontium	**1.37**		0.00100	0.000530	mg/L		08/30/24 09:00	09/10/24 17:11	1
Lithium	**0.0983**		0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 17:41	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	<4.80		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**76.5**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 10:19	1
TOX Result 1 (SW846 9020B)	**77.3**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 10:19	1
TOX Result 2 (SW846 9020B)	**75.7**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 10:19	1
TOX Dup (SW846 9020B)	**76.5**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 10:19	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:14	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:07	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW8+
Date Collected: 08/26/24 11:50
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-3
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 16:40	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 16:40	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 16:40	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 16:40	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 16:40	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 16:40	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 16:40	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 16:40	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 16:40	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 16:40	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:40	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 16:40	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 16:40	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:40	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 16:40	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 16:40	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 16:40	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 16:40	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 16:40	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 16:40	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 16:40	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 16:40	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 16:40	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 16:40	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 16:40	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 16:40	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 16:40	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 16:40	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 16:40	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 16:40	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 16:40	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 16:40	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/03/24 13:00	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 16:40	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 16:40	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 16:40	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 16:40	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 16:40	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 16:40	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 16:40	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 16:40	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 16:40	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 16:40	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 16:40	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 16:40	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 16:40	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 16:40	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 16:40	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 16:40	1

Client Sample ID: MW8+
Date Collected: 08/26/24 11:50
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-3
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 16:40	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*73 - 130*		*08/29/24 16:40*	*1*
Dibromofluoromethane (Surr)	*102*		*73 - 130*		*09/03/24 13:00*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/29/24 16:40*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/03/24 13:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/29/24 16:40*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*09/03/24 13:00*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.61**		5.00	2.25	mg/L			09/03/24 13:56	5
Sulfate	**39.8**		5.00	2.10	mg/L			09/03/24 13:56	5
Fluoride	**0.599**	**J**	1.00	0.375	mg/L			09/03/24 13:56	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.591**	**J**	1.00	0.375	mg/L			09/03/24 15:41	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		08/30/24 09:00	09/10/24 17:13	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 17:43	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/30/24 09:00	09/10/24 17:13	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/30/24 09:00	09/10/24 17:13	1
Boron	<0.0760		0.100	0.0760	mg/L		08/30/24 09:00	09/10/24 17:13	1
Magnesium	**14.0**		0.500	0.150	mg/L		08/30/24 09:00	09/10/24 17:13	1
Manganese	**0.00391**	**J**	0.0100	0.00360	mg/L		08/30/24 09:00	09/10/24 17:13	1
Nickel	<0.00210	^+	0.00500	0.00210	mg/L		08/30/24 09:00	09/12/24 16:51	1
Strontium	**0.153**		0.00100	0.000530	mg/L		08/30/24 09:00	09/10/24 17:13	1
Lithium	**0.0136**		0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 17:43	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	<4.80		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**60.6**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 11:51	1
TOX Result 1 (SW846 9020B)	**65.4**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 11:51	1
TOX Result 2 (SW846 9020B)	**55.8**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 11:51	1
TOX Dup (SW846 9020B)	**60.6**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 11:51	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:13	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:08	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW11+#
Date Collected: 08/26/24 14:05
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-4
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 17:02	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 17:02	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 17:02	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 17:02	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 17:02	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 17:02	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 17:02	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 17:02	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 17:02	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 17:02	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:02	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 17:02	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 17:02	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:02	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 17:02	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 17:02	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 17:02	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 17:02	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 17:02	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 17:02	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 17:02	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 17:02	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 17:02	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 17:02	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 17:02	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 17:02	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 17:02	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 17:02	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 17:02	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 17:02	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 17:02	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 17:02	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 17:02	1
cis-1,2-Dichloroethene	**2.49**		1.00	0.210	ug/L			08/29/24 17:02	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 17:02	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 17:02	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 17:02	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 17:02	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 17:02	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 17:02	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 17:02	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 17:02	1
Tetrachloroethene	**9.69**		1.00	0.480	ug/L			08/29/24 17:02	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 17:02	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 17:02	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 17:02	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 17:02	1
Trichloroethene	**0.839**	**J**	1.00	0.430	ug/L			08/29/24 17:02	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 17:02	1

Client Sample ID: MW11+#
Date Collected: 08/26/24 14:05
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-4
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 17:02	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 17:02	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/29/24 17:02*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/24 17:02*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/29/24 17:02*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		5.00	2.25	mg/L			09/03/24 14:08	5
Sulfate	**35.7**		5.00	2.10	mg/L			09/03/24 14:08	5
Fluoride	**18.2**		1.00	0.375	mg/L			09/03/24 14:08	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**18.9**		1.00	0.375	mg/L			09/03/24 15:53	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.329**	**B**	0.0500	0.0210	mg/L		08/30/24 09:00	09/10/24 17:24	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 17:45	1
Beryllium	**0.000619**	**J**	0.00100	0.000330	mg/L		08/30/24 09:00	09/10/24 17:24	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		08/30/24 09:00	09/10/24 17:24	1
Boron	**2.24**		0.100	0.0760	mg/L		08/30/24 09:00	09/13/24 13:44	1
Iron	**0.0525**	**J B**	0.100	0.0360	mg/L		08/30/24 09:00	09/10/24 17:24	1
Cadmium	**0.000132**	**J**	0.000200	0.000100	mg/L		08/30/24 09:00	09/13/24 13:44	1
Magnesium	**14.0**		0.500	0.150	mg/L		08/30/24 09:00	09/10/24 17:24	1
Manganese	**0.105**		0.0100	0.00360	mg/L		08/30/24 09:00	09/10/24 17:24	1
Nickel	<0.00210	^+	0.00500	0.00210	mg/L		08/30/24 09:00	09/12/24 16:53	1
Strontium	**0.196**		0.00100	0.000530	mg/L		08/30/24 09:00	09/10/24 17:24	1
Lithium	**0.00516**	**J**	0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 17:45	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.0391**	**J**	0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**13.1**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**205**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 12:38	1
TOX Result 1 (SW846 9020B)	**214**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 12:38	1
TOX Result 2 (SW846 9020B)	**197**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 12:38	1
TOX Dup (SW846 9020B)	**205**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 12:38	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:13	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:08	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW12+
Date Collected: 08/27/24 08:25
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-5
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 17:25	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 17:25	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 17:25	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 17:25	1
1,1-Dichloroethane	**0.445**	**J**	1.00	0.220	ug/L			08/29/24 17:25	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 17:25	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 17:25	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 17:25	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 17:25	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 17:25	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:25	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 17:25	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 17:25	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:25	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 17:25	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 17:25	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 17:25	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 17:25	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 17:25	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 17:25	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 17:25	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 17:25	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 17:25	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 17:25	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 17:25	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 17:25	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 17:25	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 17:25	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 17:25	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 17:25	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 17:25	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 17:25	1
cis-1,2-Dichloroethene	**0.556**	**J**	1.00	0.210	ug/L			08/29/24 17:25	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 17:25	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 17:25	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 17:25	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 17:25	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 17:25	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 17:25	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 17:25	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 17:25	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 17:25	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 17:25	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 17:25	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 17:25	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 17:25	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 17:25	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 17:25	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 17:25	1

Client Sample ID: MW12+
Date Collected: 08/27/24 08:25
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-5
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 17:25	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/29/24 17:25*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/29/24 17:25*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/29/24 17:25*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		5.00	2.25	mg/L			09/03/24 14:21	5
Sulfate	**1840**		50.0	21.0	mg/L			09/03/24 16:14	50
Fluoride	<0.375		1.00	0.375	mg/L			09/03/24 14:21	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/03/24 16:05	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0840		0.200	0.0840	mg/L		08/30/24 09:00	09/10/24 17:26	4
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 17:48	1
Beryllium	<0.00132		0.00400	0.00132	mg/L		08/30/24 09:00	09/10/24 17:26	4
Cobalt	**0.00147**	**J**	0.00200	0.000680	mg/L		08/30/24 09:00	09/10/24 17:26	4
Boron	**16.3**		0.400	0.304	mg/L		08/30/24 09:00	09/13/24 13:46	4
Magnesium	**150**		2.00	0.600	mg/L		08/30/24 09:00	09/10/24 17:26	4
Manganese	**3.34**		0.0400	0.0144	mg/L		08/30/24 09:00	09/10/24 17:26	4
Nickel	<0.00840	^+	0.0200	0.00840	mg/L		08/30/24 09:00	09/12/24 16:55	4
Strontium	**2.88**		0.00400	0.00212	mg/L		08/30/24 09:00	09/10/24 17:26	4
Lithium	**0.118**		0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 17:48	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**8.77**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**95.3**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 13:27	1
TOX Result 1 (SW846 9020B)	**89.0**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 13:27	1
TOX Result 2 (SW846 9020B)	**102**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 13:27	1
TOX Dup (SW846 9020B)	**95.3**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 13:27	1
Phenols, Total (SW846 9066)	<0.0106		0.0212	0.0106	mg/L		09/04/24 08:28	09/04/24 17:12	1
Ammonia as N (EPA 350.1)	**1.23**		0.200	0.100	mg/L			08/29/24 15:10	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW13+
Date Collected: 08/26/24 16:15
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-6
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 17:48	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 17:48	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 17:48	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 17:48	1
1,1-Dichloroethane	**18.0**		1.00	0.220	ug/L			08/29/24 17:48	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 17:48	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 17:48	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 17:48	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 17:48	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 17:48	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:48	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 17:48	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 17:48	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:48	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 17:48	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 17:48	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 17:48	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 17:48	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 17:48	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 17:48	1
Benzene	**0.721**		0.500	0.220	ug/L			08/29/24 17:48	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 17:48	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 17:48	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 17:48	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 17:48	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 17:48	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 17:48	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 17:48	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 17:48	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 17:48	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 17:48	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 17:48	1
cis-1,2-Dichloroethene	**4.68**		1.00	0.210	ug/L			08/29/24 17:48	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 17:48	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 17:48	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 17:48	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 17:48	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 17:48	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 17:48	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 17:48	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 17:48	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 17:48	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 17:48	1
trans-1,2-Dichloroethene	**2.20**		1.00	0.270	ug/L			08/29/24 17:48	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 17:48	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 17:48	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 17:48	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 17:48	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 17:48	1

Client Sample ID: MW13+
Date Collected: 08/26/24 16:15
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-6
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**20.8**		1.00	0.180	ug/L			08/29/24 17:48	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/29/24 17:48*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/29/24 17:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/29/24 17:48*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		50.0	22.5	mg/L			09/05/24 09:29	50
Nitrate as N	<0.0780	H	0.200	0.0780	mg/L			08/29/24 18:44	1
Nitrite as N	**0.367**	**H**	0.200	0.0430	mg/L			08/29/24 18:44	1
Sulfate	**1480**		50.0	21.0	mg/L			09/05/24 09:29	50
Fluoride	**50.3**		10.0	3.75	mg/L			09/05/24 09:29	50

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**51.1**		10.0	3.75	mg/L			09/04/24 09:18	50

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2.27**	**B**	0.350	0.147	mg/L		08/30/24 09:00	09/10/24 17:29	7
Arsenic	**0.00784**		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 17:50	1
Beryllium	<0.00231		0.00700	0.00231	mg/L		08/30/24 09:00	09/10/24 17:29	7
Cobalt	**0.0179**		0.00350	0.00119	mg/L		08/30/24 09:00	09/10/24 17:29	7
Boron	**19.2**		3.50	2.66	mg/L		08/30/24 09:00	09/13/24 13:49	35
Magnesium	**530**		3.50	1.05	mg/L		08/30/24 09:00	09/10/24 17:29	7
Manganese	**26.0**		0.0700	0.0252	mg/L		08/30/24 09:00	09/10/24 17:29	7
Nickel	<0.0735		0.175	0.0735	mg/L		08/30/24 09:00	09/16/24 15:28	35
Strontium	**0.704**	**F1**	0.00700	0.00371	mg/L		08/30/24 09:00	09/10/24 17:29	7
Lithium	**0.0380**		0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 17:50	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**6.76**		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**33.9**		25.0	24.0	mg/L			09/03/24 11:57	5
Halogens, Total Organic (SW846 9020B)	**259**		40.0	14.0	ug/L		09/12/24 08:52	09/13/24 06:29	1
TOX Result 1 (SW846 9020B)	**267**		40.0	14.0	ug/L		09/12/24 08:52	09/13/24 06:29	1
TOX Result 2 (SW846 9020B)	**252**	**F1**	40.0	14.0	ug/L		09/12/24 08:52	09/13/24 06:29	1
TOX Dup (SW846 9020B)	**259**		40.0	14.0	ug/L		09/12/24 08:52	09/13/24 06:29	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:06	1
Ammonia as N (EPA 350.1)	**6.72**		0.200	0.100	mg/L			08/29/24 15:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	<0.0100	H H3 F1 F2	0.0200	0.0100	mg/L			08/28/24 17:25	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW16+
Date Collected: 08/27/24 09:20
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-7
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 18:10	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 18:10	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 18:10	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 18:10	1
1,1-Dichloroethane	**0.488**	**J**	1.00	0.220	ug/L			08/29/24 18:10	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 18:10	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 18:10	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 18:10	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 18:10	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 18:10	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 18:10	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 18:10	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 18:10	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 18:10	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 18:10	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 18:10	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 18:10	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 18:10	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 18:10	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 18:10	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 18:10	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 18:10	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 18:10	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 18:10	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 18:10	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 18:10	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 18:10	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 18:10	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 18:10	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 18:10	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 18:10	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 18:10	1
cis-1,2-Dichloroethene	**22.0**		1.00	0.210	ug/L			08/29/24 18:10	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 18:10	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 18:10	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 18:10	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 18:10	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 18:10	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 18:10	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 18:10	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 18:10	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 18:10	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 18:10	1
trans-1,2-Dichloroethene	**0.342**	**J**	1.00	0.270	ug/L			08/29/24 18:10	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 18:10	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 18:10	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 18:10	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 18:10	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 18:10	1

Client Sample ID: MW16+
Date Collected: 08/27/24 09:20
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-7
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**0.302**	**J**	1.00	0.180	ug/L			08/29/24 18:10	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/29/24 18:10*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/29/24 18:10*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/29/24 18:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**844**		50.0	22.5	mg/L			09/03/24 16:29	50
Sulfate	**383**		5.00	2.10	mg/L			09/03/24 14:33	5
Fluoride	**1.72**		1.00	0.375	mg/L			09/03/24 14:33	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**1.68**		1.00	0.375	mg/L			09/03/24 16:53	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0840		0.200	0.0840	mg/L		08/30/24 09:00	09/10/24 17:35	4
Arsenic	**0.000809**	**J**	0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 18:05	1
Beryllium	<0.00132		0.00400	0.00132	mg/L		08/30/24 09:00	09/10/24 17:35	4
Cobalt	**0.00438**		0.00200	0.000680	mg/L		08/30/24 09:00	09/10/24 17:35	4
Boron	**57.3**		2.00	1.52	mg/L		08/30/24 09:00	09/13/24 14:04	20
Magnesium	**152**		2.00	0.600	mg/L		08/30/24 09:00	09/10/24 17:35	4
Manganese	**2.59**		0.0400	0.0144	mg/L		08/30/24 09:00	09/10/24 17:35	4
Nickel	<0.0420	^+	0.100	0.0420	mg/L		08/30/24 09:00	09/12/24 17:04	20
Strontium	**1.43**		0.00400	0.00212	mg/L		08/30/24 09:00	09/10/24 17:35	4
Lithium	**0.0236**		0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 18:05	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.381**		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**25.6**		25.0	24.0	mg/L			09/03/24 11:57	5
Halogens, Total Organic (SW846 9020B)	**343**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 16:00	1
TOX Result 1 (SW846 9020B)	**362**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 16:00	1
TOX Result 2 (SW846 9020B)	**324**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 16:00	1
TOX Dup (SW846 9020B)	**343**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 16:00	1
Phenols, Total (SW846 9066)	<0.0106		0.0212	0.0106	mg/L		09/04/24 08:28	09/04/24 17:08	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:13	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW17+
Date Collected: 08/27/24 10:05
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-8
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 18:33	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 18:33	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 18:33	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 18:33	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 18:33	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 18:33	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 18:33	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 18:33	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 18:33	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 18:33	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 18:33	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 18:33	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 18:33	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 18:33	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 18:33	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 18:33	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 18:33	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 18:33	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 18:33	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 18:33	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 18:33	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 18:33	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 18:33	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 18:33	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 18:33	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 18:33	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 18:33	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 18:33	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 18:33	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 18:33	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 18:33	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 18:33	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/29/24 18:33	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 18:33	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 18:33	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 18:33	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 18:33	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 18:33	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 18:33	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 18:33	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 18:33	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 18:33	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 18:33	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 18:33	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 18:33	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 18:33	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 18:33	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 18:33	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 18:33	1

Client Sample ID: MW17+
Date Collected: 08/27/24 10:05
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-8
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 18:33	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*73 - 130*		*08/29/24 18:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/24 18:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/29/24 18:33*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**427**		5.00	2.25	mg/L			09/03/24 15:11	5
Sulfate	**406**		5.00	2.10	mg/L			09/03/24 15:11	5
Fluoride	**20.2**		1.00	0.375	mg/L			09/03/24 15:11	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**21.2**		1.00	0.375	mg/L			09/03/24 17:05	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.602**	**B**	0.200	0.0840	mg/L		08/30/24 09:00	09/10/24 17:37	4
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 18:07	1
Beryllium	<0.00132		0.00400	0.00132	mg/L		08/30/24 09:00	09/10/24 17:37	4
Cobalt	<0.000680		0.00200	0.000680	mg/L		08/30/24 09:00	09/10/24 17:37	4
Boron	**55.7**		2.00	1.52	mg/L		08/30/24 09:00	09/13/24 14:06	20
Magnesium	**122**		2.00	0.600	mg/L		08/30/24 09:00	09/10/24 17:37	4
Manganese	**0.133**		0.0400	0.0144	mg/L		08/30/24 09:00	09/10/24 17:37	4
Nickel	<0.0420	^+	0.100	0.0420	mg/L		08/30/24 09:00	09/12/24 17:06	20
Strontium	**0.978**		0.00400	0.00212	mg/L		08/30/24 09:00	09/10/24 17:37	4
Lithium	**0.0214**		0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 18:07	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 16:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**11.8**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**309**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 17:12	1
TOX Result 1 (SW846 9020B)	**331**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 17:12	1
TOX Result 2 (SW846 9020B)	**286**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 17:12	1
TOX Dup (SW846 9020B)	**309**		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 17:12	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:15	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:15	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW20#
Date Collected: 08/27/24 11:15
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-9
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 18:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 18:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 18:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 18:55	1
1,1-Dichloroethane	**7.81**		1.00	0.220	ug/L			08/29/24 18:55	1
1,1-Dichloroethene	**0.772**	**J**	2.00	0.560	ug/L			08/29/24 18:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 18:55	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 18:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 18:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 18:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 18:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 18:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 18:55	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 18:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 18:55	1
1,4-Dioxane	**102**		100	34.0	ug/L			08/29/24 18:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 18:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 18:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 18:55	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 18:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 18:55	1
Benzene	**1.97**		0.500	0.220	ug/L			08/29/24 18:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 18:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 18:55	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 18:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 18:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 18:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 18:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 18:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 18:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 18:55	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 18:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 18:55	1
cis-1,2-Dichloroethene	**311**		1.00	0.210	ug/L			08/29/24 18:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 18:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 18:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 18:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 18:55	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 18:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 18:55	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 18:55	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 18:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 18:55	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 18:55	1
trans-1,2-Dichloroethene	**19.0**		1.00	0.270	ug/L			08/29/24 18:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 18:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 18:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 18:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 18:55	1

Client Sample ID: MW20#
Date Collected: 08/27/24 11:15
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-9
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 18:55	1
Vinyl chloride	**245**		10.0	1.80	ug/L			08/30/24 17:07	10
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/29/24 18:55*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*08/30/24 17:07*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/24 18:55*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/30/24 17:07*	*10*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/29/24 18:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/30/24 17:07*	*10*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**867**		50.0	22.5	mg/L			09/03/24 16:41	50
Sulfate	**79.4**		5.00	2.10	mg/L			09/03/24 15:24	5
Fluoride	**36.3**		1.00	0.375	mg/L			09/03/24 15:24	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**35.3**		1.00	0.375	mg/L			09/03/24 17:17	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0704**		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 18:10	1
Boron	**39.0**		1.00	0.760	mg/L		08/30/24 09:00	09/13/24 14:09	10
Iron	**82.6**	**B**	0.100	0.0360	mg/L		08/30/24 09:00	09/10/24 17:39	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW30#
Date Collected: 08/27/24 11:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-10
Matrix: Wastewater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 19:18	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 19:18	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 19:18	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 19:18	1
1,1-Dichloroethane	**0.610**	**J**	1.00	0.220	ug/L			08/29/24 19:18	1
1,1-Dichloroethene	**0.760**	**J**	2.00	0.560	ug/L			08/29/24 19:18	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 19:18	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 19:18	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 19:18	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 19:18	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 19:18	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 19:18	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 19:18	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 19:18	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 19:18	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 19:18	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 19:18	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 19:18	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 19:18	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 19:18	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 19:18	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 19:18	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 19:18	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 19:18	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 19:18	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 19:18	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 19:18	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 19:18	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 19:18	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 19:18	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 19:18	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 19:18	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 19:18	1
cis-1,2-Dichloroethene	**59.9**		1.00	0.210	ug/L			08/29/24 19:18	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 19:18	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 19:18	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 19:18	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 19:18	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 19:18	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 19:18	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 19:18	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 19:18	1
Tetrachloroethene	**334**		1.00	0.480	ug/L			08/29/24 19:18	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 19:18	1
trans-1,2-Dichloroethene	**0.498**	**J**	1.00	0.270	ug/L			08/29/24 19:18	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 19:18	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 19:18	1
Trichloroethene	**90.5**		1.00	0.430	ug/L			08/29/24 19:18	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 19:18	1

Client Sample ID: MW30#
Date Collected: 08/27/24 11:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-10
Matrix: Wastewater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 19:18	1
Vinyl chloride	**0.828**	**J**	1.00	0.180	ug/L			08/29/24 19:18	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*73 - 130*		*08/29/24 19:18*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/24 19:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/29/24 19:18*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.7**		5.00	2.25	mg/L			09/04/24 11:24	5
Sulfate	**202**		5.00	2.10	mg/L			09/04/24 11:24	5
Fluoride	**3.24**		1.00	0.375	mg/L			09/04/24 11:24	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**3.18**		1.00	0.375	mg/L			09/03/24 17:29	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:18	1
Boron	**2.49**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:07	1
Iron	**0.0383**	**J**	0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:18	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:18	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW35R#
Date Collected: 08/28/24 09:25
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-11
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 19:40	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 19:40	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 19:40	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 19:40	1
1,1-Dichloroethane	**1.85**		1.00	0.220	ug/L			08/29/24 19:40	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 19:40	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 19:40	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 19:40	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 19:40	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 19:40	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 19:40	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 19:40	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 19:40	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 19:40	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 19:40	1
1,4-Dioxane	**47.0**	**J**	100	34.0	ug/L			08/29/24 19:40	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 19:40	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 19:40	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 19:40	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 19:40	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 19:40	1
Benzene	**2.78**		0.500	0.220	ug/L			08/29/24 19:40	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 19:40	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 19:40	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 19:40	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 19:40	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 19:40	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 19:40	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 19:40	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 19:40	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 19:40	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 19:40	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 19:40	1
cis-1,2-Dichloroethene	**418**		1.00	0.210	ug/L			08/29/24 19:40	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 19:40	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 19:40	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 19:40	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 19:40	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 19:40	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 19:40	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 19:40	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 19:40	1
Tetrachloroethene	**0.689**	**J**	1.00	0.480	ug/L			08/29/24 19:40	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 19:40	1
trans-1,2-Dichloroethene	**30.7**		1.00	0.270	ug/L			08/29/24 19:40	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 19:40	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 19:40	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 19:40	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 19:40	1

Client Sample ID: MW35R#
Date Collected: 08/28/24 09:25
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-11
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 19:40	1
Vinyl chloride	**119**		1.00	0.180	ug/L			08/29/24 19:40	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/29/24 19:40*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/29/24 19:40*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/29/24 19:40*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**971**		50.0	22.5	mg/L			09/05/24 10:06	50
Sulfate	**33.1**		5.00	2.10	mg/L			09/04/24 11:37	5
Fluoride	**0.546**	**J**	1.00	0.375	mg/L			09/04/24 11:37	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.543**	**J**	1.00	0.375	mg/L			09/03/24 18:06	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0231**		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:31	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 18:31	1
Boron	**3.84**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:11	1
Iron	**69.8**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:31	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 18:18	1
Chromium	**0.00664**		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	**0.0186**	**J**	0.0200	0.0100	mg/L			08/28/24 17:22	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW37#
Date Collected: 08/27/24 11:55
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-12
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 20:03	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 20:03	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 20:03	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 20:03	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 20:03	1
1,1-Dichloroethene	**9.29**		2.00	0.560	ug/L			08/29/24 20:03	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 20:03	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 20:03	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 20:03	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 20:03	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 20:03	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 20:03	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 20:03	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 20:03	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 20:03	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 20:03	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 20:03	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 20:03	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 20:03	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 20:03	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 20:03	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 20:03	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 20:03	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 20:03	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 20:03	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 20:03	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 20:03	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 20:03	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 20:03	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 20:03	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 20:03	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 20:03	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 20:03	1
cis-1,2-Dichloroethene	**1750**		10.0	2.10	ug/L			08/30/24 17:29	10
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 20:03	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 20:03	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 20:03	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 20:03	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 20:03	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 20:03	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 20:03	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 20:03	1
Tetrachloroethene	**1690**		10.0	4.80	ug/L			08/30/24 17:29	10
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 20:03	1
trans-1,2-Dichloroethene	**19.1**		1.00	0.270	ug/L			08/29/24 20:03	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 20:03	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 20:03	1
Trichloroethene	**410**		1.00	0.430	ug/L			08/29/24 20:03	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 20:03	1

Client Sample ID: MW37#
Date Collected: 08/27/24 11:55
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-12
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 20:03	1
Vinyl chloride	**0.958**	**J**	1.00	0.180	ug/L			08/29/24 20:03	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*73 - 130*		*08/29/24 20:03*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 130*		*08/30/24 17:29*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/29/24 20:03*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/30/24 17:29*	*10*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/29/24 20:03*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/30/24 17:29*	*10*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3460**		500	225	mg/L			09/05/24 10:19	500
Sulfate	**10.6**		5.00	2.10	mg/L			09/04/24 11:49	5
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 11:49	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/03/24 18:18	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.430**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:14	1
Iron	**0.605**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:33	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW38R#
Date Collected: 08/28/24 08:30
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-13
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 12:59	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 12:59	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 12:59	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 12:59	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 12:59	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 12:59	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 12:59	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 12:59	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 12:59	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 12:59	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 12:59	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 12:59	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 12:59	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 12:59	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 12:59	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 12:59	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 12:59	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 12:59	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 12:59	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 12:59	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 12:59	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 12:59	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 12:59	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 12:59	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 12:59	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 12:59	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 12:59	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 12:59	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 12:59	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 12:59	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 12:59	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 12:59	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 12:59	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 12:59	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 12:59	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 12:59	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 12:59	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 12:59	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 12:59	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 12:59	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 12:59	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 12:59	1
Tetrachloroethene	**54.5**		1.00	0.480	ug/L			08/30/24 12:59	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 12:59	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 12:59	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 12:59	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 12:59	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 12:59	1
Trichlorofluoromethane	**1.60**	**J**	4.00	0.380	ug/L			08/30/24 12:59	1

Client Sample ID: MW38R#
Date Collected: 08/28/24 08:30
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-13
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 12:59	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 12:59	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*08/30/24 12:59*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/30/24 12:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/30/24 12:59*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**290**		5.00	2.25	mg/L			09/04/24 12:02	5
Nitrate as N	**6.35**		0.200	0.0780	mg/L			08/29/24 19:21	1
Nitrite as N	**0.0490**	**J**	0.200	0.0430	mg/L			08/29/24 19:21	1
Sulfate	**55.3**		5.00	2.10	mg/L			09/04/24 12:02	5
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 12:02	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/03/24 18:30	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:35	1
Boron	**0.554**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:16	1
Iron	<0.0360		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:35	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	<0.0100		0.0200	0.0100	mg/L			08/28/24 17:23	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW39#
Date Collected: 08/27/24 13:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-14
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 20:48	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 20:48	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 20:48	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 20:48	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 20:48	1
1,1-Dichloroethene	**9.69**		2.00	0.560	ug/L			08/29/24 20:48	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 20:48	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 20:48	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 20:48	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 20:48	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 20:48	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 20:48	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 20:48	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 20:48	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 20:48	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 20:48	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 20:48	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 20:48	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 20:48	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 20:48	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 20:48	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 20:48	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 20:48	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 20:48	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 20:48	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 20:48	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 20:48	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 20:48	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 20:48	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 20:48	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 20:48	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 20:48	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 20:48	1
cis-1,2-Dichloroethene	**122**		1.00	0.210	ug/L			08/29/24 20:48	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 20:48	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 20:48	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 20:48	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 20:48	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 20:48	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 20:48	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 20:48	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 20:48	1
Tetrachloroethene	**1870**		10.0	4.80	ug/L			08/30/24 17:51	10
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 20:48	1
trans-1,2-Dichloroethene	**1.23**		1.00	0.270	ug/L			08/29/24 20:48	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 20:48	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 20:48	1
Trichloroethene	**65.6**		1.00	0.430	ug/L			08/29/24 20:48	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 20:48	1

Client Sample ID: MW39#
Date Collected: 08/27/24 13:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-14
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 20:48	1
Vinyl chloride	**20.5**		1.00	0.180	ug/L			08/29/24 20:48	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*73 - 130*		*08/29/24 20:48*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*08/30/24 17:51*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/29/24 20:48*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/30/24 17:51*	*10*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/29/24 20:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/30/24 17:51*	*10*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1110**		50.0	22.5	mg/L			09/05/24 10:31	50
Sulfate	**33.9**		5.00	2.10	mg/L			09/04/24 12:40	5
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 12:40	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/03/24 18:42	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.812**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:18	1
Iron	<0.0360		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:38	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW41#
Date Collected: 08/27/24 13:20
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-15
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 16:08	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 16:08	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 16:08	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 16:08	1
1,1-Dichloroethane	**1.74**		1.00	0.220	ug/L			08/29/24 16:08	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 16:08	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 16:08	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 16:08	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 16:08	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 16:08	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:08	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 16:08	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 16:08	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:08	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 16:08	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 16:08	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 16:08	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 16:08	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 16:08	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 16:08	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 16:08	1
Benzene	**1.32**		0.500	0.220	ug/L			08/29/24 16:08	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 16:08	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 16:08	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 16:08	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 16:08	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 16:08	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 16:08	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 16:08	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 16:08	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 16:08	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 16:08	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 16:08	1
cis-1,2-Dichloroethene	**3350**		10.0	2.10	ug/L			08/30/24 19:26	10
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 16:08	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 16:08	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 16:08	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 16:08	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 16:08	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 16:08	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 16:08	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 16:08	1
Tetrachloroethene	**4.83**		1.00	0.480	ug/L			08/29/24 16:08	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 16:08	1
trans-1,2-Dichloroethene	**7.22**		1.00	0.270	ug/L			08/29/24 16:08	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 16:08	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 16:08	1
Trichloroethene	**1.76**		1.00	0.430	ug/L			08/29/24 16:08	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 16:08	1

Client Sample ID: MW41#
Date Collected: 08/27/24 13:20
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-15
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 16:08	1
Vinyl chloride	**2.27**		1.00	0.180	ug/L			08/29/24 16:08	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*73 - 130*		*08/29/24 16:08*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*08/30/24 19:26*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/24 16:08*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/30/24 19:26*	*10*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*08/29/24 16:08*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/30/24 19:26*	*10*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1160**		50.0	22.5	mg/L			09/05/24 10:44	50
Sulfate	**98.6**		5.00	2.10	mg/L			09/04/24 12:52	5
Fluoride	**12.4**		1.00	0.375	mg/L			09/04/24 12:52	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**14.8**		1.00	0.375	mg/L			09/03/24 18:54	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000926**	**J**	0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:40	1
Boron	**15.8**		0.400	0.304	mg/L		09/03/24 09:30	09/10/24 14:29	4
Iron	**0.215**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:40	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW42#
Date Collected: 08/26/24 12:10
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-16
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 16:31	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 16:31	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 16:31	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 16:31	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 16:31	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 16:31	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 16:31	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 16:31	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 16:31	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 16:31	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:31	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 16:31	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 16:31	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:31	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 16:31	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 16:31	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 16:31	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 16:31	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 16:31	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 16:31	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 16:31	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 16:31	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 16:31	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 16:31	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 16:31	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 16:31	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 16:31	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 16:31	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 16:31	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 16:31	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 16:31	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 16:31	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 16:31	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 14:33	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 16:31	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 16:31	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 16:31	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 16:31	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 16:31	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 16:31	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 16:31	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 16:31	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 16:31	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 16:31	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 16:31	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 16:31	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 16:31	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 16:31	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 16:31	1

Client Sample ID: MW42#
Date Collected: 08/26/24 12:10
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-16
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 16:31	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 16:31	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*73 - 130*		*08/29/24 16:31*	*1*
Dibromofluoromethane (Surr)	*101*		*73 - 130*		*08/30/24 14:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/29/24 16:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/30/24 14:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/29/24 16:31*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/30/24 14:33*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.45**		5.00	2.25	mg/L			09/04/24 13:05	5
Sulfate	**10.5**		5.00	2.10	mg/L			09/04/24 13:05	5
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 13:05	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/03/24 19:06	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:42	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 18:42	1
Boron	**0.113**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:32	1
Iron	<0.0360		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:42	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 18:42	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 18:36	1
Chromium	**0.00130**	**J**	0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:42	1
Vanadium	**0.00127**	**J**	0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 18:42	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW43#
Date Collected: 08/26/24 12:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-17
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 16:54	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 16:54	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 16:54	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 16:54	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 16:54	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 16:54	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 16:54	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 16:54	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 16:54	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 16:54	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:54	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 16:54	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 16:54	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 16:54	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 16:54	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 16:54	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 16:54	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 16:54	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 16:54	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 16:54	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 16:54	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 16:54	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 16:54	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 16:54	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 16:54	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 16:54	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 16:54	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 16:54	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 16:54	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 16:54	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 16:54	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 16:54	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 16:54	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 14:56	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 16:54	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 16:54	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 16:54	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 16:54	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 16:54	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 16:54	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 16:54	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 16:54	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 16:54	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 16:54	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 16:54	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 16:54	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 16:54	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 16:54	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 16:54	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW43#
Date Collected: 08/26/24 12:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-17
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 16:54	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 16:54	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/29/24 16:54*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 130*		*08/30/24 14:56*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/29/24 16:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/30/24 14:56*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*08/29/24 16:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/30/24 14:56*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.2**		5.00	2.25	mg/L			09/04/24 13:18	5
Sulfate	**14.0**		5.00	2.10	mg/L			09/04/24 13:18	5
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 13:18	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/03/24 19:18	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:44	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 18:44	1
Boron	<0.0760	^+	0.100	0.0760	mg/L		09/03/24 09:30	09/09/24 18:55	1
Iron	<0.0360		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:44	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 18:44	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 18:55	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:44	1
Vanadium	**0.00137**	**J**	0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 18:44	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW44+#
Date Collected: 08/26/24 13:20
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-18
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 17:16	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 17:16	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 17:16	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 17:16	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 17:16	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 17:16	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 17:16	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 17:16	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 17:16	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 17:16	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:16	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 17:16	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 17:16	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:16	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 17:16	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 17:16	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 17:16	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 17:16	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 17:16	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 17:16	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 17:16	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 17:16	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 17:16	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 17:16	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 17:16	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 17:16	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 17:16	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 17:16	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 17:16	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 17:16	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 17:16	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 17:16	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 17:16	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 15:18	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 17:16	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 17:16	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 17:16	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 17:16	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 17:16	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 17:16	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 17:16	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 17:16	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 17:16	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 17:16	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 17:16	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 17:16	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 17:16	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 17:16	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 17:16	1

Client Sample ID: MW44+#
Date Collected: 08/26/24 13:20
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-18
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 17:16	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 17:16	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/29/24 17:16*	*1*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/30/24 15:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/29/24 17:16*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/30/24 15:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/29/24 17:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/30/24 15:18*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.7**		5.00	2.25	mg/L			09/04/24 13:30	5
Sulfate	**220**		5.00	2.10	mg/L			09/04/24 13:30	5
Fluoride	**0.494**	**J**	1.00	0.375	mg/L			09/04/24 13:30	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.414**	**J**	1.00	0.375	mg/L			09/03/24 19:30	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0512**		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 18:58	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:47	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 18:47	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 18:47	1
Boron	**0.127**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:36	1
Iron	**0.0539**	**J**	0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:47	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 18:47	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 18:58	1
Magnesium	**40.7**		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 18:47	1
Manganese	**0.0124**		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 18:58	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 18:58	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:47	1
Strontium	**0.575**		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 18:58	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 18:47	1
Lithium	**0.0485**		0.0100	0.00250	mg/L		09/03/24 09:30	09/09/24 18:58	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 16:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**5.12**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**63.5**		40.0	14.0	ug/L		09/15/24 07:22	09/16/24 07:20	1
TOX Result 1 (SW846 9020B)	**67.1**		40.0	14.0	ug/L		09/15/24 07:22	09/16/24 07:20	1

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Client Sample ID: MW44+#
Lab Sample ID: 310-289219-18
Date Collected: 08/26/24 13:20
Matrix: Groundwater
Date Received: 08/28/24 14:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Result 2 (SW846 9020B)	**59.8**		40.0	14.0	ug/L		09/15/24 07:22	09/16/24 07:20	1
TOX Dup (SW846 9020B)	**63.5**		40.0	14.0	ug/L		09/15/24 07:22	09/16/24 07:20	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:08	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:15	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW45+#
Date Collected: 08/26/24 14:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-19
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 17:39	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 17:39	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 17:39	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 17:39	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 17:39	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 17:39	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 17:39	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 17:39	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 17:39	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 17:39	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:39	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 17:39	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 17:39	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 17:39	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 17:39	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 17:39	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 17:39	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 17:39	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 17:39	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 17:39	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 17:39	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 17:39	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 17:39	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 17:39	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 17:39	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 17:39	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 17:39	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 17:39	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 17:39	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 17:39	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 17:39	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 17:39	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 17:39	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 15:41	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 17:39	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 17:39	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 17:39	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 17:39	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 17:39	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 17:39	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 17:39	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 17:39	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 17:39	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 17:39	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 17:39	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 17:39	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 17:39	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 17:39	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 17:39	1

Client Sample ID: MW45+#
Date Collected: 08/26/24 14:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-19
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 17:39	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 17:39	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/29/24 17:39*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/30/24 15:41*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/24 17:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/30/24 15:41*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/29/24 17:39*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/30/24 15:41*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.06**		5.00	2.25	mg/L			09/04/24 13:43	5
Sulfate	**2100**		50.0	21.0	mg/L			09/05/24 10:57	50
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 13:43	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.517**	**J**	1.00	0.375	mg/L			09/06/24 11:09	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0840		0.200	0.0840	mg/L		09/03/24 09:30	09/09/24 19:02	4
Arsenic	**0.00252**		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:49	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 18:49	1
Cobalt	**0.00554**		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 18:49	1
Boron	**0.482**		0.400	0.304	mg/L		09/03/24 09:30	09/10/24 14:38	4
Iron	**0.319**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:49	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 18:49	1
Cadmium	<0.000400		0.000800	0.000400	mg/L		09/03/24 09:30	09/09/24 19:02	4
Magnesium	**154**		2.00	0.600	mg/L		09/03/24 09:30	09/09/24 19:02	4
Manganese	**2.31**		0.0400	0.0144	mg/L		09/03/24 09:30	09/09/24 19:02	4
Nickel	**0.00856**	**J**	0.0200	0.00840	mg/L		09/03/24 09:30	09/09/24 19:02	4
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:49	1
Strontium	**2.44**		0.00400	0.00212	mg/L		09/03/24 09:30	09/09/24 19:02	4
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 18:49	1
Lithium	**0.148**		0.0400	0.0100	mg/L		09/03/24 09:30	09/09/24 19:02	4

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.318**		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**6.12**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**126**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 10:43	1
TOX Result 1 (SW846 9020B)	**133**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 10:43	1

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Client Sample ID: MW45+#
Lab Sample ID: 310-289219-19
Date Collected: 08/26/24 14:00
Matrix: Groundwater
Date Received: 08/28/24 14:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Result 2 (SW846 9020B)	**119**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 10:43	1
TOX Dup (SW846 9020B)	**126**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 10:43	1
Phenols, Total (SW846 9066)	<0.0108		0.0216	0.0108	mg/L		09/04/24 08:28	09/04/24 17:12	1
Ammonia as N (EPA 350.1)	**0.527**		0.200	0.100	mg/L			08/29/24 15:17	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW46+#
Date Collected: 08/26/24 15:25
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-20
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 16:44	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 16:44	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 16:44	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 16:44	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 16:44	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 16:44	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 16:44	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 16:44	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 16:44	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 16:44	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 16:44	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 16:44	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 16:44	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 16:44	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 16:44	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 16:44	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 16:44	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 16:44	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 16:44	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 16:44	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 16:44	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 16:44	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 16:44	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 16:44	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 16:44	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 16:44	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 16:44	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 16:44	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 16:44	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 16:44	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 16:44	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 16:44	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 16:44	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 16:44	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 16:44	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 16:44	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 16:44	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 16:44	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 16:44	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 16:44	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 16:44	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 16:44	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 16:44	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 16:44	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 16:44	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 16:44	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 16:44	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 16:44	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 16:44	1

Client Sample ID: MW46+#
Date Collected: 08/26/24 15:25
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-20
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 16:44	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 16:44	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/30/24 16:44*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/30/24 16:44*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/30/24 16:44*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.4**		5.00	2.25	mg/L			09/04/24 13:55	5
Sulfate	**11.1**		5.00	2.10	mg/L			09/04/24 13:55	5
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 13:55	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/06/24 11:21	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 19:06	1
Arsenic	**0.0147**		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:51	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 18:51	1
Cobalt	**0.00264**		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 18:51	1
Boron	<0.0760		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:40	1
Iron	**7.92**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:51	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 18:51	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 19:06	1
Magnesium	**40.7**		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 18:51	1
Manganese	**2.08**		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 19:06	1
Nickel	**0.0210**		0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 19:06	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:51	1
Strontium	**0.658**		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 19:06	1
Vanadium	**0.00147**	**J**	0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 18:51	1
Lithium	**0.00673**	**J**	0.0100	0.00250	mg/L		09/03/24 09:30	09/09/24 19:06	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.33**		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**17.4**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**411**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 15:30	1
TOX Result 1 (SW846 9020B)	**432**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 15:30	1
TOX Result 2 (SW846 9020B)	**390**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 15:30	1
TOX Dup (SW846 9020B)	**411**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 15:30	1
Phenols, Total (SW846 9066)	<0.0104		0.0208	0.0104	mg/L		09/04/24 08:28	09/04/24 17:11	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW46+#
Date Collected: 08/26/24 15:25
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-20
Matrix: Groundwater

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	0.830		0.200	0.100	mg/L			08/29/24 15:17	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW47+#
Date Collected: 08/26/24 16:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-21
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 03:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 03:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 03:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 03:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 03:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 03:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 03:55	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 03:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 03:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 03:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 03:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 03:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 03:55	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 03:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 03:55	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 03:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 03:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 03:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 03:55	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 03:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 03:55	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 03:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 03:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 03:55	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 03:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 03:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 03:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 03:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 03:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 03:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 03:55	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 03:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 03:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 03:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 03:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 03:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 03:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 03:55	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 03:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 03:55	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 03:55	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 03:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 03:55	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 03:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 03:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 03:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 03:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 03:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 03:55	1

Client Sample ID: MW47+#
Date Collected: 08/26/24 16:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-21
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 03:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 03:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/30/24 03:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/30/24 03:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/30/24 03:55*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.1**		5.00	2.25	mg/L			09/04/24 14:08	5
Sulfate	**1050**		50.0	21.0	mg/L			09/05/24 11:47	50
Fluoride	**0.715**	**J**	1.00	0.375	mg/L			09/04/24 14:08	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.923**	**J**	1.00	0.375	mg/L			09/06/24 11:33	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0840		0.200	0.0840	mg/L		09/03/24 09:30	09/09/24 19:10	4
Arsenic	**0.0169**		0.00800	0.00212	mg/L		09/03/24 09:30	09/09/24 19:10	4
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 19:02	1
Cobalt	**0.00166**	**J**	0.00200	0.000680	mg/L		09/03/24 09:30	09/09/24 19:10	4
Boron	**0.460**		0.400	0.304	mg/L		09/03/24 09:30	09/10/24 14:43	4
Iron	**3.54**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 19:02	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 19:02	1
Cadmium	<0.000400		0.000800	0.000400	mg/L		09/03/24 09:30	09/09/24 19:10	4
Magnesium	**111**		2.00	0.600	mg/L		09/03/24 09:30	09/09/24 19:10	4
Manganese	**1.48**		0.0400	0.0144	mg/L		09/03/24 09:30	09/09/24 19:10	4
Nickel	<0.00840		0.0200	0.00840	mg/L		09/03/24 09:30	09/09/24 19:10	4
Chromium	<0.00480		0.0200	0.00480	mg/L		09/03/24 09:30	09/09/24 19:10	4
Strontium	**1.71**		0.00400	0.00212	mg/L		09/03/24 09:30	09/09/24 19:10	4
Vanadium	<0.00440		0.0200	0.00440	mg/L		09/03/24 09:30	09/09/24 19:10	4
Lithium	**0.0826**		0.0100	0.00250	mg/L		09/03/24 09:30	09/04/24 19:02	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.48**		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**11.8**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**355**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 16:25	1
TOX Result 1 (SW846 9020B)	**365**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 16:25	1
TOX Result 2 (SW846 9020B)	**345**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 16:25	1
TOX Dup (SW846 9020B)	**355**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 16:25	1
Phenols, Total (SW846 9066)	<0.0108		0.0216	0.0108	mg/L		09/04/24 08:28	09/04/24 17:12	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW47+#
Date Collected: 08/26/24 16:35
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-21
Matrix: Groundwater

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	0.671		0.200	0.100	mg/L			08/29/24 15:18	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW48+#
Date Collected: 08/27/24 08:45
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-22
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 03:33	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 03:33	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 03:33	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 03:33	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 03:33	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 03:33	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 03:33	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 03:33	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 03:33	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 03:33	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 03:33	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 03:33	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 03:33	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 03:33	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 03:33	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 03:33	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 03:33	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 03:33	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 03:33	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 03:33	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 03:33	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 03:33	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 03:33	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 03:33	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 03:33	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 03:33	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 03:33	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 03:33	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 03:33	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 03:33	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 03:33	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 03:33	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 03:33	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 03:33	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 03:33	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 03:33	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 03:33	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 03:33	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 03:33	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 03:33	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 03:33	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 03:33	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 03:33	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 03:33	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 03:33	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 03:33	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 03:33	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 03:33	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 03:33	1

Client Sample ID: MW48+#
Date Collected: 08/27/24 08:45
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-22
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 03:33	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 03:33	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/30/24 03:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/30/24 03:33*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/30/24 03:33*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**269**		5.00	2.25	mg/L			09/04/24 14:20	5
Nitrate as N	<0.0780	H	0.200	0.0780	mg/L			08/29/24 20:24	1
Nitrite as N	<0.0430	H F1	0.200	0.0430	mg/L			08/29/24 20:24	1
Sulfate	**27.3**		5.00	2.10	mg/L			09/04/24 14:20	5
Fluoride	<0.375		1.00	0.375	mg/L			09/04/24 14:20	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.555**	**J**	1.00	0.375	mg/L			09/06/24 11:44	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 19:13	1
Arsenic	**0.00120**	**J**	0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 19:04	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 19:04	1
Cobalt	**0.00127**		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 19:04	1
Boron	**0.405**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:45	1
Iron	**0.225**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 19:04	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 19:04	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 19:13	1
Magnesium	**30.4**		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 19:04	1
Manganese	**0.168**		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 19:13	1
Nickel	**0.00360**	**J**	0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 19:13	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 19:04	1
Strontium	**0.518**		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 19:13	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 19:04	1
Lithium	**0.0181**		0.0100	0.00250	mg/L		09/03/24 09:30	09/04/24 19:04	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.106**		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**9.10**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**122**		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 17:45	1
TOX Result 1 (SW846 9020B)	**125**		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 17:45	1
TOX Result 2 (SW846 9020B)	**119**		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 17:45	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW48+#
Date Collected: 08/27/24 08:45
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-22
Matrix: Groundwater

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Dup (SW846 9020B)	**122**		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 17:45	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:29	09/04/24 17:18	1
Ammonia as N (EPA 350.1)	<0.100	F1	0.200	0.100	mg/L			08/29/24 15:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	<0.0100	H H3	0.0200	0.0100	mg/L			08/28/24 17:26	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: MW49+#
Date Collected: 08/27/24 10:10
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-23
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 04:18	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 04:18	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 04:18	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 04:18	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 04:18	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 04:18	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 04:18	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 04:18	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 04:18	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 04:18	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 04:18	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 04:18	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 04:18	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 04:18	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 04:18	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 04:18	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 04:18	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 04:18	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 04:18	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 04:18	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 04:18	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 04:18	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 04:18	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 04:18	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 04:18	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 04:18	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 04:18	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 04:18	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 04:18	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 04:18	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 04:18	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 04:18	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 04:18	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 04:18	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 04:18	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 04:18	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 04:18	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 04:18	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 04:18	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 04:18	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 04:18	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 04:18	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 04:18	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 04:18	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 04:18	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 04:18	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 04:18	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 04:18	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 04:18	1

Client Sample ID: MW49+#
Date Collected: 08/27/24 10:10
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-23
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 04:18	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 04:18	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*73 - 130*		*08/30/24 04:18*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/30/24 04:18*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/30/24 04:18*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.7**		5.00	2.25	mg/L			09/05/24 09:04	5
Sulfate	**1880**		50.0	21.0	mg/L			09/05/24 11:35	50
Fluoride	<0.375		1.00	0.375	mg/L			09/05/24 09:04	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/06/24 12:19	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.367**		0.200	0.0840	mg/L		09/03/24 09:30	09/09/24 19:24	4
Arsenic	**0.0126**		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 19:15	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 19:15	1
Cobalt	**0.00166**		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 19:15	1
Boron	**0.568**		0.400	0.304	mg/L		09/03/24 09:30	09/10/24 15:00	4
Iron	**10.4**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 19:15	1
Lead	**0.00268**		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 19:15	1
Cadmium	<0.000400		0.000800	0.000400	mg/L		09/03/24 09:30	09/09/24 19:24	4
Magnesium	**132**		2.00	0.600	mg/L		09/03/24 09:30	09/09/24 19:24	4
Manganese	**1.24**		0.0400	0.0144	mg/L		09/03/24 09:30	09/09/24 19:24	4
Nickel	<0.00840		0.0200	0.00840	mg/L		09/03/24 09:30	09/09/24 19:24	4
Chromium	**0.00121**	**J**	0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 19:15	1
Strontium	**2.40**		0.00400	0.00212	mg/L		09/03/24 09:30	09/09/24 19:24	4
Vanadium	**0.00242**	**J**	0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 19:15	1
Lithium	**0.0956**		0.0100	0.00250	mg/L		09/03/24 09:30	09/04/24 19:15	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**8.27**		0.100	0.0360	mg/L		08/30/24 09:00	09/04/24 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**12.7**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**105**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 17:20	1
TOX Result 1 (SW846 9020B)	**108**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 17:20	1
TOX Result 2 (SW846 9020B)	**103**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 17:20	1
TOX Dup (SW846 9020B)	**105**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 17:20	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:08	1

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Client Sample ID: MW49+#
Lab Sample ID: 310-289219-23
Date Collected: 08/27/24 10:10
Matrix: Groundwater
Date Received: 08/28/24 14:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N (EPA 350.1)	2.19		0.200	0.100	mg/L			08/29/24 15:22	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: Dup1
Date Collected: 08/26/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-24
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 04:40	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 04:40	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 04:40	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 04:40	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 04:40	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 04:40	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 04:40	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 04:40	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 04:40	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 04:40	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 04:40	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 04:40	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 04:40	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 04:40	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 04:40	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 04:40	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 04:40	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 04:40	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 04:40	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 04:40	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 04:40	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 04:40	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 04:40	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 04:40	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 04:40	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 04:40	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 04:40	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 04:40	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 04:40	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 04:40	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 04:40	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 04:40	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 04:40	1
cis-1,2-Dichloroethene	**2.41**		1.00	0.210	ug/L			09/03/24 13:22	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 04:40	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 04:40	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 04:40	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 04:40	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 04:40	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 04:40	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 04:40	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 04:40	1
Tetrachloroethene	**10.0**		1.00	0.480	ug/L			08/30/24 04:40	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 04:40	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 04:40	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 04:40	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 04:40	1
Trichloroethene	**0.743**	**J**	1.00	0.430	ug/L			08/30/24 04:40	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 04:40	1

Client Sample ID: Dup1
Date Collected: 08/26/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-24
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 04:40	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 04:40	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*73 - 130*		*08/30/24 04:40*	*1*
Dibromofluoromethane (Surr)	*110*		*73 - 130*		*09/03/24 13:22*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/30/24 04:40*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/03/24 13:22*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/30/24 04:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/03/24 13:22*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**257**		5.00	2.25	mg/L			09/05/24 15:19	5
Nitrate as N	<0.0780	H H3	0.200	0.0780	mg/L			08/29/24 21:02	1
Nitrite as N	<0.0430	H H3	0.200	0.0430	mg/L			08/29/24 21:02	1
Sulfate	**37.7**		5.00	2.10	mg/L			09/05/24 15:19	5
Fluoride	**18.7**		1.00	0.375	mg/L			09/05/24 15:19	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**18.6**		1.00	0.375	mg/L			09/06/24 12:54	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.324**		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 19:27	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 19:18	1
Beryllium	**0.000567**	**J**	0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 19:18	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 19:18	1
Boron	**2.10**		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 15:02	1
Iron	**0.0516**	**J**	0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 19:18	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 19:18	1
Cadmium	**0.000136**	**J**	0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 19:27	1
Magnesium	**12.8**		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 19:18	1
Manganese	**0.118**		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 19:27	1
Nickel	**0.00268**	**J**	0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 19:27	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 19:18	1
Strontium	**0.204**		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 19:27	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 19:18	1
Lithium	**0.00466**	**J**	0.0100	0.00250	mg/L		09/03/24 09:30	09/04/24 19:18	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/04/24 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**14.7**		5.00	4.80	mg/L			09/03/24 11:57	1

Client Sample ID: Dup1
Date Collected: 08/26/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-24
Matrix: Groundwater

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic (SW846 9020B)	**323**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 18:31	1
TOX Result 1 (SW846 9020B)	**355**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 18:31	1
TOX Result 2 (SW846 9020B)	**291**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 18:31	1
TOX Dup (SW846 9020B)	**323**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 18:31	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:10	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	<0.0100	H H3	0.0200	0.0100	mg/L			08/28/24 17:23	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: Dup2
Date Collected: 08/26/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-25
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 05:03	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 05:03	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 05:03	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 05:03	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 05:03	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 05:03	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 05:03	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 05:03	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 05:03	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 05:03	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 05:03	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 05:03	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 05:03	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 05:03	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 05:03	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 05:03	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 05:03	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 05:03	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 05:03	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 05:03	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 05:03	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 05:03	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 05:03	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 05:03	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 05:03	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 05:03	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 05:03	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 05:03	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 05:03	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 05:03	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 05:03	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 05:03	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 05:03	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 05:03	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 05:03	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 05:03	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 05:03	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 05:03	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 05:03	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 05:03	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 05:03	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 05:03	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 05:03	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 05:03	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 05:03	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 05:03	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 05:03	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 05:03	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 05:03	1

Client Sample ID: Dup2
Date Collected: 08/26/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-25
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 05:03	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 05:03	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/30/24 05:03*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/30/24 05:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/30/24 05:03*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.3**		5.00	2.25	mg/L			09/05/24 15:31	5
Nitrate as N	<0.0780	H H3	0.200	0.0780	mg/L			08/29/24 21:15	1
Nitrite as N	<0.0430	H H3	0.200	0.0430	mg/L			08/29/24 21:15	1
Sulfate	**9.40**		5.00	2.10	mg/L			09/05/24 15:31	5
Fluoride	<0.375		1.00	0.375	mg/L			09/05/24 15:31	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/06/24 13:05	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 19:46	1
Arsenic	**0.0134**		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 19:20	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 19:20	1
Cobalt	**0.00259**		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 19:20	1
Boron	<0.0760		0.100	0.0760	mg/L		09/03/24 09:30	09/09/24 19:46	1
Iron	**7.30**		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 19:20	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 19:20	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 19:46	1
Magnesium	**41.8**		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 19:20	1
Manganese	**2.11**		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 19:46	1
Nickel	**0.0225**		0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 19:46	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 19:20	1
Strontium	**0.697**		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 19:46	1
Vanadium	**0.00139**	**J**	0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 19:20	1
Lithium	**0.00855**	**J**	0.0100	0.00250	mg/L		09/03/24 09:30	09/04/24 19:20	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.36**		0.100	0.0360	mg/L		08/30/24 09:00	09/04/24 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	**20.0**		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**233**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 19:02	1
TOX Result 1 (SW846 9020B)	**235**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 19:02	1
TOX Result 2 (SW846 9020B)	**230**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 19:02	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: Dup2
Date Collected: 08/26/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-25
Matrix: Groundwater

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Dup (SW846 9020B)	**233**		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 19:02	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:10	1
Ammonia as N (EPA 350.1)	**0.800**		0.200	0.100	mg/L			08/29/24 15:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	<0.0100	H H3	0.0200	0.0100	mg/L			08/28/24 17:23	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: Equip1
Date Collected: 08/27/24 07:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-26
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 02:48	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 02:48	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 02:48	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 02:48	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 02:48	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 02:48	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 02:48	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 02:48	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 02:48	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 02:48	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 02:48	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 02:48	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 02:48	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 02:48	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 02:48	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 02:48	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 02:48	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 02:48	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 02:48	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 02:48	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 02:48	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 02:48	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 02:48	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 02:48	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 02:48	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 02:48	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 02:48	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 02:48	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 02:48	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 02:48	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 02:48	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 02:48	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 02:48	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 02:48	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 02:48	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 02:48	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 02:48	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 02:48	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 02:48	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 02:48	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 02:48	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 02:48	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 02:48	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 02:48	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 02:48	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 02:48	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 02:48	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 02:48	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 02:48	1

Client Sample ID: Equip1
Date Collected: 08/27/24 07:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-26
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 02:48	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 02:48	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*08/30/24 02:48*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/30/24 02:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/30/24 02:48*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.25		5.00	2.25	mg/L			09/05/24 15:43	5
Nitrate as N	<0.0780	H	0.200	0.0780	mg/L			08/29/24 21:27	1
Nitrite as N	<0.0430	H	0.200	0.0430	mg/L			08/29/24 21:27	1
Sulfate	<2.10		5.00	2.10	mg/L			09/05/24 15:43	5
Fluoride	<0.375		1.00	0.375	mg/L			09/05/24 15:43	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/06/24 13:17	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 19:49	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 19:22	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 19:22	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 19:22	1
Boron	<0.0760		0.100	0.0760	mg/L		09/03/24 09:30	09/09/24 19:49	1
Iron	<0.0360		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 19:22	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 19:22	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 19:49	1
Magnesium	<0.150		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 19:22	1
Manganese	<0.00360		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 19:49	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 19:49	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 19:22	1
Strontium	<0.000530		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 19:49	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 19:22	1
Lithium	<0.00250		0.0100	0.00250	mg/L		09/03/24 09:30	09/04/24 19:22	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/04/24 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	<4.80		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	**23.2**	**J**	40.0	14.0	ug/L		09/16/24 07:03	09/17/24 06:43	1
TOX Result 1 (SW846 9020B)	**27.0**	**J**	40.0	14.0	ug/L		09/16/24 07:03	09/17/24 06:43	1
TOX Result 2 (SW846 9020B)	**19.4**	**J**	40.0	14.0	ug/L		09/16/24 07:03	09/17/24 06:43	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: Equip1
Date Collected: 08/27/24 07:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-26
Matrix: Groundwater

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Dup (SW846 9020B)	**23.2**	**J**	40.0	14.0	ug/L		09/16/24 07:03	09/17/24 06:43	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:11	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	<0.0100	H H3	0.0200	0.0100	mg/L			08/28/24 17:27	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: Equip2
Date Collected: 08/28/24 07:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-27
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 03:10	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 03:10	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 03:10	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 03:10	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 03:10	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 03:10	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 03:10	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 03:10	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 03:10	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 03:10	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 03:10	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 03:10	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 03:10	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 03:10	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 03:10	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 03:10	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 03:10	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 03:10	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 03:10	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 03:10	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 03:10	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 03:10	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 03:10	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 03:10	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 03:10	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 03:10	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 03:10	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 03:10	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 03:10	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 03:10	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 03:10	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 03:10	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 03:10	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 03:10	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 03:10	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 03:10	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 03:10	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 03:10	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 03:10	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 03:10	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 03:10	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 03:10	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 03:10	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 03:10	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 03:10	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 03:10	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 03:10	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 03:10	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 03:10	1

Client Sample ID: Equip2
Date Collected: 08/28/24 07:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-27
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 03:10	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 03:10	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/30/24 03:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/30/24 03:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/30/24 03:10*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.25		5.00	2.25	mg/L			09/05/24 15:56	5
Nitrate as N	<0.0780		0.200	0.0780	mg/L			08/29/24 21:40	1
Nitrite as N	<0.0430		0.200	0.0430	mg/L			08/29/24 21:40	1
Sulfate	<2.10		5.00	2.10	mg/L			09/05/24 15:56	5
Fluoride	<0.375		1.00	0.375	mg/L			09/05/24 15:56	5

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.375		1.00	0.375	mg/L			09/06/24 13:29	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 19:53	1
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 19:33	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 19:33	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 19:33	1
Boron	<0.0760		0.100	0.0760	mg/L		09/03/24 09:30	09/09/24 19:53	1
Iron	<0.0360		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 19:33	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 19:33	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 19:53	1
Magnesium	<0.150		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 19:33	1
Manganese	<0.00360		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 19:53	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 19:53	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 19:33	1
Strontium	<0.000530		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 19:53	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 19:33	1
Lithium	<0.00250		0.0100	0.00250	mg/L		09/03/24 09:30	09/04/24 19:33	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/04/24 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D LL)	5.12		5.00	4.80	mg/L			09/03/24 11:57	1
Halogens, Total Organic (SW846 9020B)	30.4	J	40.0	14.0	ug/L		09/16/24 10:47	09/17/24 06:18	1
TOX Result 1 (SW846 9020B)	42.9		40.0	14.0	ug/L		09/16/24 10:47	09/17/24 06:18	1
TOX Result 2 (SW846 9020B)	17.9	J	40.0	14.0	ug/L		09/16/24 10:47	09/17/24 06:18	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: Equip2
Date Collected: 08/28/24 07:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-27
Matrix: Groundwater

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Dup (SW846 9020B)	30.4	J	40.0	14.0	ug/L		09/16/24 10:47	09/17/24 06:18	1
Phenols, Total (SW846 9066)	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:10	1
Ammonia as N (EPA 350.1)	<0.100		0.200	0.100	mg/L			08/29/24 15:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI) (SW846 7196A)	<0.0100		0.0200	0.0100	mg/L			08/28/24 17:27	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: FBBlank1
Date Collected: 08/26/24 14:10
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-28
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 02:03	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 02:03	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 02:03	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 02:03	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 02:03	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 02:03	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 02:03	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 02:03	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 02:03	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 02:03	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 02:03	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 02:03	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 02:03	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 02:03	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 02:03	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 02:03	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 02:03	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 02:03	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 02:03	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 02:03	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 02:03	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 02:03	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 02:03	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 02:03	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 02:03	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 02:03	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 02:03	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 02:03	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 02:03	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 02:03	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 02:03	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 02:03	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 02:03	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 02:03	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 02:03	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 02:03	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 02:03	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 02:03	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 02:03	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 02:03	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 02:03	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 02:03	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 02:03	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 02:03	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 02:03	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 02:03	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 02:03	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 02:03	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 02:03	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: FBBlank1
Date Collected: 08/26/24 14:10
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-28
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 02:03	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 02:03	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*08/30/24 02:03*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/30/24 02:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/30/24 02:03*	*1*

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: FBBlank2
Date Collected: 08/27/24 09:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-29
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 02:25	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 02:25	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 02:25	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 02:25	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 02:25	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 02:25	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 02:25	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 02:25	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 02:25	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 02:25	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 02:25	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 02:25	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 02:25	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 02:25	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 02:25	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 02:25	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 02:25	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 02:25	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 02:25	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 02:25	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 02:25	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 02:25	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 02:25	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 02:25	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 02:25	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 02:25	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 02:25	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 02:25	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 02:25	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 02:25	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 02:25	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 02:25	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 02:25	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 02:25	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 02:25	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 02:25	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 02:25	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 02:25	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 02:25	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 02:25	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 02:25	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 02:25	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 02:25	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 02:25	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 02:25	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 02:25	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 02:25	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 02:25	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 02:25	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: FBBlank2
Date Collected: 08/27/24 09:40
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-29
Matrix: Groundwater

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 02:25	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 02:25	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/30/24 02:25*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/30/24 02:25*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/30/24 02:25*	*1*

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB1
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-30
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 00:32	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 00:32	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 00:32	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 00:32	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 00:32	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 00:32	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 00:32	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 00:32	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 00:32	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 00:32	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 00:32	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 00:32	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 00:32	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 00:32	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 00:32	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 00:32	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 00:32	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 00:32	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 00:32	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 00:32	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 00:32	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 00:32	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 00:32	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 00:32	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 00:32	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 00:32	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 00:32	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 00:32	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 00:32	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 00:32	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 00:32	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 00:32	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 00:32	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/03/24 12:15	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 00:32	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 00:32	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 00:32	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 00:32	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 00:32	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 00:32	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 00:32	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 00:32	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 00:32	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 00:32	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 00:32	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 00:32	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 00:32	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 00:32	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 00:32	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB1
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-30
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 00:32	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 00:32	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/30/24 00:32*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*09/03/24 12:15*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/30/24 00:32*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/03/24 12:15*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/30/24 00:32*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*09/03/24 12:15*	*1*

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB2
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-31
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 00:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 00:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 00:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 00:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 00:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 00:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 00:55	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 00:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 00:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 00:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 00:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 00:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 00:55	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 00:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 00:55	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 00:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 00:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 00:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 00:55	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 00:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 00:55	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 00:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 00:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 00:55	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 00:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 00:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 00:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 00:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 00:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 00:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 00:55	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 00:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 00:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 00:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 00:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 00:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 00:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 00:55	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 00:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 00:55	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 00:55	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 00:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 00:55	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 00:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 00:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 00:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 00:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 00:55	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 00:55	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB2
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-31
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 00:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 00:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/30/24 00:55*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/30/24 00:55*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/30/24 00:55*	*1*

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB3
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-32
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 01:17	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 01:17	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 01:17	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 01:17	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 01:17	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 01:17	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 01:17	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 01:17	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 01:17	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 01:17	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 01:17	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 01:17	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 01:17	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 01:17	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 01:17	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 01:17	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 01:17	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 01:17	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 01:17	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 01:17	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 01:17	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 01:17	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 01:17	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 01:17	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 01:17	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 01:17	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 01:17	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 01:17	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 01:17	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 01:17	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 01:17	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 01:17	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 01:17	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/03/24 12:37	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 01:17	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 01:17	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 01:17	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 01:17	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 01:17	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 01:17	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 01:17	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 01:17	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 01:17	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 01:17	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 01:17	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 01:17	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 01:17	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 01:17	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 01:17	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB3
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-32
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 01:17	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 01:17	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/30/24 01:17*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 130*		*09/03/24 12:37*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/30/24 01:17*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/03/24 12:37*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/30/24 01:17*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*09/03/24 12:37*	*1*

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB4
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-33
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 01:40	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 01:40	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 01:40	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 01:40	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 01:40	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 01:40	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 01:40	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 01:40	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 01:40	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 01:40	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 01:40	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 01:40	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 01:40	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 01:40	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 01:40	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 01:40	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 01:40	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 01:40	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 01:40	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 01:40	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 01:40	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 01:40	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 01:40	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 01:40	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 01:40	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 01:40	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 01:40	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 01:40	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 01:40	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 01:40	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 01:40	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 01:40	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 01:40	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 01:40	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 01:40	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 01:40	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 01:40	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 01:40	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 01:40	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 01:40	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 01:40	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 01:40	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 01:40	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 01:40	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 01:40	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 01:40	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 01:40	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 01:40	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 01:40	1

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Client Sample ID: TB4
Date Collected: 08/28/24 00:00
Date Received: 08/28/24 14:10

Lab Sample ID: 310-289219-33
Matrix: Trip Blank

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 01:40	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 01:40	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/30/24 01:40*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/30/24 01:40*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/30/24 01:40*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: WDC Acquisition LLC
Project/Site: 2024 Fall Wellman GW Sampling

Job ID: 310-289219-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Groundwater

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)
310-289219-1	MWA#	104	97	105
310-289219-2	MW7+	107	97	101
310-289219-2	MW7+	106	101	105
310-289219-3	MW8+	102	98	100
310-289219-3	MW8+	102	97	100
310-289219-4	MW11+#	106	99	105
310-289219-5	MW12+	104	97	99
310-289219-6	MW13+	106	96	100
310-289219-6 MS	MW13+	103	99	97
310-289219-6 MSD	MW13+	103	100	99
310-289219-7	MW16+	103	100	103
310-289219-8	MW17+	102	99	102
310-289219-9	MW20#	104	99	100
310-289219-9	MW20#	105	97	104
310-289219-11	MW35R#	103	98	104
310-289219-12	MW37#	98	97	105
310-289219-12	MW37#	99	98	104
310-289219-13	MW38R#	105	99	102
310-289219-14	MW39#	98	96	103
310-289219-14	MW39#	107	99	101
310-289219-15	MW41#	115	99	113
310-289219-15	MW41#	105	99	100
310-289219-16	MW42#	102	101	102
310-289219-16	MW42#	101	99	102
310-289219-17	MW43#	104	103	112
310-289219-17	MW43#	99	100	98
310-289219-18	MW44+#	103	100	101
310-289219-18	MW44+#	103	104	102
310-289219-19	MW45+#	106	99	103
310-289219-19	MW45+#	106	102	103
310-289219-20	MW46+#	104	100	105
310-289219-21	MW47+#	106	100	101
310-289219-22	MW48+#	104	99	96
310-289219-22 MS	MW48+#	102	103	104
310-289219-22 MSD	MW48+#	102	100	101
310-289219-23	MW49+#	110	96	100
310-289219-24	Dup1	108	97	95
310-289219-24	Dup1	110	96	101
310-289219-25	Dup2	103	96	97
310-289219-26	Equip1	107	95	100
310-289219-27	Equip2	106	97	102
310-289219-28	FBBlank1	105	97	99
310-289219-29	FBBlank2	106	95	99

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Trip Blank — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)
310-289219-30	TB1	103	97	103
310-289219-30	TB1	107	99	98
310-289219-31	TB2	103	98	106
310-289219-32	TB3	104	101	106
310-289219-32	TB3	107	97	95
310-289219-33	TB4	106	96	100

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Wastewater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)
310-289219-10	MW30#	101	99	99

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(73-130)	(80-120)	(80-120)
LCS 310-431757/6	Lab Control Sample	96	104	101
LCS 310-431757/7	Lab Control Sample	97	100	102
LCS 310-431785/6	Lab Control Sample	102	101	97
LCS 310-431785/7	Lab Control Sample	107	98	98
LCS 310-431797/6	Lab Control Sample	105	99	102
LCS 310-431797/7	Lab Control Sample	108	97	99
LCS 310-431870/6	Lab Control Sample	101	99	106
LCS 310-431870/7	Lab Control Sample	98	100	99
LCS 310-431910/6	Lab Control Sample	100	101	99
LCS 310-431910/7	Lab Control Sample	101	100	102
LCS 310-432023/6	Lab Control Sample	103	102	100
LCS 310-432023/7	Lab Control Sample	111	97	101
MB 310-431757/5	Method Blank	101	100	101
MB 310-431785/5	Method Blank	106	100	100
MB 310-431797/5	Method Blank	104	99	102
MB 310-431870/5	Method Blank	105	99	98
MB 310-431910/5	Method Blank	103	99	97
MB 310-432023/5	Method Blank	110	96	104

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

Surrogate Summary

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-431757/5
Matrix: Water
Analysis Batch: 431757

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 11:14	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 11:14	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 11:14	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 11:14	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 11:14	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 11:14	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 11:14	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 11:14	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 11:14	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 11:14	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 11:14	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 11:14	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 11:14	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 11:14	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 11:14	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 11:14	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 11:14	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 11:14	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 11:14	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 11:14	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 11:14	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 11:14	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 11:14	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 11:14	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 11:14	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 11:14	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 11:14	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 11:14	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 11:14	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 11:14	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 11:14	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 11:14	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 11:14	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/29/24 11:14	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 11:14	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 11:14	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 11:14	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 11:14	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 11:14	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 11:14	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 11:14	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 11:14	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 11:14	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 11:14	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 11:14	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 11:14	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 11:14	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 11:14	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431757/5
Matrix: Water
Analysis Batch: 431757

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 11:14	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 11:14	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 11:14	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*73 - 130*		*08/29/24 11:14*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/29/24 11:14*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/29/24 11:14*	*1*

Lab Sample ID: LCS 310-431757/6
Matrix: Water
Analysis Batch: 431757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.08		ug/L		95	71 - 120
1,1,1-Trichloroethane	20.0	20.45		ug/L		102	73 - 129
1,1,2,2-Tetrachloroethane	20.0	19.79		ug/L		99	68 - 124
1,1,2-Trichloroethane	20.0	20.73		ug/L		104	73 - 123
1,1-Dichloroethane	20.0	18.12		ug/L		91	70 - 127
1,1-Dichloroethene	20.0	18.81		ug/L		94	63 - 132
1,2,3-Trichloropropane	20.0	16.92		ug/L		85	65 - 127
1,2,4-Trimethylbenzene	20.0	21.22		ug/L		106	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	20.06		ug/L		100	50 - 150
1,2-Dibromoethane (EDB)	20.0	18.69		ug/L		93	75 - 125
1,2-Dichlorobenzene	20.0	20.32		ug/L		102	74 - 120
1,2-Dichloroethane	20.0	19.23		ug/L		96	71 - 125
1,2-Dichloropropane	20.0	18.88		ug/L		94	73 - 124
1,3,5-Trimethylbenzene	20.0	20.90		ug/L		105	73 - 123
1,4-Dichlorobenzene	20.0	20.15		ug/L		101	72 - 120
1,4-Dioxane	400	418.1		ug/L		105	68 - 142
2-Butanone (MEK)	40.0	35.06		ug/L		88	50 - 150
2-Hexanone	40.0	38.51		ug/L		96	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	37.39		ug/L		93	60 - 139
Acetone	40.0	37.78		ug/L		94	50 - 150
Acrylonitrile	200	193.9		ug/L		97	50 - 150
Benzene	20.0	18.93		ug/L		95	72 - 124
Bromochloromethane	20.0	19.82		ug/L		99	73 - 130
Bromodichloromethane	20.0	20.29		ug/L		101	74 - 122
Bromoform	20.0	16.13		ug/L		81	61 - 122
Carbon disulfide	20.0	19.57		ug/L		98	59 - 135
Carbon tetrachloride	20.0	19.60		ug/L		98	67 - 132
Chlorobenzene	20.0	20.57		ug/L		103	76 - 120
Chlorodibromomethane	20.0	19.31		ug/L		97	71 - 121
Chloroform	20.0	19.01		ug/L		95	72 - 125
cis-1,2-Dichloroethene	20.0	18.75		ug/L		94	74 - 123
cis-1,3-Dichloropropene	20.0	20.09		ug/L		100	71 - 125
Dibromomethane	20.0	18.91		ug/L		95	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-431757/6
Matrix: Water
Analysis Batch: 431757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	20.70		ug/L		103	74 - 122
Iodomethane	20.0	13.60		ug/L		68	10 - 150
Isopropylbenzene	20.0	21.09		ug/L		105	73 - 125
Methylene Chloride	20.0	21.06		ug/L		105	50 - 150
n-Butylbenzene	20.0	20.33		ug/L		102	67 - 131
Styrene	20.0	20.98		ug/L		105	74 - 121
Tetrachloroethene	20.0	19.49		ug/L		97	71 - 130
Toluene	20.0	19.74		ug/L		99	74 - 123
trans-1,2-Dichloroethene	20.0	18.65		ug/L		93	70 - 126
trans-1,3-Dichloropropene	20.0	19.41		ug/L		97	69 - 123
trans-1,4-Dichloro-2-butene	20.0	19.72		ug/L		99	50 - 150
Trichloroethene	20.0	18.43		ug/L		92	72 - 126
Vinyl acetate	40.0	37.16		ug/L		93	50 - 150
Xylenes, Total	40.0	41.24		ug/L		103	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*73 - 130*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: LCS 310-431757/7
Matrix: Water
Analysis Batch: 431757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	13.54		ug/L		68	23 - 150
Chloroethane	20.0	17.50		ug/L		87	54 - 136
Chloromethane	20.0	19.25		ug/L		96	38 - 150
Trichlorofluoromethane	20.0	18.84		ug/L		94	54 - 149
Vinyl chloride	20.0	19.40		ug/L		97	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*73 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 310-431785/5
Matrix: Water
Analysis Batch: 431785

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 12:32	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 12:32	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 12:32	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 12:32	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 12:32	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 12:32	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 12:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431785/5
Matrix: Water
Analysis Batch: 431785

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 12:32	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 12:32	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 12:32	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 12:32	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 12:32	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 12:32	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 12:32	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 12:32	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 12:32	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 12:32	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 12:32	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 12:32	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 12:32	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 12:32	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 12:32	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 12:32	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 12:32	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 12:32	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 12:32	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 12:32	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 12:32	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 12:32	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 12:32	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 12:32	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 12:32	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 12:32	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/29/24 12:32	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 12:32	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 12:32	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 12:32	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 12:32	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 12:32	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 12:32	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 12:32	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 12:32	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 12:32	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 12:32	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 12:32	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 12:32	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 12:32	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 12:32	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 12:32	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 12:32	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 12:32	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*73 - 130*		*08/29/24 12:32*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431785/5
Matrix: Water
Analysis Batch: 431785

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/29/24 12:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/29/24 12:32*	*1*

Lab Sample ID: LCS 310-431785/6
Matrix: Water
Analysis Batch: 431785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.68		ug/L		103	71 - 120
1,1,1-Trichloroethane	20.0	20.89		ug/L		104	73 - 129
1,1,2,2-Tetrachloroethane	20.0	20.46		ug/L		102	68 - 124
1,1,2-Trichloroethane	20.0	20.30		ug/L		102	73 - 123
1,1-Dichloroethane	20.0	19.74		ug/L		99	70 - 127
1,1-Dichloroethene	20.0	19.69		ug/L		98	63 - 132
1,2,3-Trichloropropane	20.0	20.86		ug/L		104	65 - 127
1,2,4-Trimethylbenzene	20.0	21.72		ug/L		109	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	18.41		ug/L		92	50 - 150
1,2-Dibromoethane (EDB)	20.0	19.88		ug/L		99	75 - 125
1,2-Dichlorobenzene	20.0	19.77		ug/L		99	74 - 120
1,2-Dichloroethane	20.0	19.85		ug/L		99	71 - 125
1,2-Dichloropropane	20.0	19.72		ug/L		99	73 - 124
1,3,5-Trimethylbenzene	20.0	21.26		ug/L		106	73 - 123
1,4-Dichlorobenzene	20.0	19.44		ug/L		97	72 - 120
1,4-Dioxane	400	453.4		ug/L		113	68 - 142
2-Butanone (MEK)	40.0	38.72		ug/L		97	50 - 150
2-Hexanone	40.0	40.37		ug/L		101	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	37.76		ug/L		94	60 - 139
Acetone	40.0	36.79		ug/L		92	50 - 150
Acrylonitrile	200	188.0		ug/L		94	50 - 150
Benzene	20.0	19.41		ug/L		97	72 - 124
Bromochloromethane	20.0	21.31		ug/L		107	73 - 130
Bromodichloromethane	20.0	20.45		ug/L		102	74 - 122
Bromoform	20.0	22.01		ug/L		110	61 - 122
Carbon disulfide	20.0	17.84		ug/L		89	59 - 135
Carbon tetrachloride	20.0	20.75		ug/L		104	67 - 132
Chlorobenzene	20.0	20.27		ug/L		101	76 - 120
Chlorodibromomethane	20.0	20.45		ug/L		102	71 - 121
Chloroform	20.0	19.91		ug/L		100	72 - 125
cis-1,2-Dichloroethene	20.0	19.48		ug/L		97	74 - 123
cis-1,3-Dichloropropene	20.0	20.47		ug/L		102	71 - 125
Dibromomethane	20.0	20.24		ug/L		101	74 - 125
Ethylbenzene	20.0	20.42		ug/L		102	74 - 122
Iodomethane	20.0	17.89		ug/L		89	10 - 150
Isopropylbenzene	20.0	21.54		ug/L		108	73 - 125
Methylene Chloride	20.0	19.58		ug/L		98	50 - 150
n-Butylbenzene	20.0	19.50		ug/L		98	67 - 131
Styrene	20.0	21.05		ug/L		105	74 - 121
Tetrachloroethene	20.0	21.19		ug/L		106	71 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-431785/6
Matrix: Water
Analysis Batch: 431785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene			20.0	20.33		ug/L		102	74 - 123		
trans-1,2-Dichloroethene			20.0	19.80		ug/L		99	70 - 126		
trans-1,3-Dichloropropene			20.0	19.37		ug/L		97	69 - 123		
trans-1,4-Dichloro-2-butene			20.0	19.73		ug/L		99	50 - 150		
Trichloroethene			20.0	20.80		ug/L		104	72 - 126		
Vinyl acetate			40.0	36.93		ug/L		92	50 - 150		
Xylenes, Total			40.0	41.17		ug/L		103	73 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*73 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: LCS 310-431785/7
Matrix: Water
Analysis Batch: 431785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	21.48		ug/L		107	23 - 150		
Chloroethane			20.0	19.04		ug/L		95	54 - 136		
Chloromethane			20.0	19.90		ug/L		99	38 - 150		
Trichlorofluoromethane			20.0	21.13		ug/L		106	54 - 149		
Vinyl chloride			20.0	20.12		ug/L		101	56 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*73 - 130*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 431785

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<0.380		25.0	22.98		ug/L		92	55 - 130		
1,1,1-Trichloroethane	<0.190		25.0	22.65		ug/L		91	52 - 130		
1,1,2,2-Tetrachloroethane	<0.470		25.0	24.40		ug/L		98	54 - 130		
1,1,2-Trichloroethane	<0.450		25.0	22.06		ug/L		88	58 - 130		
1,1-Dichloroethane	18.0		25.0	36.67		ug/L		75	49 - 130		
1,1-Dichloroethene	<0.560		25.0	20.50		ug/L		82	37 - 132		
1,2,3-Trichloropropane	<0.590		25.0	24.78		ug/L		99	49 - 130		
1,2,4-Trimethylbenzene	<0.420		25.0	22.70		ug/L		91	49 - 130		
1,2-Dibromo-3-Chloropropane	<1.20		25.0	23.46		ug/L		94	38 - 150		
1,2-Dibromoethane (EDB)	<0.340		25.0	22.38		ug/L		90	60 - 130		
1,2-Dichlorobenzene	<0.370		25.0	22.48		ug/L		90	59 - 130		
1,2-Dichloroethane	<0.390		25.0	22.28		ug/L		89	51 - 130		
1,2-Dichloropropane	<0.270		25.0	21.42		ug/L		86	57 - 130		
1,3,5-Trimethylbenzene	<0.370		25.0	21.72		ug/L		87	50 - 130		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 431785

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	<0.230		25.0	22.29		ug/L		89	57 - 130
1,4-Dioxane	<34.0		500	537.3		ug/L		107	53 - 142
2-Butanone (MEK)	<2.10		50.0	42.82		ug/L		86	38 - 150
2-Hexanone	<2.00		50.0	51.28		ug/L		103	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	48.13		ug/L		96	47 - 139
Acetone	<3.10		50.0	41.00		ug/L		82	31 - 150
Acrylonitrile	<2.20		250	221.8		ug/L		89	40 - 150
Benzene	0.721		25.0	21.64		ug/L		84	46 - 130
Bromochloromethane	<0.540		25.0	22.18		ug/L		89	57 - 130
Bromodichloromethane	<0.390		25.0	22.15		ug/L		89	57 - 130
Bromoform	<0.780		25.0	24.83		ug/L		99	44 - 130
Carbon disulfide	<0.450		25.0	22.92		ug/L		92	38 - 135
Carbon tetrachloride	<0.650		25.0	21.89		ug/L		88	45 - 132
Chlorobenzene	<0.400		25.0	21.19		ug/L		85	59 - 130
Chlorodibromomethane	<0.750		25.0	24.12		ug/L		96	54 - 130
Chloroform	<1.30		25.0	22.12		ug/L		88	51 - 130
cis-1,2-Dichloroethene	4.68		25.0	27.81		ug/L		93	45 - 130
cis-1,3-Dichloropropene	<0.250		25.0	21.42		ug/L		86	53 - 130
Dibromomethane	<0.330		25.0	22.55		ug/L		90	59 - 130
Ethylbenzene	<0.310		25.0	21.23		ug/L		85	45 - 130
Iodomethane	<7.00		25.0	22.21		ug/L		89	10 - 150
Isopropylbenzene	<0.350		25.0	22.00		ug/L		88	46 - 130
Methylene Chloride	<1.70		25.0	21.41		ug/L		86	37 - 150
n-Butylbenzene	<0.440		25.0	21.96		ug/L		88	45 - 131
Styrene	<0.370		25.0	22.38		ug/L		90	47 - 130
Tetrachloroethene	<0.480		25.0	26.56		ug/L		106	47 - 130
Toluene	<0.430		25.0	21.51		ug/L		86	51 - 130
trans-1,2-Dichloroethene	2.20		25.0	24.35		ug/L		89	48 - 130
trans-1,3-Dichloropropene	<0.560		25.0	21.14		ug/L		85	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	19.59		ug/L		78	26 - 150
Trichloroethene	<0.430		25.0	22.60		ug/L		90	51 - 130
Vinyl acetate	<2.50		50.0	41.23		ug/L		82	29 - 150
Xylenes, Total	<0.400		50.0	41.23		ug/L		82	43 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*73 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 431785

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		25.0	23.30		ug/L		93	55 - 130	1	20
1,1,1-Trichloroethane	<0.190		25.0	22.59		ug/L		90	52 - 130	0	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	24.23		ug/L		97	54 - 130	1	20
1,1,2-Trichloroethane	<0.450		25.0	21.75		ug/L		87	58 - 130	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 431785

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	18.0		25.0	36.04		ug/L		72	49 - 130	2	20
1,1-Dichloroethene	<0.560		25.0	21.75		ug/L		87	37 - 132	6	26
1,2,3-Trichloropropane	<0.590		25.0	24.92		ug/L		100	49 - 130	1	26
1,2,4-Trimethylbenzene	<0.420		25.0	23.15		ug/L		93	49 - 130	2	25
1,2-Dibromo-3-Chloropropane	<1.20		25.0	23.60		ug/L		94	38 - 150	1	20
1,2-Dibromoethane (EDB)	<0.340		25.0	21.55		ug/L		86	60 - 130	4	20
1,2-Dichlorobenzene	<0.370		25.0	23.27		ug/L		93	59 - 130	3	20
1,2-Dichloroethane	<0.390		25.0	21.80		ug/L		87	51 - 130	2	20
1,2-Dichloropropane	<0.270		25.0	21.34		ug/L		85	57 - 130	0	20
1,3,5-Trimethylbenzene	<0.370		25.0	22.12		ug/L		88	50 - 130	2	32
1,4-Dichlorobenzene	<0.230		25.0	21.72		ug/L		87	57 - 130	3	20
1,4-Dioxane	<34.0		500	528.3		ug/L		106	53 - 142	2	20
2-Butanone (MEK)	<2.10		50.0	39.12		ug/L		78	38 - 150	9	20
2-Hexanone	<2.00		50.0	51.16		ug/L		102	46 - 140	0	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	47.27		ug/L		95	47 - 139	2	20
Acetone	<3.10		50.0	42.10		ug/L		84	31 - 150	3	29
Acrylonitrile	<2.20		250	212.1		ug/L		85	40 - 150	4	20
Benzene	0.721		25.0	21.11		ug/L		82	46 - 130	2	20
Bromochloromethane	<0.540		25.0	22.21		ug/L		89	57 - 130	0	20
Bromodichloromethane	<0.390		25.0	21.94		ug/L		88	57 - 130	1	20
Bromoform	<0.780		25.0	25.57		ug/L		102	44 - 130	3	20
Carbon disulfide	<0.450		25.0	19.40		ug/L		78	38 - 135	17	30
Carbon tetrachloride	<0.650		25.0	22.15		ug/L		89	45 - 132	1	20
Chlorobenzene	<0.400		25.0	21.27		ug/L		85	59 - 130	0	20
Chlorodibromomethane	<0.750		25.0	24.16		ug/L		97	54 - 130	0	20
Chloroform	<1.30		25.0	20.61		ug/L		82	51 - 130	7	20
cis-1,2-Dichloroethene	4.68		25.0	25.90		ug/L		85	45 - 130	7	20
cis-1,3-Dichloropropene	<0.250		25.0	21.63		ug/L		87	53 - 130	1	20
Dibromomethane	<0.330		25.0	22.35		ug/L		89	59 - 130	1	20
Ethylbenzene	<0.310		25.0	21.11		ug/L		84	45 - 130	1	20
Iodomethane	<7.00		25.0	24.12		ug/L		96	10 - 150	8	35
Isopropylbenzene	<0.350		25.0	22.15		ug/L		89	46 - 130	1	20
Methylene Chloride	<1.70		25.0	21.10		ug/L		84	37 - 150	1	24
n-Butylbenzene	<0.440		25.0	23.13		ug/L		93	45 - 131	5	20
Styrene	<0.370		25.0	22.80		ug/L		91	47 - 130	2	20
Tetrachloroethene	<0.480		25.0	23.26		ug/L		93	47 - 130	13	20
Toluene	<0.430		25.0	21.07		ug/L		84	51 - 130	2	20
trans-1,2-Dichloroethene	2.20		25.0	23.31		ug/L		84	48 - 130	4	22
trans-1,3-Dichloropropene	<0.560		25.0	20.93		ug/L		84	50 - 130	1	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	21.34		ug/L		85	26 - 150	9	23
Trichloroethene	<0.430		25.0	21.91		ug/L		88	51 - 130	3	20
Vinyl acetate	<2.50		50.0	39.41		ug/L		79	29 - 150	4	23
Xylenes, Total	<0.400		50.0	41.97		ug/L		84	43 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*73 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431797/5
Matrix: Water
Analysis Batch: 431797

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/29/24 23:24	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/29/24 23:24	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/29/24 23:24	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/29/24 23:24	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/29/24 23:24	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/29/24 23:24	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/29/24 23:24	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/29/24 23:24	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/29/24 23:24	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/29/24 23:24	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/29/24 23:24	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/29/24 23:24	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/29/24 23:24	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/29/24 23:24	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/29/24 23:24	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/29/24 23:24	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/29/24 23:24	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/29/24 23:24	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/29/24 23:24	1
Acetone	<3.10		10.0	3.10	ug/L			08/29/24 23:24	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/29/24 23:24	1
Benzene	<0.220		0.500	0.220	ug/L			08/29/24 23:24	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/29/24 23:24	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/29/24 23:24	1
Bromoform	<0.780		5.00	0.780	ug/L			08/29/24 23:24	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/29/24 23:24	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/29/24 23:24	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/29/24 23:24	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/29/24 23:24	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/29/24 23:24	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/29/24 23:24	1
Chloroform	<1.30		3.00	1.30	ug/L			08/29/24 23:24	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/29/24 23:24	1
cis-1,2-Dichloroethene	0.4408	J	1.00	0.210	ug/L			08/29/24 23:24	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/29/24 23:24	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/29/24 23:24	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/29/24 23:24	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/29/24 23:24	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/29/24 23:24	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/29/24 23:24	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/29/24 23:24	1
Styrene	<0.370		1.00	0.370	ug/L			08/29/24 23:24	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/29/24 23:24	1
Toluene	<0.430		1.00	0.430	ug/L			08/29/24 23:24	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/29/24 23:24	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/29/24 23:24	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/29/24 23:24	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/29/24 23:24	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431797/5
Matrix: Water
Analysis Batch: 431797

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/29/24 23:24	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/29/24 23:24	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/29/24 23:24	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/29/24 23:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*73 - 130*		*08/29/24 23:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/29/24 23:24*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*08/29/24 23:24*	*1*

Lab Sample ID: LCS 310-431797/6
Matrix: Water
Analysis Batch: 431797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.26		ug/L		96	71 - 120
1,1,1-Trichloroethane	20.0	19.36		ug/L		97	73 - 129
1,1,2,2-Tetrachloroethane	20.0	18.55		ug/L		93	68 - 124
1,1,2-Trichloroethane	20.0	18.65		ug/L		93	73 - 123
1,1-Dichloroethane	20.0	18.74		ug/L		94	70 - 127
1,1-Dichloroethene	20.0	18.37		ug/L		92	63 - 132
1,2,3-Trichloropropane	20.0	20.00		ug/L		100	65 - 127
1,2,4-Trimethylbenzene	20.0	19.68		ug/L		98	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.67		ug/L		88	50 - 150
1,2-Dibromoethane (EDB)	20.0	18.33		ug/L		92	75 - 125
1,2-Dichlorobenzene	20.0	18.47		ug/L		92	74 - 120
1,2-Dichloroethane	20.0	18.36		ug/L		92	71 - 125
1,2-Dichloropropane	20.0	18.38		ug/L		92	73 - 124
1,3,5-Trimethylbenzene	20.0	18.58		ug/L		93	73 - 123
1,4-Dichlorobenzene	20.0	18.16		ug/L		91	72 - 120
1,4-Dioxane	400	399.9		ug/L		100	68 - 142
2-Butanone (MEK)	40.0	36.83		ug/L		92	50 - 150
2-Hexanone	40.0	38.49		ug/L		96	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	36.45		ug/L		91	60 - 139
Acetone	40.0	37.22		ug/L		93	50 - 150
Acrylonitrile	200	183.5		ug/L		92	50 - 150
Benzene	20.0	17.85		ug/L		89	72 - 124
Bromochloromethane	20.0	18.96		ug/L		95	73 - 130
Bromodichloromethane	20.0	18.04		ug/L		90	74 - 122
Bromoform	20.0	20.66		ug/L		103	61 - 122
Carbon disulfide	20.0	17.31		ug/L		87	59 - 135
Carbon tetrachloride	20.0	19.26		ug/L		96	67 - 132
Chlorobenzene	20.0	18.52		ug/L		93	76 - 120
Chlorodibromomethane	20.0	19.69		ug/L		98	71 - 121
Chloroform	20.0	17.69		ug/L		88	72 - 125
cis-1,2-Dichloroethene	20.0	18.92		ug/L		95	74 - 123
cis-1,3-Dichloropropene	20.0	18.58		ug/L		93	71 - 125
Dibromomethane	20.0	18.75		ug/L		94	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-431797/6
Matrix: Water
Analysis Batch: 431797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	18.42		ug/L		92	74 - 122
Iodomethane	20.0	17.93		ug/L		90	10 - 150
Isopropylbenzene	20.0	19.69		ug/L		98	73 - 125
Methylene Chloride	20.0	17.76		ug/L		89	50 - 150
n-Butylbenzene	20.0	18.28		ug/L		91	67 - 131
Styrene	20.0	18.84		ug/L		94	74 - 121
Tetrachloroethene	20.0	19.58		ug/L		98	71 - 130
Toluene	20.0	18.68		ug/L		93	74 - 123
trans-1,2-Dichloroethene	20.0	17.74		ug/L		89	70 - 126
trans-1,3-Dichloropropene	20.0	17.27		ug/L		86	69 - 123
trans-1,4-Dichloro-2-butene	20.0	16.67		ug/L		83	50 - 150
Trichloroethene	20.0	18.95		ug/L		95	72 - 126
Vinyl acetate	40.0	31.13		ug/L		78	50 - 150
Xylenes, Total	40.0	36.79		ug/L		92	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*73 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: LCS 310-431797/7
Matrix: Water
Analysis Batch: 431797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	20.88		ug/L		104	23 - 150
Chloroethane	20.0	19.49		ug/L		97	54 - 136
Chloromethane	20.0	19.62		ug/L		98	38 - 150
Trichlorofluoromethane	20.0	21.28		ug/L		106	54 - 149
Vinyl chloride	20.0	18.55		ug/L		93	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*108*		*73 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 431797

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.48		ug/L		86	55 - 130
1,1,1-Trichloroethane	<0.190		25.0	21.27		ug/L		85	52 - 130
1,1,2,2-Tetrachloroethane	<0.470		25.0	23.12		ug/L		92	54 - 130
1,1,2-Trichloroethane	<0.450		25.0	21.59		ug/L		86	58 - 130
1,1-Dichloroethane	<0.220		25.0	19.97		ug/L		80	49 - 130
1,1-Dichloroethene	<0.560		25.0	20.21		ug/L		81	37 - 132
1,2,3-Trichloropropane	<0.590		25.0	22.28		ug/L		89	49 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 431797

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	<0.420		25.0	22.71		ug/L		91	49 - 130
1,2-Dibromo-3-Chloropropane	<1.20		25.0	20.68		ug/L		83	38 - 150
1,2-Dibromoethane (EDB)	<0.340		25.0	21.41		ug/L		86	60 - 130
1,2-Dichlorobenzene	<0.370		25.0	22.52		ug/L		90	59 - 130
1,2-Dichloroethane	<0.390		25.0	22.03		ug/L		88	51 - 130
1,2-Dichloropropane	<0.270		25.0	20.67		ug/L		83	57 - 130
1,3,5-Trimethylbenzene	<0.370		25.0	21.56		ug/L		86	50 - 130
1,4-Dichlorobenzene	<0.230		25.0	21.83		ug/L		87	57 - 130
1,4-Dioxane	<34.0		500	495.1		ug/L		99	53 - 142
2-Butanone (MEK)	<2.10		50.0	37.97		ug/L		76	38 - 150
2-Hexanone	<2.00		50.0	43.77		ug/L		88	46 - 140
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	43.24		ug/L		86	47 - 139
Acetone	<3.10		50.0	38.92		ug/L		78	31 - 150
Acrylonitrile	<2.20		250	211.6		ug/L		85	40 - 150
Benzene	<0.220		25.0	20.06		ug/L		80	46 - 130
Bromochloromethane	<0.540		25.0	21.67		ug/L		87	57 - 130
Bromodichloromethane	<0.390		25.0	19.94		ug/L		80	57 - 130
Bromoform	<0.780		25.0	22.03		ug/L		88	44 - 130
Carbon disulfide	<0.450		25.0	20.50		ug/L		82	38 - 135
Carbon tetrachloride	<0.650		25.0	20.18		ug/L		81	45 - 132
Chlorobenzene	<0.400		25.0	21.43		ug/L		86	59 - 130
Chlorodibromomethane	<0.750		25.0	20.91		ug/L		84	54 - 130
Chloroform	<1.30		25.0	20.45		ug/L		82	51 - 130
cis-1,2-Dichloroethene	<0.210		25.0	20.60		ug/L		82	45 - 130
cis-1,3-Dichloropropene	<0.250		25.0	20.96		ug/L		84	53 - 130
Dibromomethane	<0.330		25.0	21.45		ug/L		86	59 - 130
Ethylbenzene	<0.310		25.0	21.76		ug/L		87	45 - 130
Iodomethane	<7.00		25.0	21.13		ug/L		85	10 - 150
Isopropylbenzene	<0.350		25.0	21.98		ug/L		88	46 - 130
Methylene Chloride	<1.70		25.0	20.70		ug/L		83	37 - 150
n-Butylbenzene	<0.440		25.0	22.62		ug/L		90	45 - 131
Styrene	<0.370		25.0	22.21		ug/L		89	47 - 130
Tetrachloroethene	<0.480		25.0	21.12		ug/L		84	47 - 130
Toluene	<0.430		25.0	20.93		ug/L		84	51 - 130
trans-1,2-Dichloroethene	<0.270		25.0	19.75		ug/L		79	48 - 130
trans-1,3-Dichloropropene	<0.560		25.0	19.91		ug/L		80	50 - 130
trans-1,4-Dichloro-2-butene	<1.10		25.0	16.81		ug/L		67	26 - 150
Trichloroethene	<0.430		25.0	21.50		ug/L		86	51 - 130
Vinyl acetate	<2.50		50.0	34.54		ug/L		69	29 - 150
Xylenes, Total	<0.400		50.0	42.85		ug/L		86	43 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*73 - 130*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 431797

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.380		25.0	21.27		ug/L		85	55 - 130	1	20
1,1,1-Trichloroethane	<0.190		25.0	21.40		ug/L		86	52 - 130	1	20
1,1,2,2-Tetrachloroethane	<0.470		25.0	22.59		ug/L		90	54 - 130	2	20
1,1,2-Trichloroethane	<0.450		25.0	20.15		ug/L		81	58 - 130	7	20
1,1-Dichloroethane	<0.220		25.0	20.00		ug/L		80	49 - 130	0	20
1,1-Dichloroethene	<0.560		25.0	19.76		ug/L		79	37 - 132	2	26
1,2,3-Trichloropropane	<0.590		25.0	23.09		ug/L		92	49 - 130	4	26
1,2,4-Trimethylbenzene	<0.420		25.0	22.20		ug/L		89	49 - 130	2	25
1,2-Dibromo-3-Chloropropane	<1.20		25.0	20.88		ug/L		84	38 - 150	1	20
1,2-Dibromoethane (EDB)	<0.340		25.0	21.83		ug/L		87	60 - 130	2	20
1,2-Dichlorobenzene	<0.370		25.0	21.92		ug/L		88	59 - 130	3	20
1,2-Dichloroethane	<0.390		25.0	20.90		ug/L		84	51 - 130	5	20
1,2-Dichloropropane	<0.270		25.0	20.70		ug/L		83	57 - 130	0	20
1,3,5-Trimethylbenzene	<0.370		25.0	21.20		ug/L		85	50 - 130	2	32
1,4-Dichlorobenzene	<0.230		25.0	21.10		ug/L		84	57 - 130	3	20
1,4-Dioxane	<34.0		500	442.9		ug/L		89	53 - 142	11	20
2-Butanone (MEK)	<2.10		50.0	39.32		ug/L		79	38 - 150	4	20
2-Hexanone	<2.00		50.0	45.20		ug/L		90	46 - 140	3	20
4-Methyl-2-pentanone (MIBK)	<2.10		50.0	43.93		ug/L		88	47 - 139	2	20
Acetone	<3.10		50.0	38.88		ug/L		78	31 - 150	0	29
Acrylonitrile	<2.20		250	208.7		ug/L		83	40 - 150	1	20
Benzene	<0.220		25.0	20.22		ug/L		81	46 - 130	1	20
Bromochloromethane	<0.540		25.0	21.30		ug/L		85	57 - 130	2	20
Bromodichloromethane	<0.390		25.0	20.53		ug/L		82	57 - 130	3	20
Bromoform	<0.780		25.0	23.96		ug/L		96	44 - 130	8	20
Carbon disulfide	<0.450		25.0	18.97		ug/L		76	38 - 135	8	30
Carbon tetrachloride	<0.650		25.0	19.93		ug/L		80	45 - 132	1	20
Chlorobenzene	<0.400		25.0	20.95		ug/L		84	59 - 130	2	20
Chlorodibromomethane	<0.750		25.0	21.38		ug/L		86	54 - 130	2	20
Chloroform	<1.30		25.0	20.33		ug/L		81	51 - 130	1	20
cis-1,2-Dichloroethene	<0.210		25.0	21.16		ug/L		85	45 - 130	3	20
cis-1,3-Dichloropropene	<0.250		25.0	20.23		ug/L		81	53 - 130	4	20
Dibromomethane	<0.330		25.0	21.34		ug/L		85	59 - 130	1	20
Ethylbenzene	<0.310		25.0	20.91		ug/L		84	45 - 130	4	20
Iodomethane	<7.00		25.0	21.79		ug/L		87	10 - 150	3	35
Isopropylbenzene	<0.350		25.0	21.89		ug/L		88	46 - 130	0	20
Methylene Chloride	<1.70		25.0	20.21		ug/L		81	37 - 150	2	24
n-Butylbenzene	<0.440		25.0	21.99		ug/L		88	45 - 131	3	20
Styrene	<0.370		25.0	21.49		ug/L		86	47 - 130	3	20
Tetrachloroethene	<0.480		25.0	21.90		ug/L		88	47 - 130	4	20
Toluene	<0.430		25.0	20.61		ug/L		82	51 - 130	2	20
trans-1,2-Dichloroethene	<0.270		25.0	20.40		ug/L		82	48 - 130	3	22
trans-1,3-Dichloropropene	<0.560		25.0	20.10		ug/L		80	50 - 130	1	20
trans-1,4-Dichloro-2-butene	<1.10		25.0	16.62		ug/L		66	26 - 150	1	23
Trichloroethene	<0.430		25.0	20.52		ug/L		82	51 - 130	5	20
Vinyl acetate	<2.50		50.0	31.80		ug/L		64	29 - 150	8	23
Xylenes, Total	<0.400		50.0	41.60		ug/L		83	43 - 130	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 431797

Client Sample ID: MW48+#
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*102*		*73 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 310-431870/5
Matrix: Water
Analysis Batch: 431870

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 10:21	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 10:21	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 10:21	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 10:21	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 10:21	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 10:21	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 10:21	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 10:21	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 10:21	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 10:21	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 10:21	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 10:21	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 10:21	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 10:21	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 10:21	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 10:21	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 10:21	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 10:21	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 10:21	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 10:21	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 10:21	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 10:21	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 10:21	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 10:21	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 10:21	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 10:21	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 10:21	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 10:21	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 10:21	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 10:21	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 10:21	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 10:21	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 10:21	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 10:21	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 10:21	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 10:21	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 10:21	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 10:21	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 10:21	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431870/5
Matrix: Water
Analysis Batch: 431870

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 10:21	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 10:21	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 10:21	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 10:21	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 10:21	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 10:21	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 10:21	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 10:21	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 10:21	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 10:21	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 10:21	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 10:21	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 10:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*73 - 130*		*08/30/24 10:21*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/30/24 10:21*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/30/24 10:21*	*1*

Lab Sample ID: LCS 310-431870/6
Matrix: Water
Analysis Batch: 431870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.29		ug/L		91	71 - 120
1,1,1-Trichloroethane	20.0	19.87		ug/L		99	73 - 129
1,1,2,2-Tetrachloroethane	20.0	17.38		ug/L		87	68 - 124
1,1,2-Trichloroethane	20.0	18.04		ug/L		90	73 - 123
1,1-Dichloroethane	20.0	18.16		ug/L		91	70 - 127
1,1-Dichloroethene	20.0	18.63		ug/L		93	63 - 132
1,2,3-Trichloropropane	20.0	18.56		ug/L		93	65 - 127
1,2,4-Trimethylbenzene	20.0	19.32		ug/L		97	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.73		ug/L		89	50 - 150
1,2-Dibromoethane (EDB)	20.0	18.25		ug/L		91	75 - 125
1,2-Dichlorobenzene	20.0	20.00		ug/L		100	74 - 120
1,2-Dichloroethane	20.0	19.01		ug/L		95	71 - 125
1,2-Dichloropropane	20.0	18.79		ug/L		94	73 - 124
1,3,5-Trimethylbenzene	20.0	18.94		ug/L		95	73 - 123
1,4-Dichlorobenzene	20.0	19.64		ug/L		98	72 - 120
1,4-Dioxane	400	389.7		ug/L		97	68 - 142
2-Butanone (MEK)	40.0	34.19		ug/L		85	50 - 150
2-Hexanone	40.0	36.88		ug/L		92	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	34.81		ug/L		87	60 - 139
Acetone	40.0	36.72		ug/L		92	50 - 150
Acrylonitrile	200	177.6		ug/L		89	50 - 150
Benzene	20.0	18.63		ug/L		93	72 - 124
Bromochloromethane	20.0	19.32		ug/L		97	73 - 130
Bromodichloromethane	20.0	18.19		ug/L		91	74 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-431870/6
Matrix: Water
Analysis Batch: 431870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform	20.0	18.73		ug/L		94	61 - 122
Carbon disulfide	20.0	18.23		ug/L		91	59 - 135
Carbon tetrachloride	20.0	19.67		ug/L		98	67 - 132
Chlorobenzene	20.0	18.26		ug/L		91	76 - 120
Chlorodibromomethane	20.0	18.24		ug/L		91	71 - 121
Chloroform	20.0	18.33		ug/L		92	72 - 125
cis-1,2-Dichloroethene	20.0	18.55		ug/L		93	74 - 123
cis-1,3-Dichloropropene	20.0	18.81		ug/L		94	71 - 125
Dibromomethane	20.0	18.78		ug/L		94	74 - 125
Ethylbenzene	20.0	18.16		ug/L		91	74 - 122
Iodomethane	20.0	19.31		ug/L		97	10 - 150
Isopropylbenzene	20.0	19.33		ug/L		97	73 - 125
Methylene Chloride	20.0	18.99		ug/L		95	50 - 150
n-Butylbenzene	20.0	20.58		ug/L		103	67 - 131
Styrene	20.0	18.55		ug/L		93	74 - 121
Tetrachloroethene	20.0	20.40		ug/L		102	71 - 130
Toluene	20.0	18.71		ug/L		94	74 - 123
trans-1,2-Dichloroethene	20.0	17.69		ug/L		88	70 - 126
trans-1,3-Dichloropropene	20.0	17.94		ug/L		90	69 - 123
trans-1,4-Dichloro-2-butene	20.0	16.25		ug/L		81	50 - 150
Trichloroethene	20.0	19.30		ug/L		97	72 - 126
Vinyl acetate	40.0	33.31		ug/L		83	50 - 150
Xylenes, Total	40.0	35.74		ug/L		89	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*73 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*

Lab Sample ID: LCS 310-431870/7
Matrix: Water
Analysis Batch: 431870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.77		ug/L		89	23 - 150
Chloroethane	20.0	16.54		ug/L		83	54 - 136
Chloromethane	20.0	16.19		ug/L		81	38 - 150
Trichlorofluoromethane	20.0	18.09		ug/L		90	54 - 149
Vinyl chloride	20.0	15.72		ug/L		79	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*73 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431910/5
Matrix: Water
Analysis Batch: 431910

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			08/30/24 11:55	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			08/30/24 11:55	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			08/30/24 11:55	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			08/30/24 11:55	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			08/30/24 11:55	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			08/30/24 11:55	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			08/30/24 11:55	1
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			08/30/24 11:55	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			08/30/24 11:55	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			08/30/24 11:55	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			08/30/24 11:55	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			08/30/24 11:55	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			08/30/24 11:55	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			08/30/24 11:55	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			08/30/24 11:55	1
1,4-Dioxane	<34.0		100	34.0	ug/L			08/30/24 11:55	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			08/30/24 11:55	1
2-Hexanone	<2.00		10.0	2.00	ug/L			08/30/24 11:55	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			08/30/24 11:55	1
Acetone	<3.10		10.0	3.10	ug/L			08/30/24 11:55	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			08/30/24 11:55	1
Benzene	<0.220		0.500	0.220	ug/L			08/30/24 11:55	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			08/30/24 11:55	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			08/30/24 11:55	1
Bromoform	<0.780		5.00	0.780	ug/L			08/30/24 11:55	1
Bromomethane	<1.10		4.00	1.10	ug/L			08/30/24 11:55	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			08/30/24 11:55	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			08/30/24 11:55	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			08/30/24 11:55	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			08/30/24 11:55	1
Chloroethane	<0.790		4.00	0.790	ug/L			08/30/24 11:55	1
Chloroform	<1.30		3.00	1.30	ug/L			08/30/24 11:55	1
Chloromethane	<0.610		3.00	0.610	ug/L			08/30/24 11:55	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			08/30/24 11:55	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			08/30/24 11:55	1
Dibromomethane	<0.330		1.00	0.330	ug/L			08/30/24 11:55	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			08/30/24 11:55	1
Iodomethane	<7.00		10.0	7.00	ug/L			08/30/24 11:55	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			08/30/24 11:55	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			08/30/24 11:55	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			08/30/24 11:55	1
Styrene	<0.370		1.00	0.370	ug/L			08/30/24 11:55	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			08/30/24 11:55	1
Toluene	<0.430		1.00	0.430	ug/L			08/30/24 11:55	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			08/30/24 11:55	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			08/30/24 11:55	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			08/30/24 11:55	1
Trichloroethene	<0.430		1.00	0.430	ug/L			08/30/24 11:55	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-431910/5
Matrix: Water
Analysis Batch: 431910

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			08/30/24 11:55	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			08/30/24 11:55	1
Vinyl chloride	<0.180		1.00	0.180	ug/L			08/30/24 11:55	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			08/30/24 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*73 - 130*		*08/30/24 11:55*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/30/24 11:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/30/24 11:55*	*1*

Lab Sample ID: LCS 310-431910/6
Matrix: Water
Analysis Batch: 431910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	17.22		ug/L		86	71 - 120
1,1,1-Trichloroethane	20.0	21.04		ug/L		105	73 - 129
1,1,2,2-Tetrachloroethane	20.0	18.27		ug/L		91	68 - 124
1,1,2-Trichloroethane	20.0	18.98		ug/L		95	73 - 123
1,1-Dichloroethane	20.0	19.75		ug/L		99	70 - 127
1,1-Dichloroethene	20.0	15.28		ug/L		76	63 - 132
1,2,3-Trichloropropane	20.0	15.25		ug/L		76	65 - 127
1,2,4-Trimethylbenzene	20.0	20.17		ug/L		101	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	19.20		ug/L		96	50 - 150
1,2-Dibromoethane (EDB)	20.0	17.58		ug/L		88	75 - 125
1,2-Dichlorobenzene	20.0	19.89		ug/L		99	74 - 120
1,2-Dichloroethane	20.0	19.02		ug/L		95	71 - 125
1,2-Dichloropropane	20.0	19.69		ug/L		98	73 - 124
1,3,5-Trimethylbenzene	20.0	20.95		ug/L		105	73 - 123
1,4-Dichlorobenzene	20.0	19.87		ug/L		99	72 - 120
1,4-Dioxane	400	420.2		ug/L		105	68 - 142
2-Butanone (MEK)	40.0	31.29		ug/L		78	50 - 150
2-Hexanone	40.0	34.44		ug/L		86	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	34.99		ug/L		87	60 - 139
Acetone	40.0	34.21		ug/L		86	50 - 150
Acrylonitrile	200	176.3		ug/L		88	50 - 150
Benzene	20.0	19.72		ug/L		99	72 - 124
Bromochloromethane	20.0	20.23		ug/L		101	73 - 130
Bromodichloromethane	20.0	19.89		ug/L		99	74 - 122
Bromoform	20.0	15.44		ug/L		77	61 - 122
Carbon disulfide	20.0	21.49		ug/L		107	59 - 135
Carbon tetrachloride	20.0	20.36		ug/L		102	67 - 132
Chlorobenzene	20.0	20.08		ug/L		100	76 - 120
Chlorodibromomethane	20.0	17.08		ug/L		85	71 - 121
Chloroform	20.0	20.29		ug/L		101	72 - 125
cis-1,2-Dichloroethene	20.0	18.48		ug/L		92	74 - 123
cis-1,3-Dichloropropene	20.0	19.31		ug/L		97	71 - 125
Dibromomethane	20.0	18.43		ug/L		92	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-431910/6
Matrix: Water
Analysis Batch: 431910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	20.57		ug/L		103	74 - 122
Iodomethane	20.0	15.47		ug/L		77	10 - 150
Isopropylbenzene	20.0	20.79		ug/L		104	73 - 125
Methylene Chloride	20.0	21.25		ug/L		106	50 - 150
n-Butylbenzene	20.0	20.76		ug/L		104	67 - 131
Styrene	20.0	20.43		ug/L		102	74 - 121
Tetrachloroethene	20.0	19.77		ug/L		99	71 - 130
Toluene	20.0	20.20		ug/L		101	74 - 123
trans-1,2-Dichloroethene	20.0	20.07		ug/L		100	70 - 126
trans-1,3-Dichloropropene	20.0	18.83		ug/L		94	69 - 123
trans-1,4-Dichloro-2-butene	20.0	16.97		ug/L		85	50 - 150
Trichloroethene	20.0	19.40		ug/L		97	72 - 126
Vinyl acetate	40.0	33.07		ug/L		83	50 - 150
Xylenes, Total	40.0	41.22		ug/L		103	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*73 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 310-431910/7
Matrix: Water
Analysis Batch: 431910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	13.33		ug/L		67	23 - 150
Chloroethane	20.0	20.17		ug/L		101	54 - 136
Chloromethane	20.0	20.67		ug/L		103	38 - 150
Trichlorofluoromethane	20.0	18.67		ug/L		93	54 - 149
Vinyl chloride	20.0	22.45		ug/L		112	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*73 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 310-432023/5
Matrix: Water
Analysis Batch: 432023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.380		1.00	0.380	ug/L			09/03/24 10:22	1
1,1,1-Trichloroethane	<0.190		1.00	0.190	ug/L			09/03/24 10:22	1
1,1,2,2-Tetrachloroethane	<0.470		1.00	0.470	ug/L			09/03/24 10:22	1
1,1,2-Trichloroethane	<0.450		1.00	0.450	ug/L			09/03/24 10:22	1
1,1-Dichloroethane	<0.220		1.00	0.220	ug/L			09/03/24 10:22	1
1,1-Dichloroethene	<0.560		2.00	0.560	ug/L			09/03/24 10:22	1
1,2,3-Trichloropropane	<0.590		1.00	0.590	ug/L			09/03/24 10:22	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-432023/5
Matrix: Water
Analysis Batch: 432023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	<0.420		1.00	0.420	ug/L			09/03/24 10:22	1
1,2-Dibromo-3-Chloropropane	<1.20		5.00	1.20	ug/L			09/03/24 10:22	1
1,2-Dibromoethane (EDB)	<0.340		1.00	0.340	ug/L			09/03/24 10:22	1
1,2-Dichlorobenzene	<0.370		1.00	0.370	ug/L			09/03/24 10:22	1
1,2-Dichloroethane	<0.390		1.00	0.390	ug/L			09/03/24 10:22	1
1,2-Dichloropropane	<0.270		1.00	0.270	ug/L			09/03/24 10:22	1
1,3,5-Trimethylbenzene	<0.370		1.00	0.370	ug/L			09/03/24 10:22	1
1,4-Dichlorobenzene	<0.230		1.00	0.230	ug/L			09/03/24 10:22	1
1,4-Dioxane	<34.0		100	34.0	ug/L			09/03/24 10:22	1
2-Butanone (MEK)	<2.10		10.0	2.10	ug/L			09/03/24 10:22	1
2-Hexanone	<2.00		10.0	2.00	ug/L			09/03/24 10:22	1
4-Methyl-2-pentanone (MIBK)	<2.10		10.0	2.10	ug/L			09/03/24 10:22	1
Acetone	<3.10		10.0	3.10	ug/L			09/03/24 10:22	1
Acrylonitrile	<2.20		5.00	2.20	ug/L			09/03/24 10:22	1
Benzene	<0.220		0.500	0.220	ug/L			09/03/24 10:22	1
Bromochloromethane	<0.540		5.00	0.540	ug/L			09/03/24 10:22	1
Bromodichloromethane	<0.390		1.00	0.390	ug/L			09/03/24 10:22	1
Bromoform	<0.780		5.00	0.780	ug/L			09/03/24 10:22	1
Bromomethane	<1.10		4.00	1.10	ug/L			09/03/24 10:22	1
Carbon disulfide	<0.450		1.00	0.450	ug/L			09/03/24 10:22	1
Carbon tetrachloride	<0.650		2.00	0.650	ug/L			09/03/24 10:22	1
Chlorobenzene	<0.400		1.00	0.400	ug/L			09/03/24 10:22	1
Chlorodibromomethane	<0.750		5.00	0.750	ug/L			09/03/24 10:22	1
Chloroethane	<0.790		4.00	0.790	ug/L			09/03/24 10:22	1
Chloroform	<1.30		3.00	1.30	ug/L			09/03/24 10:22	1
Chloromethane	<0.610		3.00	0.610	ug/L			09/03/24 10:22	1
cis-1,2-Dichloroethene	<0.210		1.00	0.210	ug/L			09/03/24 10:22	1
cis-1,3-Dichloropropene	<0.250		5.00	0.250	ug/L			09/03/24 10:22	1
Dibromomethane	<0.330		1.00	0.330	ug/L			09/03/24 10:22	1
Ethylbenzene	<0.310		1.00	0.310	ug/L			09/03/24 10:22	1
Iodomethane	<7.00		10.0	7.00	ug/L			09/03/24 10:22	1
Isopropylbenzene	<0.350		1.00	0.350	ug/L			09/03/24 10:22	1
Methylene Chloride	<1.70		5.00	1.70	ug/L			09/03/24 10:22	1
n-Butylbenzene	<0.440		1.00	0.440	ug/L			09/03/24 10:22	1
Styrene	<0.370		1.00	0.370	ug/L			09/03/24 10:22	1
Tetrachloroethene	<0.480		1.00	0.480	ug/L			09/03/24 10:22	1
Toluene	<0.430		1.00	0.430	ug/L			09/03/24 10:22	1
trans-1,2-Dichloroethene	<0.270		1.00	0.270	ug/L			09/03/24 10:22	1
trans-1,3-Dichloropropene	<0.560		5.00	0.560	ug/L			09/03/24 10:22	1
trans-1,4-Dichloro-2-butene	<1.10		10.0	1.10	ug/L			09/03/24 10:22	1
Trichloroethene	<0.430		1.00	0.430	ug/L			09/03/24 10:22	1
Trichlorofluoromethane	<0.380		4.00	0.380	ug/L			09/03/24 10:22	1
Vinyl acetate	<2.50		10.0	2.50	ug/L			09/03/24 10:22	1
Vinyl chloride	0.1898	J	1.00	0.180	ug/L			09/03/24 10:22	1
Xylenes, Total	<0.400		3.00	0.400	ug/L			09/03/24 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*73 - 130*		*09/03/24 10:22*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-432023/5
Matrix: Water
Analysis Batch: 432023

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		09/03/24 10:22	1
4-Bromofluorobenzene (Surr)	104		80 - 120		09/03/24 10:22	1

Lab Sample ID: LCS 310-432023/6
Matrix: Water
Analysis Batch: 432023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	21.87		ug/L		109	71 - 120
1,1,1-Trichloroethane	20.0	21.35		ug/L		107	73 - 129
1,1,2,2-Tetrachloroethane	20.0	19.90		ug/L		99	68 - 124
1,1,2-Trichloroethane	20.0	19.31		ug/L		97	73 - 123
1,1-Dichloroethane	20.0	18.06		ug/L		90	70 - 127
1,1-Dichloroethene	20.0	20.04		ug/L		100	63 - 132
1,2,3-Trichloropropane	20.0	19.94		ug/L		100	65 - 127
1,2,4-Trimethylbenzene	20.0	20.69		ug/L		103	73 - 124
1,2-Dibromo-3-Chloropropane	20.0	18.91		ug/L		95	50 - 150
1,2-Dibromoethane (EDB)	20.0	18.77		ug/L		94	75 - 125
1,2-Dichlorobenzene	20.0	20.20		ug/L		101	74 - 120
1,2-Dichloroethane	20.0	19.18		ug/L		96	71 - 125
1,2-Dichloropropane	20.0	19.29		ug/L		96	73 - 124
1,3,5-Trimethylbenzene	20.0	20.58		ug/L		103	73 - 123
1,4-Dichlorobenzene	20.0	19.85		ug/L		99	72 - 120
1,4-Dioxane	400	388.8		ug/L		97	68 - 142
2-Butanone (MEK)	40.0	33.10		ug/L		83	50 - 150
2-Hexanone	40.0	36.23		ug/L		91	60 - 140
4-Methyl-2-pentanone (MIBK)	40.0	33.71		ug/L		84	60 - 139
Acetone	40.0	32.27		ug/L		81	50 - 150
Acrylonitrile	200	181.0		ug/L		90	50 - 150
Benzene	20.0	18.71		ug/L		94	72 - 124
Bromochloromethane	20.0	20.11		ug/L		101	73 - 130
Bromodichloromethane	20.0	19.67		ug/L		98	74 - 122
Bromoform	20.0	24.58	*+	ug/L		123	61 - 122
Carbon disulfide	20.0	19.79		ug/L		99	59 - 135
Carbon tetrachloride	20.0	20.65		ug/L		103	67 - 132
Chlorobenzene	20.0	19.80		ug/L		99	76 - 120
Chlorodibromomethane	20.0	21.37		ug/L		107	71 - 121
Chloroform	20.0	19.37		ug/L		97	72 - 125
cis-1,2-Dichloroethene	20.0	19.36		ug/L		97	74 - 123
cis-1,3-Dichloropropene	20.0	20.23		ug/L		101	71 - 125
Dibromomethane	20.0	19.40		ug/L		97	74 - 125
Ethylbenzene	20.0	19.86		ug/L		99	74 - 122
Iodomethane	20.0	16.50		ug/L		82	10 - 150
Isopropylbenzene	20.0	20.84		ug/L		104	73 - 125
Methylene Chloride	20.0	19.89		ug/L		99	50 - 150
n-Butylbenzene	20.0	20.41		ug/L		102	67 - 131
Styrene	20.0	20.79		ug/L		104	74 - 121
Tetrachloroethene	20.0	21.19		ug/L		106	71 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-432023/6
Matrix: Water
Analysis Batch: 432023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	20.0	19.19		ug/L		96	74 - 123
trans-1,2-Dichloroethene	20.0	19.35		ug/L		97	70 - 126
trans-1,3-Dichloropropene	20.0	19.98		ug/L		100	69 - 123
trans-1,4-Dichloro-2-butene	20.0	19.80		ug/L		99	50 - 150
Trichloroethene	20.0	20.52		ug/L		103	72 - 126
Vinyl acetate	40.0	35.76		ug/L		89	50 - 150
Xylenes, Total	40.0	39.60		ug/L		99	73 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*73 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LCS 310-432023/7
Matrix: Water
Analysis Batch: 432023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	21.77		ug/L		109	23 - 150
Chloroethane	20.0	19.13		ug/L		96	54 - 136
Chloromethane	20.0	20.12		ug/L		101	38 - 150
Trichlorofluoromethane	20.0	23.21		ug/L		116	54 - 149
Vinyl chloride	20.0	19.90		ug/L		100	56 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*111*		*73 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-432029/3
Matrix: Water
Analysis Batch: 432029

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0780		0.200	0.0780	mg/L			08/29/24 18:06	1
Nitrite as N	<0.0430		0.200	0.0430	mg/L			08/29/24 18:06	1

Lab Sample ID: LCS 310-432029/4
Matrix: Water
Analysis Batch: 432029

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.00	1.990		mg/L		100	90 - 110
Nitrite as N	2.00	1.995		mg/L		100	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432029

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	<0.0780	H	1.00	0.1033	J H	mg/L		10	80 - 120		
Nitrite as N	0.367	H	1.00	0.5348	H	mg/L		17	80 - 120		

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 432029

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.0780	H	1.00	0.1036	J H	mg/L		10	80 - 120	0	15
Nitrite as N	0.367	H	1.00	0.5603	H	mg/L		19	80 - 120	5	15

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 432029

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	<0.0780	H	1.00	0.9367	H	mg/L		94	80 - 120		
Nitrite as N	<0.0430	H F1	1.00	0.7462	H F1	mg/L		75	80 - 120		

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 432029

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.0780	H	1.00	0.9504	H	mg/L		95	80 - 120	1	15
Nitrite as N	<0.0430	H F1	1.00	0.7401	H F1	mg/L		74	80 - 120	1	15

Lab Sample ID: MB 310-432166/3
Matrix: Water
Analysis Batch: 432166

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.450		1.00	0.450	mg/L			09/03/24 10:03	1
Sulfate	<0.420		1.00	0.420	mg/L			09/03/24 10:03	1
Fluoride	<0.0750		0.200	0.0750	mg/L			09/03/24 10:03	1

Lab Sample ID: LCS 310-432166/4
Matrix: Water
Analysis Batch: 432166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.331		mg/L		93	90 - 110
Sulfate	10.0	9.912		mg/L		99	90 - 110
Fluoride	2.00	1.984		mg/L		99	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 310-432210/3
Matrix: Water
Analysis Batch: 432210

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0750		0.200	0.0750	mg/L			09/03/24 14:29	1

Lab Sample ID: LCS 310-432210/4
Matrix: Water
Analysis Batch: 432210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.00	2.046		mg/L		102	90 - 110

Lab Sample ID: MB 310-432347/3
Matrix: Water
Analysis Batch: 432347

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.450		1.00	0.450	mg/L			09/04/24 09:38	1
Sulfate	<0.420		1.00	0.420	mg/L			09/04/24 09:38	1
Fluoride	<0.0750		0.200	0.0750	mg/L			09/04/24 09:38	1

Lab Sample ID: LCS 310-432347/4
Matrix: Water
Analysis Batch: 432347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.219		mg/L		92	90 - 110
Sulfate	10.0	9.463		mg/L		95	90 - 110
Fluoride	2.00	1.919		mg/L		96	90 - 110

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432347

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1260		250	1472	4	mg/L		83	80 - 120
Sulfate	1480		250	1689	4	mg/L		84	80 - 120
Fluoride	50.3		50.0	99.04		mg/L		98	80 - 120

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 432347

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1260		250	1461	4	mg/L		79	80 - 120	1	15
Sulfate	1480		250	1678	4	mg/L		80	80 - 120	1	15
Fluoride	50.3		50.0	98.96		mg/L		97	80 - 120	0	15

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 432347

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	269		25.0	288.8	4	mg/L		78	80 - 120
Sulfate	27.3		25.0	49.46		mg/L		89	80 - 120
Fluoride	<0.375		5.00	5.191		mg/L		104	80 - 120

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 432347

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	269		25.0	288.5	4	mg/L		76	80 - 120	0	15
Sulfate	27.3		25.0	48.13		mg/L		83	80 - 120	3	15
Fluoride	<0.375		5.00	5.335		mg/L		107	80 - 120	3	15

Lab Sample ID: MB 310-432477/3
Matrix: Water
Analysis Batch: 432477

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.450		1.00	0.450	mg/L			09/05/24 14:55	1
Sulfate	<0.420		1.00	0.420	mg/L			09/05/24 14:55	1
Fluoride	<0.0750		0.200	0.0750	mg/L			09/05/24 14:55	1

Lab Sample ID: LCS 310-432477/4
Matrix: Water
Analysis Batch: 432477

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.707		mg/L		97	90 - 110
Sulfate	10.0	10.19		mg/L		102	90 - 110
Fluoride	2.00	2.029		mg/L		101	90 - 110

Lab Sample ID: MB 310-432712/3
Matrix: Water
Analysis Batch: 432712

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0750		0.200	0.0750	mg/L			09/06/24 10:47	1

Lab Sample ID: LCS 310-432712/4
Matrix: Water
Analysis Batch: 432712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.00	2.028		mg/L		101	90 - 110

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432210

Client Sample ID: MW13+
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	51.1		50.0	100.0		mg/L		98	80 - 120

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 432210

Client Sample ID: MW13+
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	51.1		50.0	100.4		mg/L		99	80 - 120	0	15

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 432712

Client Sample ID: MW48+#
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.555	J	5.00	5.379		mg/L		96	80 - 120

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 432712

Client Sample ID: MW48+#
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.555	J	5.00	5.443		mg/L		98	80 - 120	1	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-431822/1-A
Matrix: Water
Analysis Batch: 432145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.0360		0.100	0.0360	mg/L		08/30/24 09:00	09/03/24 15:29	1

Lab Sample ID: LCS 310-431822/2-A
Matrix: Water
Analysis Batch: 432145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.200	0.1959		mg/L		98	80 - 120

Lab Sample ID: MB 310-431824/1-A
Matrix: Water
Analysis Batch: 432145

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431824

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		08/30/24 09:00	09/03/24 16:47	1
Lead	<0.000260		0.000500	0.000260	mg/L		08/30/24 09:00	09/03/24 16:47	1
Chromium	<0.00120		0.00500	0.00120	mg/L		08/30/24 09:00	09/03/24 16:47	1
Lithium	<0.00250		0.0100	0.00250	mg/L		08/30/24 09:00	09/03/24 16:47	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-431824/1-A
Matrix: Water
Analysis Batch: 432787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431824

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.000330		0.00100	0.000330	mg/L		08/30/24 09:00	09/10/24 16:30	1
Boron	<0.0760		0.100	0.0760	mg/L		08/30/24 09:00	09/10/24 16:30	1
Iron	0.05236	J	0.100	0.0360	mg/L		08/30/24 09:00	09/10/24 16:30	1
Chromium	<0.00120		0.00500	0.00120	mg/L		08/30/24 09:00	09/10/24 16:30	1

Lab Sample ID: MB 310-431824/1-A
Matrix: Water
Analysis Batch: 433063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431824

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000100		0.000200	0.000100	mg/L		08/30/24 09:00	09/12/24 15:59	1
Nickel	<0.00210		0.00500	0.00210	mg/L		08/30/24 09:00	09/12/24 15:59	1

Lab Sample ID: LCS 310-431824/2-A
Matrix: Water
Analysis Batch: 432145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.2031		mg/L		102	80 - 120
Lead	0.200	0.2156		mg/L		108	80 - 120
Chromium	0.100	0.1003		mg/L		100	80 - 120

Lab Sample ID: LCS 310-431824/2-A
Matrix: Water
Analysis Batch: 432787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.200	0.1931		mg/L		97	80 - 120
Chromium	0.100	0.1007		mg/L		101	80 - 120

Lab Sample ID: LCS 310-431824/2-A
Matrix: Water
Analysis Batch: 433063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.100	0.1010		mg/L		101	80 - 120
Nickel	0.200	0.2052		mg/L		103	80 - 120

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432145

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00784		0.200	0.2325		mg/L		112	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432787

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	2.27	B	0.200	2.667	4	mg/L		199	75 - 125
Beryllium	<0.00231		0.100	0.1099		mg/L		110	75 - 125
Cobalt	0.0179		0.100	0.1225		mg/L		105	75 - 125
Magnesium	530		2.00	579.9	4	mg/L		2488	75 - 125
Manganese	26.0		0.100	28.73	4	mg/L		2757	75 - 125
Strontium	0.704	F1	0.200	0.9763	F1	mg/L		136	75 - 125

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 433354

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	<0.0735		0.200	0.2154		mg/L		108	75 - 125

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 432145

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00784		0.200	0.2226		mg/L		107	75 - 125	4	20

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 432787

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	2.27	B	0.200	2.481	4	mg/L		106	75 - 125	7	20
Beryllium	<0.00231		0.100	0.1106		mg/L		111	75 - 125	1	20
Cobalt	0.0179		0.100	0.1144		mg/L		97	75 - 125	7	20
Magnesium	530		2.00	554.5	4	mg/L		1214	75 - 125	4	20
Manganese	26.0		0.100	27.24	4	mg/L		1266	75 - 125	5	20
Strontium	0.704	F1	0.200	0.9248		mg/L		111	75 - 125	5	20

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 433354

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 431824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	<0.0735		0.200	0.2051		mg/L		103	75 - 125	5	20

Lab Sample ID: MB 310-431954/1-A
Matrix: Water
Analysis Batch: 432273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.000530		0.00200	0.000530	mg/L		09/03/24 09:30	09/04/24 18:13	1
Beryllium	<0.000330		0.00100	0.000330	mg/L		09/03/24 09:30	09/04/24 18:13	1
Cobalt	<0.000170		0.000500	0.000170	mg/L		09/03/24 09:30	09/04/24 18:13	1
Iron	<0.0360		0.100	0.0360	mg/L		09/03/24 09:30	09/04/24 18:13	1
Lead	<0.000260		0.000500	0.000260	mg/L		09/03/24 09:30	09/04/24 18:13	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-431954/1-A
Matrix: Water
Analysis Batch: 432273

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.150		0.500	0.150	mg/L		09/03/24 09:30	09/04/24 18:13	1
Chromium	<0.00120		0.00500	0.00120	mg/L		09/03/24 09:30	09/04/24 18:13	1
Vanadium	<0.00110		0.00500	0.00110	mg/L		09/03/24 09:30	09/04/24 18:13	1

Lab Sample ID: MB 310-431954/1-A
Matrix: Water
Analysis Batch: 432667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.0210		0.0500	0.0210	mg/L		09/03/24 09:30	09/09/24 18:04	1
Cadmium	<0.000100		0.000200	0.000100	mg/L		09/03/24 09:30	09/09/24 18:04	1
Manganese	<0.00360		0.0100	0.00360	mg/L		09/03/24 09:30	09/09/24 18:04	1
Nickel	<0.00210		0.00500	0.00210	mg/L		09/03/24 09:30	09/09/24 18:04	1
Strontium	<0.000530		0.00100	0.000530	mg/L		09/03/24 09:30	09/09/24 18:04	1
Lithium	<0.00250		0.0100	0.00250	mg/L		09/03/24 09:30	09/09/24 18:04	1

Lab Sample ID: MB 310-431954/1-A
Matrix: Water
Analysis Batch: 432751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0760		0.100	0.0760	mg/L		09/03/24 09:30	09/10/24 14:03	1

Lab Sample ID: LCS 310-431954/2-A
Matrix: Water
Analysis Batch: 432273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.2139		mg/L		107	80 - 120
Beryllium	0.100	0.1014		mg/L		101	80 - 120
Cobalt	0.100	0.1021		mg/L		102	80 - 120
Iron	0.200	0.1853		mg/L		93	80 - 120
Lead	0.200	0.2215		mg/L		111	80 - 120
Magnesium	2.00	1.712		mg/L		86	80 - 120
Chromium	0.100	0.1051		mg/L		105	80 - 120
Vanadium	0.100	0.1026		mg/L		103	80 - 120

Lab Sample ID: LCS 310-431954/2-A
Matrix: Water
Analysis Batch: 432667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.200	0.2027		mg/L		101	80 - 120
Cadmium	0.100	0.09529		mg/L		95	80 - 120
Manganese	0.100	0.1066		mg/L		107	80 - 120
Nickel	0.200	0.1847		mg/L		92	80 - 120
Strontium	0.200	0.1949		mg/L		97	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 432273

Client Sample ID: MW48+#
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00120	J	0.200	0.2159		mg/L		107	75 - 125
Beryllium	<0.000330		0.100	0.1043		mg/L		104	75 - 125
Cobalt	0.00127		0.100	0.09938		mg/L		98	75 - 125
Iron	0.225		0.200	0.4307		mg/L		103	75 - 125
Lead	<0.000260		0.200	0.2151		mg/L		108	75 - 125
Magnesium	30.4		2.00	32.88	4	mg/L		123	75 - 125
Chromium	<0.00120		0.100	0.1035		mg/L		103	75 - 125
Vanadium	<0.00110		0.100	0.1029		mg/L		103	75 - 125

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 432667

Client Sample ID: MW48+#
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	<0.0210		0.200	0.2008		mg/L		100	75 - 125
Cadmium	<0.000100		0.100	0.09768		mg/L		98	75 - 125
Manganese	0.168		0.100	0.2833		mg/L		115	75 - 125
Nickel	0.00360	J	0.200	0.1909		mg/L		94	75 - 125
Strontium	0.518		0.200	0.7297		mg/L		106	75 - 125

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 432273

Client Sample ID: MW48+#
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00120	J	0.200	0.2154		mg/L		107	75 - 125	0	20
Beryllium	<0.000330		0.100	0.1027		mg/L		103	75 - 125	2	20
Cobalt	0.00127		0.100	0.09958		mg/L		98	75 - 125	0	20
Iron	0.225		0.200	0.4174		mg/L		96	75 - 125	3	20
Lead	<0.000260		0.200	0.2148		mg/L		107	75 - 125	0	20
Magnesium	30.4		2.00	32.16	4	mg/L		87	75 - 125	2	20
Chromium	<0.00120		0.100	0.1032		mg/L		103	75 - 125	0	20
Vanadium	<0.00110		0.100	0.1022		mg/L		102	75 - 125	1	20

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 432667

Client Sample ID: MW48+#
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	<0.0210		0.200	0.2051		mg/L		103	75 - 125	2	20
Cadmium	<0.000100		0.100	0.09941		mg/L		99	75 - 125	2	20
Manganese	0.168		0.100	0.2801		mg/L		112	75 - 125	1	20
Nickel	0.00360	J	0.200	0.1936		mg/L		95	75 - 125	1	20
Strontium	0.518		0.200	0.7325		mg/L		107	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-289219-10 DU
Matrix: Wastewater
Analysis Batch: 432273

Client Sample ID: MW30#
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	<0.000530			<0.000530		mg/L				NC	20
Beryllium	<0.000330			<0.000330		mg/L				NC	20
Cobalt	<0.000170			<0.000170		mg/L				NC	20
Iron	0.0383	J		0.03932	J	mg/L				3	20
Lead	<0.000260			<0.000260		mg/L				NC	20
Magnesium	40.0			39.67		mg/L				0.8	20
Chromium	<0.00120			<0.00120		mg/L				NC	20
Vanadium	<0.00110			<0.00110		mg/L				NC	20

Lab Sample ID: 310-289219-10 DU
Matrix: Wastewater
Analysis Batch: 432667

Client Sample ID: MW30#
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Aluminum	0.0210	J		0.02469	J	mg/L				16	20
Cadmium	<0.000100			<0.000100		mg/L				NC	20
Manganese	0.0102			0.01084		mg/L				6	20
Nickel	<0.00210			<0.00210		mg/L				NC	20
Strontium	0.633			0.6588		mg/L				4	20
Lithium	0.0477			0.04946		mg/L				4	20

Lab Sample ID: 310-289219-10 DU
Matrix: Wastewater
Analysis Batch: 432751

Client Sample ID: MW30#
Prep Type: Total/NA
Prep Batch: 431954

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Boron	2.49			2.533		mg/L				2	20

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432145

Client Sample ID: MW13+
Prep Type: Dissolved
Prep Batch: 431822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	6.76		0.200	6.533	4	mg/L		-114	75 - 125		

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 432145

Client Sample ID: MW13+
Prep Type: Dissolved
Prep Batch: 431822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	6.76		0.200	6.330	4	mg/L		-216	75 - 125	3	20

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 432273

Client Sample ID: MW48+#
Prep Type: Dissolved
Prep Batch: 431822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	0.102		0.200	0.3267		mg/L		112	75 - 125		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 432273

Client Sample ID: MW48+#
Prep Type: Dissolved
Prep Batch: 431822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.102		0.200	0.2957		mg/L		97	75 - 125	10	20

Lab Sample ID: 310-289219-2 DU
Matrix: Groundwater
Analysis Batch: 432145

Client Sample ID: MW7+
Prep Type: Dissolved
Prep Batch: 431822

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	<0.0360		<0.0360		mg/L		NC	20

Method: 5220D LL - COD

Lab Sample ID: MB 310-432069/32
Matrix: Water
Analysis Batch: 432069

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.80		5.00	4.80	mg/L			09/03/24 11:57	1

Lab Sample ID: MB 310-432069/5
Matrix: Water
Analysis Batch: 432069

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<4.80		5.00	4.80	mg/L			09/03/24 11:57	1

Lab Sample ID: LCS 310-432069/3
Matrix: Water
Analysis Batch: 432069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	125	122.7		mg/L		98	85 - 110

Lab Sample ID: LCS 310-432069/33
Matrix: Water
Analysis Batch: 432069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	125	122.0		mg/L		97	85 - 110

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432069

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	33.9		250	313.8		mg/L		112	83 - 146

Method: 5220D LL - COD (Continued)

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 432069

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	33.9		250	317.1		mg/L		113	83 - 146	1	18

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 432069

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	9.10		50.0	64.08		mg/L		110	83 - 146

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 432069

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	9.10		50.0	64.41		mg/L		111	83 - 146	1	18

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 310-431702/2-A
Matrix: Water
Analysis Batch: 431704

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	<0.0100		0.0200	0.0100	mg/L			08/28/24 17:21	1

Lab Sample ID: LCS 310-431702/1-A
Matrix: Water
Analysis Batch: 431704

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	0.401	0.3789		mg/L		95	90 - 110

Lab Sample ID: 310-289219-1 MS
Matrix: Groundwater
Analysis Batch: 431704

Client Sample ID: MWA#
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	0.0143	J F1	0.100	0.01703	J F1	mg/L		3	85 - 115

Lab Sample ID: 310-289219-1 MSD
Matrix: Groundwater
Analysis Batch: 431704

Client Sample ID: MWA#
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium (VI)	0.0143	J F1	0.100	0.01585	J F1	mg/L		2	85 - 115	7	35

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 431704

Client Sample ID: MW13+
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	<0.0100	H H3 F1 F2	0.100	0.08402	H H3 F1	mg/L		84	85 - 115

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 431704

Client Sample ID: MW13+
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium (VI)	<0.0100	H H3 F1 F2	0.100	0.03657	H H3 F1 F2	mg/L		37	85 - 115	79	35

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 431704

Client Sample ID: MW48+#
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (VI)	<0.0100	H H3	0.100	0.08844	H H3	mg/L		88	85 - 115

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 431704

Client Sample ID: MW48+#
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium (VI)	<0.0100	H H3	0.100	0.08655	H H3	mg/L		87	85 - 115	2	35

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 680-855784/1-A
Matrix: Water
Analysis Batch: 855809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 855784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<14.0		40.0	14.0	ug/L		09/12/24 08:52	09/12/24 11:46	1
TOX Result 1	<14.0		40.0	14.0	ug/L		09/12/24 08:52	09/12/24 11:46	1
TOX Result 2	<14.0		40.0	14.0	ug/L		09/12/24 08:52	09/12/24 11:46	1
TOX Dup	<14.0		40.0	14.0	ug/L		09/12/24 08:52	09/12/24 11:46	1

Lab Sample ID: LCS 680-855784/2-A
Matrix: Water
Analysis Batch: 855809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 855784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	400	367.2		ug/L		92	60 - 140
TOX Result 2	400	367.2		ug/L		92	60 - 140
TOX Dup	400	367.2		ug/L		92	60 - 140

Method: 9020B - Organic Halides, Total (TOX) (Continued)

Lab Sample ID: LCSD 680-855784/14-A
Matrix: Water
Analysis Batch: 855809

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 855784

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TOX Result 1			400	407.4		ug/L		102	60 - 140	10	40
TOX Result 2			400	407.4		ug/L		102	60 - 140	10	40
TOX Dup			400	407.4		ug/L		102	60 - 140	10	40

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 855809

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 855784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
TOX Result 1	267		400	818.5		ug/L		138	60 - 140		
TOX Result 2	252	F1	400	818.5	F1	ug/L		142	60 - 140		
TOX Dup	259		400	818.5		ug/L		140	60 - 140		

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 855809

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 855784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TOX Result 1	267		400	764.3		ug/L		124	60 - 140	7	40
TOX Result 2	252	F1	400	764.3		ug/L		128	60 - 140	7	40
TOX Dup	259		400	764.3		ug/L		126	60 - 140	7	40

Lab Sample ID: MB 680-855830/1-A
Matrix: Water
Analysis Batch: 855833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 855830

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<14.0		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 13:49	1
TOX Result 1	<14.0		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 13:49	1
TOX Result 2	<14.0		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 13:49	1
TOX Dup	<14.0		40.0	14.0	ug/L		09/12/24 10:12	09/12/24 13:49	1

Lab Sample ID: LCS 680-855830/2-A
Matrix: Water
Analysis Batch: 855833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 855830

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
TOX Result 1			400	370.4		ug/L		93	60 - 140		
TOX Result 2			400	370.4		ug/L		93	60 - 140		
TOX Dup			400	370.4		ug/L		93	60 - 140		

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 855833

Client Sample ID: MW48+#
Prep Type: Total/NA
Prep Batch: 855830

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
TOX Result 1	125		400	594.4		ug/L		117	60 - 140		
TOX Result 2	119		400	594.4		ug/L		119	60 - 140		
TOX Dup	122		400	594.4		ug/L		118	60 - 140		

Method: 9020B - Organic Halides, Total (TOX) (Continued)

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 855833

Client Sample ID: MW48+#
Prep Type: Total/NA
Prep Batch: 855830

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TOX Result 1	125		400	523.7		ug/L		100	60 - 140	13	40
TOX Result 2	119		400	523.7		ug/L		101	60 - 140	13	40
TOX Dup	122		400	523.7		ug/L		100	60 - 140	13	40

Lab Sample ID: MB 680-856053/1-A
Matrix: Water
Analysis Batch: 856066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 856053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<14.0		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 09:02	1
TOX Result 1	<14.0		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 09:02	1
TOX Result 2	<14.0		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 09:02	1
TOX Dup	<14.0		40.0	14.0	ug/L		09/15/24 07:22	09/15/24 09:02	1

Lab Sample ID: LCS 680-856053/2-A
Matrix: Water
Analysis Batch: 856066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 856053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	400	406.0		ug/L		102	60 - 140
TOX Result 2	400	406.0		ug/L		102	60 - 140
TOX Dup	400	406.0		ug/L		102	60 - 140

Lab Sample ID: 310-289219-2 MS
Matrix: Groundwater
Analysis Batch: 856066

Client Sample ID: MW7+
Prep Type: Total/NA
Prep Batch: 856053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	77.3		400	408.6		ug/L		83	60 - 140
TOX Result 2	75.7		400	408.6		ug/L		83	60 - 140
TOX Dup	76.5		400	408.6		ug/L		83	60 - 140

Lab Sample ID: 310-289219-2 MSD
Matrix: Groundwater
Analysis Batch: 856066

Client Sample ID: MW7+
Prep Type: Total/NA
Prep Batch: 856053

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TOX Result 1	77.3		400	426.7		ug/L		87	60 - 140	4	40
TOX Result 2	75.7		400	426.7		ug/L		88	60 - 140	4	40
TOX Dup	76.5		400	426.7		ug/L		88	60 - 140	4	40

Lab Sample ID: MB 680-856196/1-A
Matrix: Water
Analysis Batch: 856206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 856196

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<14.0		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 09:25	1
TOX Result 1	<14.0		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 09:25	1
TOX Result 2	<14.0		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 09:25	1
TOX Dup	<14.0		40.0	14.0	ug/L		09/16/24 07:03	09/16/24 09:25	1

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: LCS 680-856196/2-A
Matrix: Water
Analysis Batch: 856206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 856196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	400	418.8		ug/L		105	60 - 140
TOX Result 2	400	418.8		ug/L		105	60 - 140
TOX Dup	400	418.8		ug/L		105	60 - 140

Lab Sample ID: MB 680-856218/1-A
Matrix: Water
Analysis Batch: 856260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 856218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	<14.0		40.0	14.0	ug/L		09/16/24 10:47	09/16/24 12:27	1
TOX Result 1	<14.0		40.0	14.0	ug/L		09/16/24 10:47	09/16/24 12:27	1
TOX Result 2	<14.0		40.0	14.0	ug/L		09/16/24 10:47	09/16/24 12:27	1
TOX Dup	<14.0		40.0	14.0	ug/L		09/16/24 10:47	09/16/24 12:27	1

Lab Sample ID: LCS 680-856218/2-A
Matrix: Water
Analysis Batch: 856260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 856218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	400	425.2		ug/L		106	60 - 140
TOX Result 2	400	425.2		ug/L		106	60 - 140
TOX Dup	400	425.2		ug/L		106	60 - 140

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 310-432150/1-A
Matrix: Water
Analysis Batch: 432234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:28	09/04/24 17:06	1

Lab Sample ID: LCS 310-432150/2-A
Matrix: Water
Analysis Batch: 432234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.100	0.09732		mg/L		97	90 - 110

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 432234

Client Sample ID: MW13+
Prep Type: Total/NA
Prep Batch: 432150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	<0.0100		0.100	0.09771		mg/L		98	76 - 119

Method: 9066 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: 310-289219-6 MSD — **Client Sample ID: MW13+**
Matrix: Groundwater — **Prep Type: Total/NA**
Analysis Batch: 432234 — **Prep Batch: 432150**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total	<0.0100		0.100	0.09930		mg/L		99	76 - 119	2	16

Lab Sample ID: MB 310-432151/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 432234 — **Prep Batch: 432151**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	<0.0100		0.0200	0.0100	mg/L		09/04/24 08:29	09/04/24 17:17	1

Lab Sample ID: LCS 310-432151/6-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 432234 — **Prep Batch: 432151**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.100	0.1007		mg/L		101	90 - 110

Lab Sample ID: 310-289219-22 MS — **Client Sample ID: MW48+#**
Matrix: Groundwater — **Prep Type: Total/NA**
Analysis Batch: 432234 — **Prep Batch: 432151**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	<0.0100		0.100	0.1015		mg/L		102	76 - 119

Lab Sample ID: 310-289219-22 MSD — **Client Sample ID: MW48+#**
Matrix: Groundwater — **Prep Type: Total/NA**
Analysis Batch: 432234 — **Prep Batch: 432151**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total	<0.0100		0.100	0.1078		mg/L		108	76 - 119	6	16

Method: EPA 350.1 - Ammonia

Lab Sample ID: MB 310-431778/87 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 431778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.100		0.200	0.100	mg/L			08/29/24 15:05	1

Lab Sample ID: LCS 310-431778/88 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 431778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	8.55	8.624		mg/L		101	90 - 110

Method: EPA 350.1 - Ammonia (Continued)

Lab Sample ID: 310-289219-6 MS
Matrix: Groundwater
Analysis Batch: 431778

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N	6.72		1.00	7.153	4	mg/L		44	90 - 110		

Lab Sample ID: 310-289219-6 MSD
Matrix: Groundwater
Analysis Batch: 431778

Client Sample ID: MW13+
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	6.72		1.00	7.165	4	mg/L		45	90 - 110	0	13

Lab Sample ID: 310-289219-22 MS
Matrix: Groundwater
Analysis Batch: 431778

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N	<0.100	F1	1.00	0.8362	F1	mg/L		84	90 - 110		

Lab Sample ID: 310-289219-22 MSD
Matrix: Groundwater
Analysis Batch: 431778

Client Sample ID: MW48+#
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	<0.100	F1	1.00	0.8784	F1	mg/L		88	90 - 110	5	13

GC/MS VOA

Analysis Batch: 431757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-15	MW41#	Total/NA	Groundwater	8260D	
310-289219-16	MW42#	Total/NA	Groundwater	8260D	
310-289219-17	MW43#	Total/NA	Groundwater	8260D	
310-289219-18	MW44+#	Total/NA	Groundwater	8260D	
310-289219-19	MW45+#	Total/NA	Groundwater	8260D	
MB 310-431757/5	Method Blank	Total/NA	Water	8260D	
LCS 310-431757/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-431757/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 431785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Total/NA	Groundwater	8260D	
310-289219-2	MW7+	Total/NA	Groundwater	8260D	
310-289219-3	MW8+	Total/NA	Groundwater	8260D	
310-289219-4	MW11+#	Total/NA	Groundwater	8260D	
310-289219-5	MW12+	Total/NA	Groundwater	8260D	
310-289219-6	MW13+	Total/NA	Groundwater	8260D	
310-289219-7	MW16+	Total/NA	Groundwater	8260D	
310-289219-8	MW17+	Total/NA	Groundwater	8260D	
310-289219-9	MW20#	Total/NA	Groundwater	8260D	
310-289219-10	MW30#	Total/NA	Wastewater	8260D	
310-289219-11	MW35R#	Total/NA	Groundwater	8260D	
310-289219-12	MW37#	Total/NA	Groundwater	8260D	
310-289219-14	MW39#	Total/NA	Groundwater	8260D	
MB 310-431785/5	Method Blank	Total/NA	Water	8260D	
LCS 310-431785/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-431785/7	Lab Control Sample	Total/NA	Water	8260D	
310-289219-6 MS	MW13+	Total/NA	Groundwater	8260D	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	8260D	

Analysis Batch: 431797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-21	MW47+#	Total/NA	Groundwater	8260D	
310-289219-22	MW48+#	Total/NA	Groundwater	8260D	
310-289219-23	MW49+#	Total/NA	Groundwater	8260D	
310-289219-24	Dup1	Total/NA	Groundwater	8260D	
310-289219-25	Dup2	Total/NA	Groundwater	8260D	
310-289219-26	Equip1	Total/NA	Groundwater	8260D	
310-289219-27	Equip2	Total/NA	Groundwater	8260D	
310-289219-28	FBBlank1	Total/NA	Groundwater	8260D	
310-289219-29	FBBlank2	Total/NA	Groundwater	8260D	
310-289219-30	TB1	Total/NA	Trip Blank	8260D	
310-289219-31	TB2	Total/NA	Trip Blank	8260D	
310-289219-32	TB3	Total/NA	Trip Blank	8260D	
310-289219-33	TB4	Total/NA	Trip Blank	8260D	
MB 310-431797/5	Method Blank	Total/NA	Water	8260D	
LCS 310-431797/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-431797/7	Lab Control Sample	Total/NA	Water	8260D	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	8260D	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	8260D	

GC/MS VOA

Analysis Batch: 431870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	8260D	
310-289219-9	MW20#	Total/NA	Groundwater	8260D	
310-289219-12	MW37#	Total/NA	Groundwater	8260D	
310-289219-13	MW38R#	Total/NA	Groundwater	8260D	
310-289219-14	MW39#	Total/NA	Groundwater	8260D	
310-289219-20	MW46+#	Total/NA	Groundwater	8260D	
MB 310-431870/5	Method Blank	Total/NA	Water	8260D	
LCS 310-431870/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-431870/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 431910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-15	MW41#	Total/NA	Groundwater	8260D	
310-289219-16	MW42#	Total/NA	Groundwater	8260D	
310-289219-17	MW43#	Total/NA	Groundwater	8260D	
310-289219-18	MW44+#	Total/NA	Groundwater	8260D	
310-289219-19	MW45+#	Total/NA	Groundwater	8260D	
MB 310-431910/5	Method Blank	Total/NA	Water	8260D	
LCS 310-431910/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-431910/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 432023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-3	MW8+	Total/NA	Groundwater	8260D	
310-289219-24	Dup1	Total/NA	Groundwater	8260D	
310-289219-30	TB1	Total/NA	Trip Blank	8260D	
310-289219-32	TB3	Total/NA	Trip Blank	8260D	
MB 310-432023/5	Method Blank	Total/NA	Water	8260D	
LCS 310-432023/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-432023/7	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 432029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Total/NA	Groundwater	9056A	
310-289219-6	MW13+	Total/NA	Groundwater	9056A	
310-289219-13	MW38R#	Total/NA	Groundwater	9056A	
310-289219-22	MW48+#	Total/NA	Groundwater	9056A	
310-289219-24	Dup1	Total/NA	Groundwater	9056A	
310-289219-25	Dup2	Total/NA	Groundwater	9056A	
310-289219-26	Equip1	Total/NA	Groundwater	9056A	
310-289219-27	Equip2	Total/NA	Groundwater	9056A	
MB 310-432029/3	Method Blank	Total/NA	Water	9056A	
LCS 310-432029/4	Lab Control Sample	Total/NA	Water	9056A	
310-289219-6 MS	MW13+	Total/NA	Groundwater	9056A	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	9056A	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	9056A	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	9056A	

HPLC/IC

Analysis Batch: 432166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	9056A	
310-289219-2	MW7+	Total/NA	Groundwater	9056A	
310-289219-3	MW8+	Total/NA	Groundwater	9056A	
310-289219-4	MW11+#	Total/NA	Groundwater	9056A	
310-289219-5	MW12+	Total/NA	Groundwater	9056A	
310-289219-5	MW12+	Total/NA	Groundwater	9056A	
310-289219-7	MW16+	Total/NA	Groundwater	9056A	
310-289219-7	MW16+	Total/NA	Groundwater	9056A	
310-289219-8	MW17+	Total/NA	Groundwater	9056A	
310-289219-9	MW20#	Total/NA	Groundwater	9056A	
310-289219-9	MW20#	Total/NA	Groundwater	9056A	
MB 310-432166/3	Method Blank	Total/NA	Water	9056A	
LCS 310-432166/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 432210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Dissolved	Groundwater	9056A	
310-289219-2	MW7+	Dissolved	Groundwater	9056A	
310-289219-3	MW8+	Dissolved	Groundwater	9056A	
310-289219-4	MW11+#	Dissolved	Groundwater	9056A	
310-289219-5	MW12+	Dissolved	Groundwater	9056A	
310-289219-6	MW13+	Dissolved	Groundwater	9056A	
310-289219-7	MW16+	Dissolved	Groundwater	9056A	
310-289219-8	MW17+	Dissolved	Groundwater	9056A	
310-289219-9	MW20#	Dissolved	Groundwater	9056A	
310-289219-10	MW30#	Dissolved	Wastewater	9056A	
310-289219-11	MW35R#	Dissolved	Groundwater	9056A	
310-289219-12	MW37#	Dissolved	Groundwater	9056A	
310-289219-13	MW38R#	Dissolved	Groundwater	9056A	
310-289219-14	MW39#	Dissolved	Groundwater	9056A	
310-289219-15	MW41#	Dissolved	Groundwater	9056A	
310-289219-16	MW42#	Dissolved	Groundwater	9056A	
310-289219-17	MW43#	Dissolved	Groundwater	9056A	
310-289219-18	MW44+#	Dissolved	Groundwater	9056A	
MB 310-432210/3	Method Blank	Total/NA	Water	9056A	
LCS 310-432210/4	Lab Control Sample	Total/NA	Water	9056A	
310-289219-6 MS	MW13+	Dissolved	Groundwater	9056A	
310-289219-6 MSD	MW13+	Dissolved	Groundwater	9056A	

Analysis Batch: 432347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Total/NA	Groundwater	9056A	
310-289219-1	MWA#	Total/NA	Groundwater	9056A	
310-289219-6	MW13+	Total/NA	Groundwater	9056A	
310-289219-10	MW30#	Total/NA	Wastewater	9056A	
310-289219-11	MW35R#	Total/NA	Groundwater	9056A	
310-289219-11	MW35R#	Total/NA	Groundwater	9056A	
310-289219-12	MW37#	Total/NA	Groundwater	9056A	
310-289219-12	MW37#	Total/NA	Groundwater	9056A	
310-289219-13	MW38R#	Total/NA	Groundwater	9056A	
310-289219-14	MW39#	Total/NA	Groundwater	9056A	

HPLC/IC (Continued)

Analysis Batch: 432347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-14	MW39#	Total/NA	Groundwater	9056A	
310-289219-15	MW41#	Total/NA	Groundwater	9056A	
310-289219-15	MW41#	Total/NA	Groundwater	9056A	
310-289219-16	MW42#	Total/NA	Groundwater	9056A	
310-289219-17	MW43#	Total/NA	Groundwater	9056A	
310-289219-18	MW44+#	Total/NA	Groundwater	9056A	
310-289219-19	MW45+#	Total/NA	Groundwater	9056A	
310-289219-19	MW45+#	Total/NA	Groundwater	9056A	
310-289219-20	MW46+#	Total/NA	Groundwater	9056A	
310-289219-21	MW47+#	Total/NA	Groundwater	9056A	
310-289219-21	MW47+#	Total/NA	Groundwater	9056A	
310-289219-22	MW48+#	Total/NA	Groundwater	9056A	
310-289219-23	MW49+#	Total/NA	Groundwater	9056A	
310-289219-23	MW49+#	Total/NA	Groundwater	9056A	
MB 310-432347/3	Method Blank	Total/NA	Water	9056A	
LCS 310-432347/4	Lab Control Sample	Total/NA	Water	9056A	
310-289219-6 MS	MW13+	Total/NA	Groundwater	9056A	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	9056A	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	9056A	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	9056A	

Analysis Batch: 432477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-24	Dup1	Total/NA	Groundwater	9056A	
310-289219-25	Dup2	Total/NA	Groundwater	9056A	
310-289219-26	Equip1	Total/NA	Groundwater	9056A	
310-289219-27	Equip2	Total/NA	Groundwater	9056A	
MB 310-432477/3	Method Blank	Total/NA	Water	9056A	
LCS 310-432477/4	Lab Control Sample	Total/NA	Water	9056A	

Analysis Batch: 432712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-19	MW45+#	Dissolved	Groundwater	9056A	
310-289219-20	MW46+#	Dissolved	Groundwater	9056A	
310-289219-21	MW47+#	Dissolved	Groundwater	9056A	
310-289219-22	MW48+#	Dissolved	Groundwater	9056A	
310-289219-23	MW49+#	Dissolved	Groundwater	9056A	
310-289219-24	Dup1	Dissolved	Groundwater	9056A	
310-289219-25	Dup2	Dissolved	Groundwater	9056A	
310-289219-26	Equip1	Dissolved	Groundwater	9056A	
310-289219-27	Equip2	Dissolved	Groundwater	9056A	
MB 310-432712/3	Method Blank	Total/NA	Water	9056A	
LCS 310-432712/4	Lab Control Sample	Total/NA	Water	9056A	
310-289219-22 MS	MW48+#	Dissolved	Groundwater	9056A	
310-289219-22 MSD	MW48+#	Dissolved	Groundwater	9056A	

Metals

Prep Batch: 431822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Dissolved	Groundwater	3005A	

Metals (Continued)

Prep Batch: 431822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-3	MW8+	Dissolved	Groundwater	3005A	
310-289219-4	MW11+#	Dissolved	Groundwater	3005A	
310-289219-5	MW12+	Dissolved	Groundwater	3005A	
310-289219-6	MW13+	Dissolved	Groundwater	3005A	
310-289219-7	MW16+	Dissolved	Groundwater	3005A	
310-289219-8	MW17+	Dissolved	Groundwater	3005A	
310-289219-18	MW44+#	Dissolved	Groundwater	3005A	
310-289219-19	MW45+#	Dissolved	Groundwater	3005A	
310-289219-20	MW46+#	Dissolved	Groundwater	3005A	
310-289219-21	MW47+#	Dissolved	Groundwater	3005A	
310-289219-22	MW48+#	Dissolved	Groundwater	3005A	
310-289219-23	MW49+#	Dissolved	Groundwater	3005A	
310-289219-24	Dup1	Dissolved	Groundwater	3005A	
310-289219-25	Dup2	Dissolved	Groundwater	3005A	
310-289219-26	Equip1	Dissolved	Groundwater	3005A	
310-289219-27	Equip2	Dissolved	Groundwater	3005A	
MB 310-431822/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-431822/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-289219-6 MS	MW13+	Dissolved	Groundwater	3005A	
310-289219-6 MSD	MW13+	Dissolved	Groundwater	3005A	
310-289219-22 MS	MW48+#	Dissolved	Groundwater	3005A	
310-289219-22 MSD	MW48+#	Dissolved	Groundwater	3005A	
310-289219-2 DU	MW7+	Dissolved	Groundwater	3005A	

Prep Batch: 431824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Total/NA	Groundwater	3005A	
310-289219-2	MW7+	Total/NA	Groundwater	3005A	
310-289219-3	MW8+	Total/NA	Groundwater	3005A	
310-289219-4	MW11+#	Total/NA	Groundwater	3005A	
310-289219-5	MW12+	Total/NA	Groundwater	3005A	
310-289219-6	MW13+	Total/NA	Groundwater	3005A	
310-289219-7	MW16+	Total/NA	Groundwater	3005A	
310-289219-8	MW17+	Total/NA	Groundwater	3005A	
310-289219-9	MW20#	Total/NA	Groundwater	3005A	
MB 310-431824/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-431824/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-289219-6 MS	MW13+	Total/NA	Groundwater	3005A	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	3005A	

Prep Batch: 431954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-10	MW30#	Total/NA	Wastewater	3005A	
310-289219-11	MW35R#	Total/NA	Groundwater	3005A	
310-289219-12	MW37#	Total/NA	Groundwater	3005A	
310-289219-13	MW38R#	Total/NA	Groundwater	3005A	
310-289219-14	MW39#	Total/NA	Groundwater	3005A	
310-289219-15	MW41#	Total/NA	Groundwater	3005A	
310-289219-16	MW42#	Total/NA	Groundwater	3005A	
310-289219-17	MW43#	Total/NA	Groundwater	3005A	
310-289219-18	MW44+#	Total/NA	Groundwater	3005A	

Metals (Continued)

Prep Batch: 431954 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-19	MW45+#	Total/NA	Groundwater	3005A	
310-289219-20	MW46+#	Total/NA	Groundwater	3005A	
310-289219-21	MW47+#	Total/NA	Groundwater	3005A	
310-289219-22	MW48+#	Total/NA	Groundwater	3005A	
310-289219-23	MW49+#	Total/NA	Groundwater	3005A	
310-289219-24	Dup1	Total/NA	Groundwater	3005A	
310-289219-25	Dup2	Total/NA	Groundwater	3005A	
310-289219-26	Equip1	Total/NA	Groundwater	3005A	
310-289219-27	Equip2	Total/NA	Groundwater	3005A	
MB 310-431954/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-431954/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	3005A	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	3005A	
310-289219-10 DU	MW30#	Total/NA	Wastewater	3005A	

Analysis Batch: 432145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Total/NA	Groundwater	6020B	431824
310-289219-2	MW7+	Dissolved	Groundwater	6020B	431822
310-289219-2	MW7+	Total/NA	Groundwater	6020B	431824
310-289219-3	MW8+	Dissolved	Groundwater	6020B	431822
310-289219-3	MW8+	Total/NA	Groundwater	6020B	431824
310-289219-4	MW11+#	Dissolved	Groundwater	6020B	431822
310-289219-4	MW11+#	Total/NA	Groundwater	6020B	431824
310-289219-5	MW12+	Dissolved	Groundwater	6020B	431822
310-289219-5	MW12+	Total/NA	Groundwater	6020B	431824
310-289219-6	MW13+	Dissolved	Groundwater	6020B	431822
310-289219-6	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-7	MW16+	Dissolved	Groundwater	6020B	431822
310-289219-7	MW16+	Total/NA	Groundwater	6020B	431824
310-289219-8	MW17+	Dissolved	Groundwater	6020B	431822
310-289219-8	MW17+	Total/NA	Groundwater	6020B	431824
310-289219-9	MW20#	Total/NA	Groundwater	6020B	431824
310-289219-18	MW44+#	Dissolved	Groundwater	6020B	431822
310-289219-19	MW45+#	Dissolved	Groundwater	6020B	431822
310-289219-20	MW46+#	Dissolved	Groundwater	6020B	431822
310-289219-21	MW47+#	Dissolved	Groundwater	6020B	431822
310-289219-22	MW48+#	Dissolved	Groundwater	6020B	431822
MB 310-431822/1-A	Method Blank	Total/NA	Water	6020B	431822
MB 310-431824/1-A	Method Blank	Total/NA	Water	6020B	431824
LCS 310-431822/2-A	Lab Control Sample	Total/NA	Water	6020B	431822
LCS 310-431824/2-A	Lab Control Sample	Total/NA	Water	6020B	431824
310-289219-6 MS	MW13+	Dissolved	Groundwater	6020B	431822
310-289219-6 MS	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-6 MSD	MW13+	Dissolved	Groundwater	6020B	431822
310-289219-6 MSD	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-2 DU	MW7+	Dissolved	Groundwater	6020B	431822

Analysis Batch: 432273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-10	MW30#	Total/NA	Wastewater	6020B	431954

Metals (Continued)

Analysis Batch: 432273 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-11	MW35R#	Total/NA	Groundwater	6020B	431954
310-289219-12	MW37#	Total/NA	Groundwater	6020B	431954
310-289219-13	MW38R#	Total/NA	Groundwater	6020B	431954
310-289219-14	MW39#	Total/NA	Groundwater	6020B	431954
310-289219-15	MW41#	Total/NA	Groundwater	6020B	431954
310-289219-16	MW42#	Total/NA	Groundwater	6020B	431954
310-289219-17	MW43#	Total/NA	Groundwater	6020B	431954
310-289219-18	MW44+#	Total/NA	Groundwater	6020B	431954
310-289219-19	MW45+#	Total/NA	Groundwater	6020B	431954
310-289219-20	MW46+#	Total/NA	Groundwater	6020B	431954
310-289219-21	MW47+#	Total/NA	Groundwater	6020B	431954
310-289219-22	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-23	MW49+#	Dissolved	Groundwater	6020B	431822
310-289219-23	MW49+#	Total/NA	Groundwater	6020B	431954
310-289219-24	Dup1	Dissolved	Groundwater	6020B	431822
310-289219-24	Dup1	Total/NA	Groundwater	6020B	431954
310-289219-25	Dup2	Dissolved	Groundwater	6020B	431822
310-289219-25	Dup2	Total/NA	Groundwater	6020B	431954
310-289219-26	Equip1	Dissolved	Groundwater	6020B	431822
310-289219-26	Equip1	Total/NA	Groundwater	6020B	431954
310-289219-27	Equip2	Dissolved	Groundwater	6020B	431822
310-289219-27	Equip2	Total/NA	Groundwater	6020B	431954
MB 310-431954/1-A	Method Blank	Total/NA	Water	6020B	431954
LCS 310-431954/2-A	Lab Control Sample	Total/NA	Water	6020B	431954
310-289219-22 MS	MW48+#	Dissolved	Groundwater	6020B	431822
310-289219-22 MS	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-22 MSD	MW48+#	Dissolved	Groundwater	6020B	431822
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-10 DU	MW30#	Total/NA	Wastewater	6020B	431954

Analysis Batch: 432667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-11	MW35R#	Total/NA	Groundwater	6020B	431954
310-289219-16	MW42#	Total/NA	Groundwater	6020B	431954
310-289219-17	MW43#	Total/NA	Groundwater	6020B	431954
310-289219-18	MW44+#	Total/NA	Groundwater	6020B	431954
310-289219-19	MW45+#	Total/NA	Groundwater	6020B	431954
310-289219-20	MW46+#	Total/NA	Groundwater	6020B	431954
310-289219-21	MW47+#	Total/NA	Groundwater	6020B	431954
310-289219-22	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-23	MW49+#	Total/NA	Groundwater	6020B	431954
310-289219-24	Dup1	Total/NA	Groundwater	6020B	431954
310-289219-25	Dup2	Total/NA	Groundwater	6020B	431954
310-289219-26	Equip1	Total/NA	Groundwater	6020B	431954
310-289219-27	Equip2	Total/NA	Groundwater	6020B	431954
MB 310-431954/1-A	Method Blank	Total/NA	Water	6020B	431954
LCS 310-431954/2-A	Lab Control Sample	Total/NA	Water	6020B	431954
310-289219-22 MS	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-10 DU	MW30#	Total/NA	Wastewater	6020B	431954

Metals

Analysis Batch: 432751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-10	MW30#	Total/NA	Wastewater	6020B	431954
310-289219-11	MW35R#	Total/NA	Groundwater	6020B	431954
310-289219-12	MW37#	Total/NA	Groundwater	6020B	431954
310-289219-13	MW38R#	Total/NA	Groundwater	6020B	431954
310-289219-14	MW39#	Total/NA	Groundwater	6020B	431954
310-289219-15	MW41#	Total/NA	Groundwater	6020B	431954
310-289219-16	MW42#	Total/NA	Groundwater	6020B	431954
310-289219-18	MW44+#	Total/NA	Groundwater	6020B	431954
310-289219-19	MW45+#	Total/NA	Groundwater	6020B	431954
310-289219-20	MW46+#	Total/NA	Groundwater	6020B	431954
310-289219-21	MW47+#	Total/NA	Groundwater	6020B	431954
310-289219-22	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-23	MW49+#	Total/NA	Groundwater	6020B	431954
310-289219-24	Dup1	Total/NA	Groundwater	6020B	431954
MB 310-431954/1-A	Method Blank	Total/NA	Water	6020B	431954
LCS 310-431954/2-A	Lab Control Sample	Total/NA	Water	6020B	431954
310-289219-22 MS	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	6020B	431954
310-289219-10 DU	MW30#	Total/NA	Wastewater	6020B	431954

Analysis Batch: 432787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Total/NA	Groundwater	6020B	431824
310-289219-2	MW7+	Total/NA	Groundwater	6020B	431824
310-289219-3	MW8+	Total/NA	Groundwater	6020B	431824
310-289219-4	MW11+#	Total/NA	Groundwater	6020B	431824
310-289219-5	MW12+	Total/NA	Groundwater	6020B	431824
310-289219-6	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-7	MW16+	Total/NA	Groundwater	6020B	431824
310-289219-8	MW17+	Total/NA	Groundwater	6020B	431824
310-289219-9	MW20#	Total/NA	Groundwater	6020B	431824
MB 310-431824/1-A	Method Blank	Total/NA	Water	6020B	431824
LCS 310-431824/2-A	Lab Control Sample	Total/NA	Water	6020B	431824
310-289219-6 MS	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-6 MSD	MW13+	Total/NA	Groundwater	6020B	431824

Analysis Batch: 433063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	6020B	431824
310-289219-3	MW8+	Total/NA	Groundwater	6020B	431824
310-289219-4	MW11+#	Total/NA	Groundwater	6020B	431824
310-289219-5	MW12+	Total/NA	Groundwater	6020B	431824
310-289219-7	MW16+	Total/NA	Groundwater	6020B	431824
310-289219-8	MW17+	Total/NA	Groundwater	6020B	431824
MB 310-431824/1-A	Method Blank	Total/NA	Water	6020B	431824
LCS 310-431824/2-A	Lab Control Sample	Total/NA	Water	6020B	431824

Analysis Batch: 433162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Total/NA	Groundwater	6020B	431824
310-289219-4	MW11+#	Total/NA	Groundwater	6020B	431824

Metals (Continued)

Analysis Batch: 433162 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-5	MW12+	Total/NA	Groundwater	6020B	431824
310-289219-6	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-7	MW16+	Total/NA	Groundwater	6020B	431824
310-289219-8	MW17+	Total/NA	Groundwater	6020B	431824
310-289219-9	MW20#	Total/NA	Groundwater	6020B	431824
310-289219-6 MS	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-6 MSD	MW13+	Total/NA	Groundwater	6020B	431824

Analysis Batch: 433354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-6	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-6 MS	MW13+	Total/NA	Groundwater	6020B	431824
310-289219-6 MSD	MW13+	Total/NA	Groundwater	6020B	431824

General Chemistry

Filtration Batch: 431702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Dissolved	Groundwater	Filtration	
310-289219-6	MW13+	Dissolved	Groundwater	Filtration	
310-289219-11	MW35R#	Dissolved	Groundwater	Filtration	
310-289219-13	MW38R#	Dissolved	Groundwater	Filtration	
310-289219-22	MW48+#	Dissolved	Groundwater	Filtration	
310-289219-24	Dup1	Dissolved	Groundwater	Filtration	
310-289219-25	Dup2	Dissolved	Groundwater	Filtration	
310-289219-26	Equip1	Dissolved	Groundwater	Filtration	
310-289219-27	Equip2	Dissolved	Groundwater	Filtration	
MB 310-431702/2-A	Method Blank	Dissolved	Water	Filtration	
LCS 310-431702/1-A	Lab Control Sample	Dissolved	Water	Filtration	
310-289219-1 MS	MWA#	Dissolved	Groundwater	Filtration	
310-289219-1 MSD	MWA#	Dissolved	Groundwater	Filtration	
310-289219-6 MS	MW13+	Dissolved	Groundwater	Filtration	
310-289219-6 MSD	MW13+	Dissolved	Groundwater	Filtration	
310-289219-22 MS	MW48+#	Dissolved	Groundwater	Filtration	
310-289219-22 MSD	MW48+#	Dissolved	Groundwater	Filtration	

Analysis Batch: 431704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-1	MWA#	Dissolved	Groundwater	7196A	431702
310-289219-6	MW13+	Dissolved	Groundwater	7196A	431702
310-289219-11	MW35R#	Dissolved	Groundwater	7196A	431702
310-289219-13	MW38R#	Dissolved	Groundwater	7196A	431702
310-289219-22	MW48+#	Dissolved	Groundwater	7196A	431702
310-289219-24	Dup1	Dissolved	Groundwater	7196A	431702
310-289219-25	Dup2	Dissolved	Groundwater	7196A	431702
310-289219-26	Equip1	Dissolved	Groundwater	7196A	431702
310-289219-27	Equip2	Dissolved	Groundwater	7196A	431702
MB 310-431702/2-A	Method Blank	Dissolved	Water	7196A	431702
LCS 310-431702/1-A	Lab Control Sample	Dissolved	Water	7196A	431702
310-289219-1 MS	MWA#	Dissolved	Groundwater	7196A	431702
310-289219-1 MSD	MWA#	Dissolved	Groundwater	7196A	431702

General Chemistry (Continued)

Analysis Batch: 431704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-6 MS	MW13+	Dissolved	Groundwater	7196A	431702
310-289219-6 MSD	MW13+	Dissolved	Groundwater	7196A	431702
310-289219-22 MS	MW48+#	Dissolved	Groundwater	7196A	431702
310-289219-22 MSD	MW48+#	Dissolved	Groundwater	7196A	431702

Analysis Batch: 431778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	EPA 350.1	
310-289219-3	MW8+	Total/NA	Groundwater	EPA 350.1	
310-289219-4	MW11+#	Total/NA	Groundwater	EPA 350.1	
310-289219-5	MW12+	Total/NA	Groundwater	EPA 350.1	
310-289219-6	MW13+	Total/NA	Groundwater	EPA 350.1	
310-289219-7	MW16+	Total/NA	Groundwater	EPA 350.1	
310-289219-8	MW17+	Total/NA	Groundwater	EPA 350.1	
310-289219-18	MW44+#	Total/NA	Groundwater	EPA 350.1	
310-289219-19	MW45+#	Total/NA	Groundwater	EPA 350.1	
310-289219-20	MW46+#	Total/NA	Groundwater	EPA 350.1	
310-289219-21	MW47+#	Total/NA	Groundwater	EPA 350.1	
310-289219-22	MW48+#	Total/NA	Groundwater	EPA 350.1	
310-289219-23	MW49+#	Total/NA	Groundwater	EPA 350.1	
310-289219-24	Dup1	Total/NA	Groundwater	EPA 350.1	
310-289219-25	Dup2	Total/NA	Groundwater	EPA 350.1	
310-289219-26	Equip1	Total/NA	Groundwater	EPA 350.1	
310-289219-27	Equip2	Total/NA	Groundwater	EPA 350.1	
MB 310-431778/87	Method Blank	Total/NA	Water	EPA 350.1	
LCS 310-431778/88	Lab Control Sample	Total/NA	Water	EPA 350.1	
310-289219-6 MS	MW13+	Total/NA	Groundwater	EPA 350.1	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	EPA 350.1	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	EPA 350.1	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	EPA 350.1	

Analysis Batch: 432069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	5220D LL	
310-289219-3	MW8+	Total/NA	Groundwater	5220D LL	
310-289219-4	MW11+#	Total/NA	Groundwater	5220D LL	
310-289219-5	MW12+	Total/NA	Groundwater	5220D LL	
310-289219-6	MW13+	Total/NA	Groundwater	5220D LL	
310-289219-7	MW16+	Total/NA	Groundwater	5220D LL	
310-289219-8	MW17+	Total/NA	Groundwater	5220D LL	
310-289219-18	MW44+#	Total/NA	Groundwater	5220D LL	
310-289219-19	MW45+#	Total/NA	Groundwater	5220D LL	
310-289219-20	MW46+#	Total/NA	Groundwater	5220D LL	
310-289219-21	MW47+#	Total/NA	Groundwater	5220D LL	
310-289219-22	MW48+#	Total/NA	Groundwater	5220D LL	
310-289219-23	MW49+#	Total/NA	Groundwater	5220D LL	
310-289219-24	Dup1	Total/NA	Groundwater	5220D LL	
310-289219-25	Dup2	Total/NA	Groundwater	5220D LL	
310-289219-26	Equip1	Total/NA	Groundwater	5220D LL	
310-289219-27	Equip2	Total/NA	Groundwater	5220D LL	
MB 310-432069/32	Method Blank	Total/NA	Water	5220D LL	

General Chemistry (Continued)

Analysis Batch: 432069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-432069/5	Method Blank	Total/NA	Water	5220D LL	
LCS 310-432069/3	Lab Control Sample	Total/NA	Water	5220D LL	
LCS 310-432069/33	Lab Control Sample	Total/NA	Water	5220D LL	
310-289219-6 MS	MW13+	Total/NA	Groundwater	5220D LL	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	5220D LL	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	5220D LL	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	5220D LL	

Prep Batch: 432150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	Distill/Phenol	
310-289219-3	MW8+	Total/NA	Groundwater	Distill/Phenol	
310-289219-4	MW11+#	Total/NA	Groundwater	Distill/Phenol	
310-289219-5	MW12+	Total/NA	Groundwater	Distill/Phenol	
310-289219-6	MW13+	Total/NA	Groundwater	Distill/Phenol	
310-289219-7	MW16+	Total/NA	Groundwater	Distill/Phenol	
310-289219-8	MW17+	Total/NA	Groundwater	Distill/Phenol	
310-289219-18	MW44+#	Total/NA	Groundwater	Distill/Phenol	
310-289219-19	MW45+#	Total/NA	Groundwater	Distill/Phenol	
310-289219-20	MW46+#	Total/NA	Groundwater	Distill/Phenol	
310-289219-21	MW47+#	Total/NA	Groundwater	Distill/Phenol	
310-289219-23	MW49+#	Total/NA	Groundwater	Distill/Phenol	
310-289219-24	Dup1	Total/NA	Groundwater	Distill/Phenol	
310-289219-25	Dup2	Total/NA	Groundwater	Distill/Phenol	
310-289219-26	Equip1	Total/NA	Groundwater	Distill/Phenol	
310-289219-27	Equip2	Total/NA	Groundwater	Distill/Phenol	
MB 310-432150/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 310-432150/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
310-289219-6 MS	MW13+	Total/NA	Groundwater	Distill/Phenol	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	Distill/Phenol	

Prep Batch: 432151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-22	MW48+#	Total/NA	Groundwater	Distill/Phenol	
MB 310-432151/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 310-432151/6-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	Distill/Phenol	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	Distill/Phenol	

Analysis Batch: 432234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	9066	432150
310-289219-3	MW8+	Total/NA	Groundwater	9066	432150
310-289219-4	MW11+#	Total/NA	Groundwater	9066	432150
310-289219-5	MW12+	Total/NA	Groundwater	9066	432150
310-289219-6	MW13+	Total/NA	Groundwater	9066	432150
310-289219-7	MW16+	Total/NA	Groundwater	9066	432150
310-289219-8	MW17+	Total/NA	Groundwater	9066	432150
310-289219-18	MW44+#	Total/NA	Groundwater	9066	432150
310-289219-19	MW45+#	Total/NA	Groundwater	9066	432150
310-289219-20	MW46+#	Total/NA	Groundwater	9066	432150

General Chemistry (Continued)

Analysis Batch: 432234 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-21	MW47+#	Total/NA	Groundwater	9066	432150
310-289219-22	MW48+#	Total/NA	Groundwater	9066	432151
310-289219-23	MW49+#	Total/NA	Groundwater	9066	432150
310-289219-24	Dup1	Total/NA	Groundwater	9066	432150
310-289219-25	Dup2	Total/NA	Groundwater	9066	432150
310-289219-26	Equip1	Total/NA	Groundwater	9066	432150
310-289219-27	Equip2	Total/NA	Groundwater	9066	432150
MB 310-432150/1-A	Method Blank	Total/NA	Water	9066	432150
MB 310-432151/1-A	Method Blank	Total/NA	Water	9066	432151
LCS 310-432150/2-A	Lab Control Sample	Total/NA	Water	9066	432150
LCS 310-432151/6-A	Lab Control Sample	Total/NA	Water	9066	432151
310-289219-6 MS	MW13+	Total/NA	Groundwater	9066	432150
310-289219-6 MSD	MW13+	Total/NA	Groundwater	9066	432150
310-289219-22 MS	MW48+#	Total/NA	Groundwater	9066	432151
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	9066	432151

Prep Batch: 855784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-6	MW13+	Total/NA	Groundwater	Carbon Trap	
MB 680-855784/1-A	Method Blank	Total/NA	Water	Carbon Trap	
LCS 680-855784/2-A	Lab Control Sample	Total/NA	Water	Carbon Trap	
LCSD 680-855784/14-A	Lab Control Sample Dup	Total/NA	Water	Carbon Trap	
310-289219-6 MS	MW13+	Total/NA	Groundwater	Carbon Trap	
310-289219-6 MSD	MW13+	Total/NA	Groundwater	Carbon Trap	

Analysis Batch: 855809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-6	MW13+	Total/NA	Groundwater	9020B	855784
MB 680-855784/1-A	Method Blank	Total/NA	Water	9020B	855784
LCS 680-855784/2-A	Lab Control Sample	Total/NA	Water	9020B	855784
LCSD 680-855784/14-A	Lab Control Sample Dup	Total/NA	Water	9020B	855784
310-289219-6 MS	MW13+	Total/NA	Groundwater	9020B	855784
310-289219-6 MSD	MW13+	Total/NA	Groundwater	9020B	855784

Prep Batch: 855830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-22	MW48+#	Total/NA	Groundwater	Carbon Trap	
MB 680-855830/1-A	Method Blank	Total/NA	Water	Carbon Trap	
LCS 680-855830/2-A	Lab Control Sample	Total/NA	Water	Carbon Trap	
310-289219-22 MS	MW48+#	Total/NA	Groundwater	Carbon Trap	
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	Carbon Trap	

Analysis Batch: 855833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-22	MW48+#	Total/NA	Groundwater	9020B	855830
MB 680-855830/1-A	Method Blank	Total/NA	Water	9020B	855830
LCS 680-855830/2-A	Lab Control Sample	Total/NA	Water	9020B	855830
310-289219-22 MS	MW48+#	Total/NA	Groundwater	9020B	855830
310-289219-22 MSD	MW48+#	Total/NA	Groundwater	9020B	855830

General Chemistry

Prep Batch: 856053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	Carbon Trap	
310-289219-3	MW8+	Total/NA	Groundwater	Carbon Trap	
310-289219-4	MW11+#	Total/NA	Groundwater	Carbon Trap	
310-289219-5	MW12+	Total/NA	Groundwater	Carbon Trap	
310-289219-7	MW16+	Total/NA	Groundwater	Carbon Trap	
310-289219-8	MW17+	Total/NA	Groundwater	Carbon Trap	
310-289219-18	MW44+#	Total/NA	Groundwater	Carbon Trap	
MB 680-856053/1-A	Method Blank	Total/NA	Water	Carbon Trap	
LCS 680-856053/2-A	Lab Control Sample	Total/NA	Water	Carbon Trap	
310-289219-2 MS	MW7+	Total/NA	Groundwater	Carbon Trap	
310-289219-2 MSD	MW7+	Total/NA	Groundwater	Carbon Trap	

Analysis Batch: 856066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-2	MW7+	Total/NA	Groundwater	9020B	856053
310-289219-3	MW8+	Total/NA	Groundwater	9020B	856053
310-289219-4	MW11+#	Total/NA	Groundwater	9020B	856053
310-289219-5	MW12+	Total/NA	Groundwater	9020B	856053
310-289219-7	MW16+	Total/NA	Groundwater	9020B	856053
310-289219-8	MW17+	Total/NA	Groundwater	9020B	856053
310-289219-18	MW44+#	Total/NA	Groundwater	9020B	856053
MB 680-856053/1-A	Method Blank	Total/NA	Water	9020B	856053
LCS 680-856053/2-A	Lab Control Sample	Total/NA	Water	9020B	856053
310-289219-2 MS	MW7+	Total/NA	Groundwater	9020B	856053
310-289219-2 MSD	MW7+	Total/NA	Groundwater	9020B	856053

Prep Batch: 856196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-19	MW45+#	Total/NA	Groundwater	Carbon Trap	
310-289219-20	MW46+#	Total/NA	Groundwater	Carbon Trap	
310-289219-21	MW47+#	Total/NA	Groundwater	Carbon Trap	
310-289219-23	MW49+#	Total/NA	Groundwater	Carbon Trap	
310-289219-24	Dup1	Total/NA	Groundwater	Carbon Trap	
310-289219-25	Dup2	Total/NA	Groundwater	Carbon Trap	
310-289219-26	Equip1	Total/NA	Groundwater	Carbon Trap	
MB 680-856196/1-A	Method Blank	Total/NA	Water	Carbon Trap	
LCS 680-856196/2-A	Lab Control Sample	Total/NA	Water	Carbon Trap	

Analysis Batch: 856206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-19	MW45+#	Total/NA	Groundwater	9020B	856196
310-289219-20	MW46+#	Total/NA	Groundwater	9020B	856196
310-289219-21	MW47+#	Total/NA	Groundwater	9020B	856196
310-289219-23	MW49+#	Total/NA	Groundwater	9020B	856196
310-289219-24	Dup1	Total/NA	Groundwater	9020B	856196
310-289219-25	Dup2	Total/NA	Groundwater	9020B	856196
310-289219-26	Equip1	Total/NA	Groundwater	9020B	856196
MB 680-856196/1-A	Method Blank	Total/NA	Water	9020B	856196
LCS 680-856196/2-A	Lab Control Sample	Total/NA	Water	9020B	856196

QC Association Summary

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

General Chemistry

Prep Batch: 856218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-27	Equip2	Total/NA	Groundwater	Carbon Trap	
MB 680-856218/1-A	Method Blank	Total/NA	Water	Carbon Trap	
LCS 680-856218/2-A	Lab Control Sample	Total/NA	Water	Carbon Trap	

Analysis Batch: 856260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-289219-27	Equip2	Total/NA	Groundwater	9020B	856218
MB 680-856218/1-A	Method Blank	Total/NA	Water	9020B	856218
LCS 680-856218/2-A	Lab Control Sample	Total/NA	Water	9020B	856218

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Client Sample ID: MWA#

Lab Sample ID: 310-289219-1

Date Collected: 08/28/24 08:35

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 15:55
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 14:52
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 18:31
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 10:34
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 09:16
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 17:39
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432787	NFT2	EET CF	09/10/24 17:08
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	433162	ZRI4	EET CF	09/13/24 13:42
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:21

Client Sample ID: MW7+

Lab Sample ID: 310-289219-2

Date Collected: 08/26/24 12:40

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 16:17
Total/NA	Analysis	8260D		1	431870	WSE8	EET CF	08/30/24 11:52
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 15:04
Total/NA	Analysis	9056A		5	432166	QTZ5	EET CF	09/03/24 13:43
Total/NA	Analysis	9056A		50	432166	QTZ5	EET CF	09/03/24 16:02
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 15:34
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 17:41
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432787	NFT2	EET CF	09/10/24 17:11
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	433063	ZRI4	EET CF	09/12/24 16:48
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856053	CLJ	EET SAV	09/15/24 07:22
Total/NA	Analysis	9020B		1	856066	CLJ	EET SAV	09/15/24 10:19
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:14
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:07

Client Sample ID: MW8+
Lab Sample ID: 310-289219-3

Date Collected: 08/26/24 11:50
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 16:40
Total/NA	Analysis	8260D		1	432023	WSE8	EET CF	09/03/24 13:00
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 15:41
Total/NA	Analysis	9056A		5	432166	QTZ5	EET CF	09/03/24 13:56
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 15:38
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 17:43
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432787	NFT2	EET CF	09/10/24 17:13
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	433063	ZRI4	EET CF	09/12/24 16:51
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856053	CLJ	EET SAV	09/15/24 07:22
Total/NA	Analysis	9020B		1	856066	CLJ	EET SAV	09/15/24 11:51
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:13
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:08

Client Sample ID: MW11+#
Lab Sample ID: 310-289219-4

Date Collected: 08/26/24 14:05
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 17:02
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 15:53
Total/NA	Analysis	9056A		5	432166	QTZ5	EET CF	09/03/24 14:08
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 15:40
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 17:45
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432787	NFT2	EET CF	09/10/24 17:24
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	433063	ZRI4	EET CF	09/12/24 16:53
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	433162	ZRI4	EET CF	09/13/24 13:44
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856053	CLJ	EET SAV	09/15/24 07:22
Total/NA	Analysis	9020B		1	856066	CLJ	EET SAV	09/15/24 12:38
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:13
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:08

Client Sample ID: MW12+

Lab Sample ID: 310-289219-5

Date Collected: 08/27/24 08:25

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 17:25
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 16:05
Total/NA	Analysis	9056A		5	432166	QTZ5	EET CF	09/03/24 14:21
Total/NA	Analysis	9056A		50	432166	QTZ5	EET CF	09/03/24 16:14
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 15:43
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 17:48
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		4	432787	NFT2	EET CF	09/10/24 17:26
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		4	433063	ZRI4	EET CF	09/12/24 16:55
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		4	433162	ZRI4	EET CF	09/13/24 13:46
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856053	CLJ	EET SAV	09/15/24 07:22
Total/NA	Analysis	9020B		1	856066	CLJ	EET SAV	09/15/24 13:27
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:12
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:10

Client Sample ID: MW13+

Lab Sample ID: 310-289219-6

Date Collected: 08/26/24 16:15

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 17:48
Dissolved	Analysis	9056A		50	432210	QTZ5	EET CF	09/04/24 09:18
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 18:44
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 09:29
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 15:45
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		35	433354	NFT2	EET CF	09/16/24 15:28
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 17:50
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		7	432787	NFT2	EET CF	09/10/24 17:29
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		35	433162	ZRI4	EET CF	09/13/24 13:49
Total/NA	Analysis	5220D LL		5	432069	ENB7	EET CF	09/03/24 11:57
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:25

Client Sample ID: MW13+
Lab Sample ID: 310-289219-6

Date Collected: 08/26/24 16:15
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	Carbon Trap			855784	CLJ	EET SAV	09/12/24 08:52
Total/NA	Analysis	9020B		1	855809	CLJ	EET SAV	09/13/24 06:29
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:06
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:10

Client Sample ID: MW16+
Lab Sample ID: 310-289219-7

Date Collected: 08/27/24 09:20
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 18:10
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 16:53
Total/NA	Analysis	9056A		5	432166	QTZ5	EET CF	09/03/24 14:33
Total/NA	Analysis	9056A		50	432166	QTZ5	EET CF	09/03/24 16:29
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 16:05
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 18:05
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		4	432787	NFT2	EET CF	09/10/24 17:35
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		20	433063	ZRI4	EET CF	09/12/24 17:04
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		20	433162	ZRI4	EET CF	09/13/24 14:04
Total/NA	Analysis	5220D LL		5	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856053	CLJ	EET SAV	09/15/24 07:22
Total/NA	Analysis	9020B		1	856066	CLJ	EET SAV	09/15/24 16:00
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:08
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:13

Client Sample ID: MW17+
Lab Sample ID: 310-289219-8

Date Collected: 08/27/24 10:05
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 18:33
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 17:05
Total/NA	Analysis	9056A		5	432166	QTZ5	EET CF	09/03/24 15:11
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 16:07
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 18:07

Client Sample ID: MW17+
Lab Sample ID: 310-289219-8

Date Collected: 08/27/24 10:05
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		4	432787	NFT2	EET CF	09/10/24 17:37
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		20	433063	ZRI4	EET CF	09/12/24 17:06
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		20	433162	ZRI4	EET CF	09/13/24 14:06
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856053	CLJ	EET SAV	09/15/24 07:22
Total/NA	Analysis	9020B		1	856066	CLJ	EET SAV	09/15/24 17:12
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:15
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:15

Client Sample ID: MW20#
Lab Sample ID: 310-289219-9

Date Collected: 08/27/24 11:15
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 18:55
Total/NA	Analysis	8260D		10	431870	WSE8	EET CF	08/30/24 17:07
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 17:17
Total/NA	Analysis	9056A		5	432166	QTZ5	EET CF	09/03/24 15:24
Total/NA	Analysis	9056A		50	432166	QTZ5	EET CF	09/03/24 16:41
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 18:10
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		1	432787	NFT2	EET CF	09/10/24 17:39
Total/NA	Prep	3005A			431824	QTZ5	EET CF	08/30/24 09:00
Total/NA	Analysis	6020B		10	433162	ZRI4	EET CF	09/13/24 14:09

Client Sample ID: MW30#
Lab Sample ID: 310-289219-10

Date Collected: 08/27/24 11:00
Matrix: Wastewater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 19:18
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 17:29
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 11:24
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:18
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:07

Lab Chronicle

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Client Sample ID: MW35R#
Lab Sample ID: 310-289219-11
Date Collected: 08/28/24 09:25
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 19:40
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 18:06
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 11:37
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 10:06
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 18:18
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:31
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:11
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:22

Client Sample ID: MW37#
Lab Sample ID: 310-289219-12
Date Collected: 08/27/24 11:55
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 20:03
Total/NA	Analysis	8260D		10	431870	WSE8	EET CF	08/30/24 17:29
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 18:18
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 11:49
Total/NA	Analysis	9056A		500	432347	QTZ5	EET CF	09/05/24 10:19
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:33
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:14

Client Sample ID: MW38R#
Lab Sample ID: 310-289219-13
Date Collected: 08/28/24 08:30
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431870	WSE8	EET CF	08/30/24 12:59
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 18:30
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 19:21
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 12:02
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:35
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:16
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:23

Client Sample ID: MW39#
Lab Sample ID: 310-289219-14

Date Collected: 08/27/24 13:35
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431785	WSE8	EET CF	08/29/24 20:48
Total/NA	Analysis	8260D		10	431870	WSE8	EET CF	08/30/24 17:51
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 18:42
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 12:40
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 10:31
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:38
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:18

Client Sample ID: MW41#
Lab Sample ID: 310-289219-15

Date Collected: 08/27/24 13:20
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431757	FE5V	EET CF	08/29/24 16:08
Total/NA	Analysis	8260D		10	431910	FE5V	EET CF	08/30/24 19:26
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 18:54
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 12:52
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 10:44
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:40
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		4	432751	NFT2	EET CF	09/10/24 14:29

Client Sample ID: MW42#
Lab Sample ID: 310-289219-16

Date Collected: 08/26/24 12:10
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431757	FE5V	EET CF	08/29/24 16:31
Total/NA	Analysis	8260D		1	431910	FE5V	EET CF	08/30/24 14:33
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 19:06
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 13:05
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 18:36
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:42
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:32

Client Sample ID: MW43#
Lab Sample ID: 310-289219-17

Date Collected: 08/26/24 12:35
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431757	FE5V	EET CF	08/29/24 16:54
Total/NA	Analysis	8260D		1	431910	FE5V	EET CF	08/30/24 14:56
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 19:18
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 13:18
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 18:55
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:44

Client Sample ID: MW44+#
Lab Sample ID: 310-289219-18

Date Collected: 08/26/24 13:20
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431757	FE5V	EET CF	08/29/24 17:16
Total/NA	Analysis	8260D		1	431910	FE5V	EET CF	08/30/24 15:18
Dissolved	Analysis	9056A		5	432210	QTZ5	EET CF	09/03/24 19:30
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 13:30
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 16:09
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 18:58
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:47
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:36
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856053	CLJ	EET SAV	09/15/24 07:22
Total/NA	Analysis	9020B		1	856066	CLJ	EET SAV	09/16/24 07:20
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:08
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:15

Client Sample ID: MW45+#
Lab Sample ID: 310-289219-19

Date Collected: 08/26/24 14:00
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431757	FE5V	EET CF	08/29/24 17:39
Total/NA	Analysis	8260D		1	431910	FE5V	EET CF	08/30/24 15:41
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 11:09
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 13:43
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 10:57

Client Sample ID: MW45+#

Lab Sample ID: 310-289219-19

Date Collected: 08/26/24 14:00

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 16:11
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		4	432667	NFT2	EET CF	09/09/24 19:02
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:49
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		4	432751	NFT2	EET CF	09/10/24 14:38
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856196	CLJ	EET SAV	09/16/24 07:03
Total/NA	Analysis	9020B		1	856206	CLJ	EET SAV	09/16/24 10:43
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:12
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:17

Client Sample ID: MW46+#

Lab Sample ID: 310-289219-20

Date Collected: 08/26/24 15:25

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431870	WSE8	EET CF	08/30/24 16:44
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 11:21
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 13:55
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 16:14
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 19:06
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 18:51
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:40
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856196	CLJ	EET SAV	09/16/24 07:03
Total/NA	Analysis	9020B		1	856206	CLJ	EET SAV	09/16/24 15:30
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:11
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:17

Client Sample ID: MW47+#

Lab Sample ID: 310-289219-21

Date Collected: 08/26/24 16:35

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 03:55

Client Sample ID: MW47+#

Lab Sample ID: 310-289219-21

Date Collected: 08/26/24 16:35

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 11:33
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 14:08
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 11:47
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 16:16
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		4	432667	NFT2	EET CF	09/09/24 19:10
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 19:02
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		4	432751	NFT2	EET CF	09/10/24 14:43
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856196	CLJ	EET SAV	09/16/24 07:03
Total/NA	Analysis	9020B		1	856206	CLJ	EET SAV	09/16/24 16:25
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:12
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:18

Client Sample ID: MW48+#

Lab Sample ID: 310-289219-22

Date Collected: 08/27/24 08:45

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 03:33
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 11:44
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 20:24
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/04/24 14:20
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432145	NFT2	EET CF	09/03/24 16:18
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 19:13
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 19:04
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 14:45
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:26
Total/NA	Prep	Carbon Trap			855830	CLJ	EET SAV	09/12/24 10:12
Total/NA	Analysis	9020B		1	855833	CLJ	EET SAV	09/12/24 17:45
Total/NA	Prep	Distill/Phenol			432151	WZC8	EET CF	09/04/24 08:29
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:18
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:19

Client Sample ID: MW49+#

Lab Sample ID: 310-289219-23

Date Collected: 08/27/24 10:10

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 04:18
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 12:19
Total/NA	Analysis	9056A		5	432347	QTZ5	EET CF	09/05/24 09:04
Total/NA	Analysis	9056A		50	432347	QTZ5	EET CF	09/05/24 11:35
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 14:06
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		4	432667	NFT2	EET CF	09/09/24 19:24
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 19:15
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		4	432751	NFT2	EET CF	09/10/24 15:00
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Total/NA	Prep	Carbon Trap			856196	CLJ	EET SAV	09/16/24 07:03
Total/NA	Analysis	9020B		1	856206	CLJ	EET SAV	09/16/24 17:20
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:08
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:22

Client Sample ID: Dup1

Lab Sample ID: 310-289219-24

Date Collected: 08/26/24 00:00

Matrix: Groundwater

Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 04:40
Total/NA	Analysis	8260D		1	432023	WSE8	EET CF	09/03/24 13:22
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 12:54
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 21:02
Total/NA	Analysis	9056A		5	432477	QTZ5	EET CF	09/05/24 15:19
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 14:08
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 19:27
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 19:18
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432751	NFT2	EET CF	09/10/24 15:02
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:23
Total/NA	Prep	Carbon Trap			856196	CLJ	EET SAV	09/16/24 07:03
Total/NA	Analysis	9020B		1	856206	CLJ	EET SAV	09/16/24 18:31

Client Sample ID: Dup1
Lab Sample ID: 310-289219-24

Date Collected: 08/26/24 00:00
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:10
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:22

Client Sample ID: Dup2
Lab Sample ID: 310-289219-25

Date Collected: 08/26/24 00:00
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 05:03
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 13:05
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 21:15
Total/NA	Analysis	9056A		5	432477	QTZ5	EET CF	09/05/24 15:31
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 14:10
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 19:46
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 19:20
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:23
Total/NA	Prep	Carbon Trap			856196	CLJ	EET SAV	09/16/24 07:03
Total/NA	Analysis	9020B		1	856206	CLJ	EET SAV	09/16/24 19:02
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:10
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:25

Client Sample ID: Equip1
Lab Sample ID: 310-289219-26

Date Collected: 08/27/24 07:40
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 02:48
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 13:17
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 21:27
Total/NA	Analysis	9056A		5	432477	QTZ5	EET CF	09/05/24 15:43
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 14:13
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 19:49
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 19:22
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57

Lab Chronicle

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Client Sample ID: Equip1
Lab Sample ID: 310-289219-26
Date Collected: 08/27/24 07:40
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:27
Total/NA	Prep	Carbon Trap			856196	CLJ	EET SAV	09/16/24 07:03
Total/NA	Analysis	9020B		1	856206	CLJ	EET SAV	09/17/24 06:43
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:11
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:25

Client Sample ID: Equip2
Lab Sample ID: 310-289219-27
Date Collected: 08/28/24 07:40
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 03:10
Dissolved	Analysis	9056A		5	432712	QTZ5	EET CF	09/06/24 13:29
Total/NA	Analysis	9056A		1	432029	QTZ5	EET CF	08/29/24 21:40
Total/NA	Analysis	9056A		5	432477	QTZ5	EET CF	09/05/24 15:56
Dissolved	Prep	3005A			431822	QTZ5	EET CF	08/30/24 09:00
Dissolved	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 14:16
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432667	NFT2	EET CF	09/09/24 19:53
Total/NA	Prep	3005A			431954	F5MW	EET CF	09/03/24 09:30
Total/NA	Analysis	6020B		1	432273	NFT2	EET CF	09/04/24 19:33
Total/NA	Analysis	5220D LL		1	432069	ENB7	EET CF	09/03/24 11:57
Dissolved	Filtration	Filtration			431702	ZJX4	EET CF	08/28/24 16:30
Dissolved	Analysis	7196A		1	431704	ZJX4	EET CF	08/28/24 17:27
Total/NA	Prep	Carbon Trap			856218	CLJ	EET SAV	09/16/24 10:47
Total/NA	Analysis	9020B		1	856260	CLJ	EET SAV	09/17/24 06:18
Total/NA	Prep	Distill/Phenol			432150	WZC8	EET CF	09/04/24 08:28
Total/NA	Analysis	9066		1	432234	ZJX4	EET CF	09/04/24 17:10
Total/NA	Analysis	EPA 350.1		1	431778	ENB7	EET CF	08/29/24 15:27

Client Sample ID: FBBlank1
Lab Sample ID: 310-289219-28
Date Collected: 08/26/24 14:10
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 02:03

Lab Chronicle

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Client Sample ID: FBBlank2
Lab Sample ID: 310-289219-29
Date Collected: 08/27/24 09:40
Matrix: Groundwater
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 02:25

Client Sample ID: TB1
Lab Sample ID: 310-289219-30
Date Collected: 08/28/24 00:00
Matrix: Trip Blank
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 00:32
Total/NA	Analysis	8260D		1	432023	WSE8	EET CF	09/03/24 12:15

Client Sample ID: TB2
Lab Sample ID: 310-289219-31
Date Collected: 08/28/24 00:00
Matrix: Trip Blank
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 00:55

Client Sample ID: TB3
Lab Sample ID: 310-289219-32
Date Collected: 08/28/24 00:00
Matrix: Trip Blank
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 01:17
Total/NA	Analysis	8260D		1	432023	WSE8	EET CF	09/03/24 12:37

Client Sample ID: TB4
Lab Sample ID: 310-289219-33
Date Collected: 08/28/24 00:00
Matrix: Trip Blank
Date Received: 08/28/24 14:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	431797	WSE8	EET CF	08/30/24 01:40

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020B	3005A	Groundwater	Lithium

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-01-25
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-24 *
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Louisiana (DW)	State	LA009	12-31-24
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-24
Michigan	State	9925	06-30-24 *
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-24 *
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-24
Puerto Rico	State	GA00006	01-01-25
South Carolina	State	98001	06-30-24 *
Tennessee	State	TN02961	06-30-25
Texas	NELAP	T1047004185	11-30-24
Texas	TCEQ Water Supply	T104704185	06-30-24 *
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: WDC Acquisition LLC
Job ID: 310-289219-1
Project/Site: 2024 Fall Wellman GW Sampling

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
5220D LL	COD	SM	EET CF
7196A	Chromium, Hexavalent	SW846	EET CF
9020B	Organic Halides, Total (TOX)	SW846	EET SAV
9066	Phenolics, Total Recoverable	SW846	EET CF
EPA 350.1	Ammonia	EPA	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
Carbon Trap	Carbon Trap Preparation	EPA-17	EET SAV
Distill/Phenol	Distillation, Phenolics	None	EET CF
Filtration	Sample Filtration	None	EET CF

Protocol References:

EPA = US Environmental Protection Agency

EPA-17 = "Method 1650, Revision A, Adsorbable Organic Halides By Adsorption And Colormetric Titration," EPA, February 1992

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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310-289219 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8/28/24 | TIME 1350 1410 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW1, MW7, MW8, MW11, MW12, MW13, MW16, MW17, MW20, MW30, MW35, MW37, MW38R, MW39, MW41, MW42, MW43, MW44, MW45, MW46, MW47, MW48, MW49, DUP1, DUP2, MW13MS, MW13MSD, MW48MS, MW48MSD, Equip1, Equip2, FB blank1, FB blank2, TB1, TB2, TB3

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 5.6 | Corrected Temp (°C): 5.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

MW48MS missing 1 vial

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WPC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8/28/24 | TIME 1410 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☒ No *If yes:* Cooler # 2 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 4.4 | Corrected Temp (°C): 4.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8/28/24 | TIME 1410 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 3 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 5.5 | Corrected Temp (°C): 5.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) *If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised?* (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State. CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 4 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

TB4 & additional TB, but no sample HCl voas

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C). 3.1 | Corrected Temp (°C): 3.1

• ***Sample Container Temperature***

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☑ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☑ Yes	☐ No	*If yes:* Cooler # 5 of 9
Cooler Custody Seals Present?	☐ Yes	☑ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☑ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☑ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.6 | Corrected Temp (°C): 2.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 6 of 9
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: 3-3 P | Correction Factor (°C): 3-3 +0.0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.3 | Corrected Temp (°C) 3.3

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 7 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: ☐ NONE

Thermometer ID. P | Correction Factor (°C): 0

• Temp Blank Temperature – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 2.4 | Corrected Temp (°C): 2.4

• Sample Container Temperature

Container(s) used:	CONTAINER 1	CONTAINER 2
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 8 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 2.2 | Corrected Temp (°C): 2.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☑ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☑ Yes	☐ No	*If yes:* Cooler # 9 of 9
Cooler Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

• ***Temp Blank Temperature*** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 3.0 | Corrected Temp (°C): 3.0

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Chain of Custody Record

385386 eurofins

Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Ron Doumont	Site Contact: Matt Thelen	Date: 8/28/24	COC No
Company Name: Penn E&R	Tel/Email: rdoumont@penn-er.com	Lab Contact: Mary Yang	Carrier: RTG Drop	1 of 3 COCs
Address: 111 Ryan Court, Ste 100	Analysis Turnaround Time			Sampler: R.Gavin/T.Merritt
City/State/Zip: Pittsburg, PA 15205	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412-722-1222	TAT if different from Below _____			Walk-in Client:
Fax: 412-722-1244	☐ 2 weeks			Lab Sampling
Project Name: WDC	☐ 1 week			
Site: Creston, IA	☐ 2 days			Job / SDG No
PO #: —	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
MW-A			G	H2O		Y		SEE ATTACHED
MW-7	8/26/24	12:40			10			Parameter
MW-8	8/26	11:50			10			Sheets
MW-11	8/26	14:05			10			
MW-12	8/27	8:25			10			
MW-13	8/26	16:15			10			
MW-16	8/27	9:20			10			
MW-17	8/27	10:05			10			
MW-20	8/27	11:15			6			
MW-30	8/27	11:00			6			
MW-35R	8/28	9:25			6			
MW-37R	8/27/24	11:55			6			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Analyze TB-1 only

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd _____ Corr'd _____	Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	O.A.T.Cert	8/28/24, 14:10			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
					8/28/24 1410

eurofins | Environment Testing America

310-289219 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8/28/24 | TIME 1350 1410 | Received By: AB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW1, MW7, MW8, MW11, MW12, MW13, MW16, MW17, MW18, MW30, MW35, MW37, MW38R, MW39, MW41, MW42, MW43, MW44, MW45, MW46, MW47, MW48, MW49, DUP1, DUP2, MW13MS, MW13MSD, MW48MS, MW48MSD, Equip1, Equip2, FB blank1, FB blank2, TB1, TB2, TB3

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other. ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 5.6 | Corrected Temp (°C): 5.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

MW48MS missing 1 vial

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WPC

City/State. CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8/28/24 | TIME 1410 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☒ No *If yes:* Cooler # 2 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: X | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 4.4 | Corrected Temp (°C): 4.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used.		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8/28/24 | TIME 1410 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 3 of 9
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID. X | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 5.5 | Corrected Temp (°C). 5.5

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 4 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

TB4 & additional TB, but no sample HCl voas

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID. P | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.1 | Corrected Temp (°C): 3.1

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 5 of 9
Cooler Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.6 | Corrected Temp (°C): 2.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 6 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: ☐ NONE

Thermometer ID: 3 3 P | Correction Factor (°C): 3.3 +0.0

• Temp Blank Temperature – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 3.3 | Corrected Temp (°C) 3.3

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State. CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 7 of 9

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID. P | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.4 | Corrected Temp (°C): 2.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID.
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 8 of 9
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.2 | Corrected Temp (°C): 2.2

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: WDC

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 8-28-24 | TIME 1410 | Received By: MY

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☒ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 9 of 9
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: P | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.0 | Corrected Temp (°C): 3.0

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Chain of Custody Record

385386 eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Ron Doumont	Site Contact: Matt Thelen	Date: 8/28/24	COC No
Company Name: Penn E&R	Tel/Email: rdoumont@penn-er.com	Lab Contact: Mary Yang	Carrier: RTG Drop	1 of 3 COCs
Address: 111 Rahn Court, Ste 100	Analysis Turnaround Time			Sampler: R.Gavin/T.Merritt
City/State/Zip: Pittsburg, PA 15205	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412-722-1222	TAT if different from Below _____			Walk-in Client:
Fax: 412-722-1246	☐ 2 weeks			Lab Sampling
Project Name: WDC	☐ 1 week			
Site: Creston, IA	☐ 2 days			Job / SDG No
P O # —	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Sample Specific Notes
MW-A			G	H2O		Y		SEE ATTACHED
MW-7	8/26/24	12:40			10			PARAMETER
MW-8	8/26	11:50			10			SHEETS
MW-11	8/26	14:05			10			
MW-12	8/27	8:25			10			
MW-13	8/26	14:15			10			
MW-16	8/27	9:20			10			
MW-17	8/27	10:05			10			
MW-20	8/27	11:15			6			
MW-30	8/27	11:00			6			
MW-35R	8/28	9:25			6			
MW-37R	8/27/24	11:55	↓	↓	6	↓	↓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
ANALYZE TB-1 ONLY

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	O.A.T.Gert	8/28/24, 14:10			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by [signature]	Company	Date/Time 8/28/24 1410

Chain of Custody Record

385387

eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Ron Dumont	Site Contact: Matt Thelen	Date: 8/28/24	COC No
Company Name: Penn E+R	Tel/Email: rdumont@penn-er.com	Lab Contact: Mary Kang	Carrier: RTG Drop	2 of 3 COCs
Address: 111 Rynn Court, Ste 100	Analysis Turnaround Time			Sampler: Rgavin/Tmerritt
City/State/Zip: Pittsburg, PA 15205	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412-722-1222	TAT if different from Below _____			Walk-in Client.
Fax: 412-722-1244	☐ 2 weeks			Lab Sampling
Project Name: WDC	☐ 1 week			
Site: Cresson, PA	☐ 2 days			Job / SDG No
P O #: —	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
MW-38R	8/28/24	8:35			6	Y		SEE ATTACHED Parameter Sheets
MW-39	8/27	13:35			6	Y		
~~MW-40~~ RTG MW-41	8/27	13:20			6	Y		
MW-42	8/26	12:10			6	Y		
MW-43	8/26	12:35			6	Y		
MW-44	8/26	13:20			10	Y		
MW-45	8/26	14:00			10	Y		
MW-46	8/26	15:25			10	Y		
MW-47	8/26	16:35			10	Y		
MW-48	8/27	8:45			10	Y		
MW-49	8/27/24	10:10			10	Y		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	OA Test	8/28/24 14:10			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
					8/28/24 1410

Chain of Custody Record

385302 eurofins | Environment Testing TestAmerica

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: R. Doumont	Site Contact: Mat Thelen	Date: 8/28/24	COC No
Company Name: PENN E+R	Tel/Email: rdoumont@penn-er.com	Lab Contact: Mary Yang	Carrier: RTC Drop	3 of 3 COCs
Address: 111 Ryan Court STE 100	Analysis Turnaround Time			Sampler: R.Gavin/T Merritt
City/State/Zip: P.Heburg, PA 15205	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 412-722-1222	TAT if different from Below _____			Walk-in Client.
Fax: 412-722-1244	☐ 2 weeks			Lab Sampling
Project Name: WDC	☐ 1 week			
Site: Creston, IA	☐ 2 days			Job / SDG No
PO #: —	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes
Dup-1	8/26/24	—	G	H_2O		Y		SEE ATTACHED
Dup-2	8/26/24	—				Y		PARAMETER
MW-13 MS	8/26	16:45			10	Y		Sheet
MW-13 MSD	8/26	16:15			10	Y		
MW-48 MS	8/27	8:45			10	Y		
MW-48 MSD	8/27	8:45			10	Y		
Equip-1	8/27	7:40			10	Y		
Equip-2	8/28	7:40				Y		
FB Blank-1	8/26	14:10			3	N		
FB Blank-2	8/27/24	9:40			3	N		
TB-1						N		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Analyze TB-1 only

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	QA Tech	8/26/24 14:10			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
					8/28/24 1410

2024 Fall Wellman GW/SW Sampling and Analytical Program

Aug-24

+ IDNR HMSP Landfill Well/SW; # USEPA Well; * IDNR Requirement; ** IDNR and USEPA Requirement; *** USEPA Requirement; **** IDPH Requirement

		VOCs **	1,4 Dioxane ***	Chromium Hex ***	Chromium Total ***	Aluminum Total *	Arsenic (inorganic) Total **	Beryllium Total **	Boron Total **	Cobalt Total *	Cadmium (Water) Total ***	Fluoride (Total) **	Fluoride (Dissolved) *	Iron Total ***	Iron Dissolved *	Lead Total ***	Lithium Total *	Magnesium Total *	Manganese Total *	Nickel Total *	Strontium Total *	Vanadium Total ***	Nitrate-N ****	Nitrite-N ***	Chloride **	Sulfate**	Ammonia Nitrogen *	COD *	Total Organic Halogens *	Phenols *	Liquid Levels + LF Piezometers **	Recovery Elevations *	Specific Conductance Field **	pH Field **	Temp Field **	Thorium Isotopes ****	Uranium Isotopes ****	Gross Alpha ****
SW	SW1+	X				X	X	X	X	X		X	X		X		X	X	X	X	X				X	X	X	X	X	X			X	X	X			
Chrome Area	MW1																																					
	MW2																																					
	MW3R																																					
	MWA #	X	X	X	X		X		X		X	X	X	X		X							X	X	X	X					X		X	X	X			
Landfill Wells	MW6																														X							
	MW7 +	X				X	X	X	X	X		X	X		X		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X			
	MW8 +	X				X	X	X	X	X		X	X		X		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MW9																														X							
	MW10																														X							
	MW11 +#	X	X			X	X	X	X	X	X	X	X	X	X		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MW12 +	X				X	X	X	X	X		X	X		X		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X			
	MW13 +	X				X	X	X	X	X		X	X		X		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MW14																														X							
	MW15																														X							
	MW16 +	X				X	X	X	X	X		X	X		X		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X			
	MW17 +	X				X	X	X	X	X		X	X		X		X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X			
	MW18																														X							
Rad	MW19																														X		X	X	X	X	X	X
	MW20 #	X	X				X		X			X	X	X											X	X					X		X	X	X	X	X	X
Dross	MW27																																					
New RCRA Landfill	MW28																																					
	MW29																																					
	MW30 #	X	X		X		X		X			X	X	X											X	X					X		X	X	X			
	MW31																																					
	MW32																																					
	MW33																																					
VOC	MW34																																					
	MW35 #	X	X	X	X		X	X	X		X	X	X	X											X	X					X		X	X	X			
	MW36R																																					
	MW37 #	X	X						X			X	X	X											X	X					X		X	X	X			
	MW38R #	X	X	X	X		X		X			X	X	X									X	X	X	X					X		X	X	X			
	MW39 #	X	X						X			X	X	X											X	X					X		X	X	X			
	MW40																																					
	MW41 #	X	X				X		X			X	X	X											X	X					X		X	X	X			
New Up	MW42 #	X	X		X		X	X	X		X	X	X	X		X						X			X	X					X		X	X	X			
	MW43 #	X	X		X		X	X	X		X	X	X	X		X						X			X	X					X		X	X	X			
New Down OffSite	MW44 +#	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			
	MW45 +#	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			
	MW46 +#	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			
	MW47 +#	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			
	MW48 +#	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			
	MW49 +#	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X			

2020 Fall Wellman GW/SW Sampling and Analytical Program
Penn E&R Fall 2024
+ IDNR HMSP Landfill Well/SW; # USEPA Well; * IDNR Requirement; ** IDNR and USEPA Requirement; *** USEPA Requirement; **** IDPH Requirement

		VOCs **	1,4,Dioxane ***	Chromium Hex ***	Chromium Total ***	Aluminum Total *	Arsenic (Inorganic) Total **	Beryllium Total **	Boron Total **	Cobalt Total *	Cadmium (Water) Total ***	Fluoride (Total) **	Fluoride (Dissolved) *	Iron Total ***	Iron Dissolved *	Lead Total ***	Lithium Total *	Magnesium Total *	Manganese Total *	Nickel Total *	Strontium Total *	Vanadium Total *	Nitrate-N ***	Nitrite-N ***	Chloride **	Sulfate**	Ammonia Nitrogen *	COD *	Total Organic Halogens *	Phenols *	Specific Conductance Field **	pH Field **	Temp Field **	Thorium Isotopes ****	Uranium Isotopes ****	Gross Alpha ****
Duplicates	Dup1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	Dup2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
MS/MSD	MS1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	MSD1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	MS2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	MSD2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Equipment Rinse Blanks	Equip1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Lab grade DI water needed					
	Equip2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Field Bottle Blanks	FBBlank1	X		Reagent grade water needed																															
	FBBlank2	X																																	
Trip Blanks	TB1	X																																	
	TB2	X																																	
	TB3	X																																	
	TB4	X																																	

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Yang, Mary E	Carrier Tracking No(s):	COC No: 310-75856.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Mary.Yang@ET.EurofinsUS.com	State of Origin: Iowa	Page: Page 1 of 3
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State Program - Iowa		Job #: 310-289219-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/7/2024			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: 2024 Fall Wellman GW Sampling	Project #: 31008106			
Site: 310-WDC Wellman	SSOW#:			

Analysis Requested

Preservation Codes:

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9020B/Carbon_Trap	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW7+ (310-289219-2)	8/26/24	12:40 Central	G	Water			X	1	
MW8+ (310-289219-3)	8/26/24	11:50 Central	G	Water			X	1	
MW11+# (310-289219-4)	8/26/24	14:05 Central	G	Water			X	1	
MW12+ (310-289219-5)	8/27/24	08:25 Central	G	Water			X	1	
MW13+ (310-289219-6)	8/26/24	16:15 Central	G	Water			X	1	
MW13+ (310-289219-6MS)	8/26/24	16:15 Central	G	Water			X	1	
MW13+ (310-289219-6MSD)	8/26/24	16:15 Central	G	Water			X	1	
MW16+ (310-289219-7)	8/27/24	09:20 Central	G	Water			X	1	
MW17+ (310-289219-8)	8/27/24	10:05 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8/29/24 1315			08/30/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6/2.6

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Yang, Mary E	Carrier Tracking No(s):	COC No: 310-75856.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Mary.Yang@ET.EurofinsUS.com	State of Origin: Iowa	Page: Page 2 of 3
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State Program - Iowa		Job #: 310-289219-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/7/2024			Preservation Codes: -
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: 2024 Fall Wellman GW Sampling	Project #: 31008106			
Site: 310-WDC Wellman	SSOW#:			Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9020B/Carbon_Trap	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW44+# (310-289219-18)	8/26/24	13:20 Central	G	Water			X	1	
MW45+# (310-289219-19)	8/26/24	14:00 Central	G	Water			X	1	
MW46+# (310-289219-20)	8/26/24	15:25 Central	G	Water			X	1	
MW47+# (310-289219-21)	8/26/24	16:35 Central	G	Water			X	1	
MW48+# (310-289219-22)	8/27/24	08:45 Central	G	Water			X	1	
MW48+# (310-289219-22MS)	8/27/24	08:45 Central	G	Water			X	1	
MW48+# (310-289219-22MSD)	8/27/24	08:45 Central	G	Water			X	1	
MW49+# (310-289219-23)	8/27/24	10:10 Central	G	Water			X	1	
Dup1 (310-289219-24)	8/26/24	Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
T Hall	8/29/24 1315			08/30/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		5.4 / 5.4

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Yang, Mary E	Carrier Tracking No(s):	COC No: 310-75856.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Mary.Yang@ET.EurofinsUS.com	State of Origin: Iowa	Page: Page 3 of 3
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): State Program - Iowa		Job #: 310-289219-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 10/7/2024			Preservation Codes: -
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: 2024 Fall Wellman GW Sampling	Project #: 31008106			
Site: 310-WDC Wellman	SSOW#:			Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9020B/Carbon_Trap	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Dup2 (310-289219-25)	8/26/24	Central	G	Water			X	1	
Equip1 (310-289219-26)	8/27/24	07:40 Central	G	Water			X	1	
Equip2 (310-289219-27)	8/28/24	07:40 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8/29/24 1715			08/30/24 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.4/5.4

Login Sample Receipt Checklist

Client: WDC Acquisition LLC

Job Number: 310-289219-1

Login Number: 289219

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: WDC Acquisition LLC

Job Number: 310-289219-1

Login Number: 289219
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 08/30/24 01:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Statistical Reports

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

SW-1							Sample I.D. and Date	
Parameter	Units	Mean	St. Dev.	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings								
pH	s.u	NA	NA	NA	6.5-8.5*	6.5-8.5*	7.7	NA
Specific Conductance	umhos/cm	NA	NA	NA	NA	NA	1029.2	NA
Temperature	°F	NA	NA	NA	NA	NA	46.4	NA
Volatile Organic Compounds (VOCs)								
1,4-Dioxane	ug/L	NA	NA	NA	NA	NA	<34.0	NA
Acetone	ug/L	NA	NA	NA	NA	NA	<3.10	NA
Benzene	ug/L	NA	NA	NA	5	5	<0.220	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	<0.440	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	<0.420	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	<0.220	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	<0.370	NA
cis-1,2-Dichloroethene	ug/L	NA	NA	NA	70	70	<0.210	NA
trans-1,2-Dichloroethene	ug/L	NA	NA	NA	100	100	<0.270	NA
2-Butanone (MEK)	ug/L	NA	NA	NA	NA	NA	<2.10	NA
Tetrachloroethene	ug/L	NA	NA	NA	5	5	<0.480	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	200	200	<0.190	NA
Trichloroethylene	ug/L	NA	NA	NA	5	5	<0.430	NA
Vinyl Chloride	ug/L	NA	NA	NA	2	2	<0.180	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA
Xylenes Total	ug/L	NA	NA	NA	10000	10000	<0.400	NA
Acrylonitrile	ug/L	NA	NA	NA	NA	NA	<2.20	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	<0.540	NA
Bromodichloromethane	ug/L	NA	NA	NA	80	80	<0.390	NA
Bromoform	ug/L	NA	NA	NA	80	80	<0.780	NA
Carbon disulfide	ug/L	NA	NA	NA	NA	NA	<0.450	NA
Carbon tetrachloride	ug/L	NA	NA	NA	5	5	<0.650	NA
Chlorobenzene	ug/L	NA	NA	NA	100	100	<0.400	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	<0.790	NA
Chloroform	ug/L	NA	NA	NA	80	80	<1.30	NA
Chlorodibromomethane	ug/L	NA	NA	NA	80	80	<0.750	NA
1,2-Dibromo-3-Chloropropane	ug/L	NA	NA	NA	0.2	0.2	<1.20	NA
1,2-Dibromoethane (EDB)	ug/L	NA	NA	NA	0.05	0.05	<0.340	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	600	600	<0.370	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	75	75	<0.230	NA
trans-1,4-Dichloro-2-butene	ug/L	NA	NA	NA	NA	NA	<1.10	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	5	5	<0.390	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	7	7	<0.560	NA
trans-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	<0.560	NA
cis-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	<0.250	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	5	5	<0.270	NA
2-Hexanone	ug/L	NA	NA	NA	NA	NA	<2.00	NA
Ethylbenzene	ug/L	NA	NA	NA	700	700	<0.310	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	<0.790	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	<1.10	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	<0.330	NA
Methylene Chloride	ug/L	NA	NA	NA	5	5	<1.70	NA
4-Methyl-2-pentanone (MIBK)	ug/L	NA	NA	NA	NA	NA	<2.10	NA
Iodomethane	ug/L	NA	NA	NA	NA	NA	<7.00	NA
Styrene	ug/L	NA	NA	NA	100	100	<0.370	NA
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	<0.380	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	<0.470	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	5	5	<0.450	NA
Toluene	ug/L	NA	NA	NA	1000	1000	<0.430	NA
Trichlorofluoromethane	ug/L	NA	NA	NA	NA	NA	<0.380	NA
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	<0.590	NA
Vinyl acetate	ug/L	NA	NA	NA	NA	NA	<2.50	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	<0.350	NA

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

SW-1							Sample I.D. and Date	
Parameter	Units	Mean	St. Dev.	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry								
BOD	mg/L	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Ammonia	mg/L	NA	NA	NA	NA	NA	<0.100	NA
COD, Block Digestor	mg/L	NA	NA	NA	NA	NA	19.2	NA
Phenols	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Solids	mg/L	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	NA	NA	500*	500*	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	NA	NA
Total Organic Halogens	mg/L	NA	NA	NA	NA	NA	NA	NA
Anions								
Chloride	mg/L	NA	NA	NA	250*	250*	162	NA
Sulfide	mg/L	NA	NA	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	NA	NA	NA	4/2*	4/2*	5.41	NA
Fluoride - total	mg/L	NA	NA	NA	4/2*	4/2*	5.62	NA
Nitrate N	mg/L	NA	NA	NA	10	10	NA	NA
Nitrite N	mg/L	NA	NA	NA	1	1	NA	NA
Sulfate	mg/L	NA	NA	NA	250*	250*	102	NA
Bromate	mg/L	NA	NA	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA	NA	NA
Metals								
Boron Total	mg/L	NA	NA	NA	NA	NA	5.68	NA
Lithium Total	mg/L	NA	NA	NA	NA	NA	<0.0240	NA
Iron - dissolved	mg/L	NA	NA	NA	0.3*	0.3*	<0.0360	NA
Iron Total	mg/L	NA	NA	NA	0.3*	0.3*	NA	NA
Aluminum Total	mg/L	NA	NA	NA	0.05*	0.05*	0.241	NA
Antimony Total	mg/L	NA	NA	NA	0.006	0.006	NA	NA
Arsenic Total	mg/L	NA	NA	NA	0.01	0.01	0.000888 J	NA
Barium Total	mg/L	NA	NA	NA	2	2	NA	NA
Beryllium Total	mg/L	NA	NA	NA	0.004	0.004	<0.000330	NA
Cadmium Total	mg/L	NA	NA	NA	0.005	0.005	NA	NA
Chromium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium - Dissolved - VI	mg/L	NA	NA	NA	0.1	0.1	NA	NA
Chromium - Dissolved - Tri	mg/L	NA	NA	NA	0.1	0.1	NA	NA
Cobalt Total	mg/L	NA	NA	NA	NA	NA	0.000188 J	NA
Copper Total	mg/L	NA	NA	NA	1.3/1*	1.3/1*	NA	NA
Lead Total	mg/L	NA	NA	NA	0.015	0.015	NA	NA
Magnesium Total	mg/L	NA	NA	NA	NA	NA	46.1	NA
Manganese Total	mg/L	NA	NA	NA	0.05*	0.05*	0.919	NA
Molybdenum Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Nickel Total	mg/L	NA	NA	NA	NA	NA	<0.00190	NA
Silver Total	mg/L	NA	NA	NA	0.1*	0.1*	NA	NA
Strontium Total	mg/L	NA	NA	NA	NA	NA	0.383	NA
Thallium Total	mg/L	NA	NA	NA	0.002	0.002	NA	NA
Vanadium Total	mg/L	NA	NA	NA	NA	NA	NA	NA
Zinc Total	mg/L	NA	NA	NA	NA	NA	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-7							Sample I.D. and Date	
Parameter	Units	Mean	St. Dev.	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings								
pH	s.u	7.22	0.33	7.884	6.5-8.5*	6.5-8.5*	7.39	6.64
Specific Conductance	umhos/cm	1509.84	298.85	2107.54	NA	2107.54	1300.40	2297.00
Temperature	°F	62.60	9.68	81.96	NA	81.96	51.89	86.09
Volatile Organic Compounds (VOCs)								
1,4-Dioxane	ug/L	19.1050	6.3150	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	1.5953	0.5717	2.7387	NA	2.7387	<3.10	<3.10
Benzene	ug/L	0.0947	0.0246	0.1440	5	0.1440	<0.220	<0.220
n-Butylbenzene	ug/L	0.2103	0.0157	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.1794	0.0493	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1086	0.0022	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.1614	0.0381	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.0939	0.0179	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1267	0.0134	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	1.0675	0.7032	2.4738	NA	2.4738	<2.10	<2.10
Tetrachloroethene	ug/L	0.1983	0.0672	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.0853	0.0157	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.1817	0.0537	0.2892	5	0.2892	<0.430	<0.430
Vinyl Chloride	ug/L	0.1022	0.0721	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	0.2718	0.3951	1.0620	NA	1.0620	NA	NA
Xylenes Total	ug/L	0.1667	0.0560	0.2787	10000	0.2787	<0.400	<0.400
Acrylonitrile	ug/L	0.8681	0.3740	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.2117	0.0941	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.1500	0.0636	0.2773	80	0.2773	<0.390	<0.390
Bromoform	ug/L	0.3011	0.1433	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.1833	0.0672	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.2681	0.0918	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.1708	0.0470	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.3061	0.1433	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.5083	0.2284	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.2986	0.1232	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.5028	0.1568	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.1408	0.0470	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.1531	0.0515	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1108	0.0067	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.4153	0.2172	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.1708	0.0433	0.2575	5	0.2575	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.2231	0.0918	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.2328	0.0761	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1111	0.0224	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.2183	0.1344	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	0.7500	0.4031	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1411	0.0224	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	1.1908	3.8349	8.8606	NA	8.8606	<0.610	<0.610
Bromomethane	ug/L	0.5285	0.2964	1.1213	NA	1.1213	<1.10	<1.10
Dibromomethane	ug/L	0.1411	0.0341	0.2092	NA	0.2092	<0.330	<0.330
Methylene Chloride	ug/L	0.6674	0.2782	1.2238	5	1.2238	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	0.7422	0.4358	1.6138	NA	1.6138	<2.10	<2.10
Iodomethane	ug/L	2.4506	1.4854	5.4215	NA	5.4215	<7.00	<7.00
Styrene	ug/L	0.1475	0.0605	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.1617	0.0401	0.2418	NA	0.2418	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.1781	0.0826	0.3432	NA	0.3432	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.2250	0.2130	0.6510	5	0.6510	<0.450	<0.450
Toluene	ug/L	0.1775	0.0638	0.3051	1000	0.3051	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.1556	0.0488	0.2531	NA	0.2531	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.2350	0.0887	0.4124	NA	0.4124	<0.590	<0.590
Vinyl acetate	ug/L	0.9411	0.4410	1.8231	NA	1.8231	<2.50	<2.50
Isopropylbenzene	ug/L	0.1515	0.0365	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-7							Sample I.D. and Date	
Parameter	Units	Mean	St. Dev.	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry		0.2000	0.0000					
BOD	mg/L	1.1000	0.0000	1.1000	NA	1.1000	NA	NA
Nitrogen, Ammonia	mg/L	0.0562	0.0523	0.1607	NA	0.1607	<0.100	<0.100
COD, Block Digestor	mg/L	3.3061	2.0793	7.4647	NA	7.4647	9.68	<4.80
Phenols	mg/L	0.0443	0.1152	0.2748	NA	0.2748	NA	<0.0102
Total Solids	mg/L	0.2250	0.0000	0.2250	NA	0.2250	NA	NA
TDS	mg/L	0.3250	0.0000	0.3250	500*	0.3250	NA	NA
TSS	mg/L	0.2000	0.0000	0.2000	NA	0.2000	NA	NA
Total Organic Halogens	mg/L	0.0582	0.1142	0.2866	NA	0.2866	NA	0.0765
Anions		0.6500	0.0000					
Chloride	mg/L	9.4911	3.2156	15.9224	250*	15.9224	11.0	9.87
Sulfide	mg/L	0.6000	0.0000	0.6000	NA	0.6000	NA	NA
Fluoride - dissolved	mg/L	0.6733	0.2830	1.2393	4/2*	1.2393	0.619 J	0.527 J
Fluoride - total	mg/L	0.8075	0.4958	1.7991	4/2*	1.7991	0.590 J	0.657 J
Nitrate N	mg/L	0.1150	0.0000	0.1150	10	10	NA	NA
Nitrite N	mg/L	0.1877	0.2150	0.6176	1	0.6176	NA	NA
Sulfate	mg/L	640.7886	249.3141	1139.4168	250*	1139.42	1090	922
Bromate	mg/L	0.4560	0.3972	1.2503	0.01	0.01	NA	NA
Total Phosphorus	mg/L	0.2800	0.0000	0.2800	NA	0.2800	NA	NA
Metals		0.1250	0.0000					
Boron Total	mg/L	1.1092	0.2491	1.6073447	NA	1.6073447	1.13	1.18
Lithium Total	mg/L	0.1258	0.2125	0.5508691	NA	0.5508691	0.0910	0.0983
Iron - dissolved	mg/L	0.0353	0.0320	0.0992657	0.3*	0.0992657	<0.0360	<0.0360
Iron Total	mg/L	0.0270	0.0064	0.0397268	0.3*	0.0397268	NA	NA
Aluminum Total	mg/L	0.0123	0.0054	0.0231569	0.05*	0.0231569	<0.0170	<0.0170
Antimony Total	mg/L	0.0002	0.0002	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0004	0.0001	0.0006410	0.01	0.0006410	<0.000750	<0.000530
Barium Total	mg/L	0.0281	0.0059	0.0398150	2	0.0398150	NA	NA
Beryllium Total	mg/L	0.0001	0.0000	0.0001794	0.004	0.0001794	<0.000270	<0.000330
Cadmium Total	mg/L	0.0000	0.0000	0.0000949	0.005	0.0000949	NA	NA
Chromium Total	mg/L	0.0004	0.0001	0.0006636	NA	0.0006636	NA	NA
Chromium - Dissolved - VI	mg/L	0.0027	0.0001	0.0029756	0.1	0.0029756	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100	0.0000	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0001	0.0000	0.0001546	NA	0.0001546	<0.000170	<0.000170
Copper Total	mg/L	0.0008	0.0003	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0001	0.0000	0.0001887	0.015	0.0001887	NA	NA
Magnesium Total	mg/L	57.7722	14.8909	87.5539322	NA	87.5539322	80.9	79.4
Manganese Total	mg/L	0.0068	0.0059	0.0186561	0.05*	0.0186561	0.0117	0.00747 J
Molybdenum Total	mg/L	0.0075	0.0006	0.0086720	NA	0.0086720	NA	NA
Nickel Total	mg/L	0.0009	0.0002	0.0013330	NA	0.0013330	<0.00190	<0.00190
Silver Total	mg/L	0.0001	0.0000	0.0001597	0.1*	0.0001597	NA	NA
Strontium Total	mg/L	1.0076	0.2826	1.5728151	NA	1.5728151	1.30	1.37
Thallium Total	mg/L	0.0001	0.0001	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0006	0.0003	0.0012135	NA	0.0012135	NA	NA
Zinc Total	mg/L	0.0048	0.0013	0.0073743	NA	0.0073743	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-8							Sample I.D. and Date	
Parameter	Units	Mean	St. Dev.	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings								
pH	s.u	7.4694	0.455	8.38	6.5-8.5*	6.5-8.5*	7.63	6.75
Specific Conductance	umhos/cm	494.3644	189.379	873.12	NA	873.12	382.50	427.57
Temperature	°F	58.6858	9.091	76.87	NA	76.87	50.67	73.85
Volatile Organic Compounds (VOCs)								
1,4-Dioxane	ug/L	19.1050	6.3150	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	1.5125	0.3429	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1064	0.0447	0.1957	5	0.1957	<0.220	<0.220
n-Butylbenzene	ug/L	0.2103	0.0157	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.1794	0.0493	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1086	0.0022	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.1614	0.0381	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.0939	0.0179	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1267	0.0134	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	1.0042	0.4694	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.1983	0.0672	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.0853	0.0157	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.1831	0.0549	0.2929	5	0.2929	<0.430	<0.430
Vinyl Chloride	ug/L	0.1022	0.0721	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	0.2831	0.3735	1.0302	NA	1.0302	NA	NA
Xylenes Total	ug/L	0.1625	0.0605	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	0.8681	0.3740	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.2117	0.0941	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.1575	0.0605	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.3011	0.1433	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.1833	0.0672	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.2681	0.0918	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.1708	0.0470	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.3061	0.1433	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.5083	0.2284	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.2986	0.1232	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.5028	0.1568	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.1408	0.0470	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.1531	0.0515	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1108	0.0067	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.4153	0.2172	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.1611	0.0481	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.2231	0.0918	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.2328	0.0761	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1111	0.0224	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.2183	0.1344	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	0.7500	0.4031	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1411	0.0224	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.2633	0.0672	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.4706	0.1623	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.1442	0.0336	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	0.6931	0.2683	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	0.7889	0.4210	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	2.6389	1.3885	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.1475	0.0605	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.1664	0.0381	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.1836	0.0829	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.1792	0.0739	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.1761	0.0627	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.1608	0.0470	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.2394	0.0896	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.0056	0.3942	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.1528	0.0358	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-8							Sample I.D. and Date	
Parameter	Units	Mean	St. Dev.	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry		0.0000	0.0000					
BOD	mg/L	0.0000	0.0000	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0431	0.0067	0.0565	NA	0.0565	<0.100	<0.100
COD, Block Digestor	mg/L	3.3561	1.6031	6.5624	NA	6.5624	6.49	<4.80
Phenols	mg/L	0.0063	0.0016	0.0094	NA	0.0094	NA	NA
Total Solids	mg/L	0.0000	0.0000	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	0.0000	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	0.0000	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0218	0.0190	0.0598	NA	0.0598	NA	0.0606
Anions		0.0000	0.0000					
Chloride	mg/L	7.0389	1.5893	10.2175	250*	10.2175	6.50	6.61
Sulfide	mg/L	0.0000	0.0000	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	0.6587	0.2465	1.1517	4/2*	1.1517	0.598 J	0.591 J
Fluoride - total	mg/L	1.8382	3.0979	8.0340	4/2*	4.0000	0.629 J	0.599 J
Nitrate N	mg/L	6.9250	0.0250	6.9750	10	6.9750	NA	NA
Nitrite N	mg/L	0.0177	0.0008	0.0192	1	0.0192	NA	NA
Sulfate	mg/L	42.5389	6.6199	55.7788	250*	55.7788	43.3	39.8
Bromate	mg/L	0.2500	0.0000	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	0.0000	0.0000	NA	NA	NA	NA	NA
Metals		0.0000	0.0000					
Boron Total	mg/L	0.1397	0.3096	0.7588884	NA	0.7588884	<0.0610	<0.0610
Lithium Total	mg/L	0.0128	0.0052	0.0231771	NA	0.0231771	<0.0240	0.0136
Iron - dissolved	mg/L	0.0312	0.0171	0.0653436	0.3*	0.0653436	<0.0360	<0.0360
Iron Total	mg/L	0.0285	0.0046	0.0375500	0.3*	0.0375500	NA	NA
Aluminum Total	mg/L	0.0361	0.0631	0.1623503	0.05*	0.1623503	0.0172 J	<0.0210
Antimony Total	mg/L	0.0002	0.0002	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0004	0.0001	0.0006477	0.01	0.0006477	<0.000750	<0.000750
Barium Total	mg/L	0.1250	0.0100	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001	0.0000	0.0001744	0.004	0.0001744	<0.000270	<0.000270
Cadmium Total	mg/L	0.0000	0.0000	0.0001037	0.005	0.0001037	NA	NA
Chromium Total	mg/L	0.0005	0.0004	0.0013300	NA	0.0013300	NA	NA
Chromium - Dissolved - VI	mg/L	0.0025	0.0000	0.0025150	0.1	0.0025150	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100	0.0000	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0001	0.0001	0.0002759	NA	0.0002759	<0.000190	<0.000190
Copper Total	mg/L	0.0008	0.0003	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0001	0.0000	0.0002030	0.015	0.0002030	NA	NA
Magnesium Total	mg/L	14.0500	0.7159	15.4817821	NA	15.4817821	13.6	14.0
Manganese Total	mg/L	0.0024	0.0017	0.0057082	0.05*	0.0057082	<0.00360	0.00391 J
Molybdenum Total	mg/L	0.0049	0.0006	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0009	0.0002	0.0013390	NA	0.0013390	<0.00190	<0.00190
Silver Total	mg/L	0.0001	0.0000	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1596	0.0080	0.1757100	NA	0.1757100	0.158	0.153
Thallium Total	mg/L	0.0001	0.0001	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0005	0.0003	0.0011735	NA	0.0011735	NA	NA
Zinc Total	mg/L	0.0102	0.0117	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-11					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	8.38	6.5-8.5*	6.5-8.5*	6.81	6.29
Specific Conductance	umhos/cm	873.12	NA	873.12	3161.4	1515.8
Temperature	°F	76.87	NA	76.87	45.97	71.71
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1957	5	0.1957	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	0.328 J	2.49
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	16.6	9.69
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2929	5	0.2929	0.53 J	0.839 J
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0302	NA	1.0302	<0.217	NA
Xylenes Total	ug/L	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-11					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0565	NA	0.0565	1.13	<0.100
COD, Block Digestor	mg/L	6.5624	NA	6.5624	17.0	13.1
Phenols	mg/L	0.0094	NA	0.0094	NA	<0.0100
Total Solids	mg/L	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0598	NA	0.0598	NA	0.205
Anions						
Chloride	mg/L	10.2175	250*	10.2175	1020	240
Sulfide	mg/L	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	1.1517	4/2*	1.1517	11.6	18.9
Fluoride - total	mg/L	8.0340	4/2*	4.0000	11.5	18.2
Nitrate N	mg/L	6.9750	10	6.9750	NA	NA
Nitrite N	mg/L	0.0192	1	0.0192	NA	NA
Sulfate	mg/L	55.7788	250*	55.7788	29.0	35.7
Bromate	mg/L	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA
Metals						
Boron Total	mg/L	0.7588884	NA	0.7588884	2.05	2.24
Lithium Total	mg/L	0.0231771	NA	0.0231771	<0.0240	0.00516 J
Iron - dissolved	mg/L	0.0653436	0.3*	0.0653436	<0.0360	0.0391 J
Iron Total	mg/L	0.0375500	0.3*	0.0375500	NA	0.0525 J
Aluminum Total	mg/L	0.1623503	0.05*	0.1623503	0.285	0.329
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006477	0.01	0.0006477	<0.000750	<0.000530
Barium Total	mg/L	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001744	0.004	0.0001744	0.000357 J	0.000619 J
Cadmium Total	mg/L	0.0001037	0.005	0.0001037	NA	0.000132 J
Chromium Total	mg/L	0.0013300	NA	0.0013300	NA	NA
Chromium - Dissolved - VI	mg/L	0.0025150	0.1	0.0025150	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0002759	NA	0.0002759	<0.000170	<0.000170
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0002030	0.015	0.0002030	NA	NA
Magnesium Total	mg/L	15.4817821	NA	15.4817821	50.5	14.0
Manganese Total	mg/L	0.0057082	0.05*	0.0057082	0.0725	0.105
Molybdenum Total	mg/L	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0013390	NA	0.0013390	0.00311 J	<0.00210
Silver Total	mg/L	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1757100	NA	0.1757100	0.630	0.196
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0011735	NA	0.0011735	NA	NA
Zinc Total	mg/L	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-12					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	7.884	6.5-8.5*	6.5-8.5*	7.25	7.10
Specific Conductance	umhos/cm	2107.54	NA	2107.54	3417.3	2913.8
Temperature	°F	81.96	NA	81.96	48.87	67.65
Volatile Organic Compounds (VOCs)						
1,4-Dioxan	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.7387	NA	2.7387	<3.10	<3.10
Benzene	ug/L	0.1440	5	0.1440	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	0.460 J	0.445 J
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	0.556 J
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	2.4738	NA	2.4738	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2892	5	0.2892	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0620	NA	1.0620	<0.222	NA
Xylenes Total	ug/L	0.2787	10000	0.2787	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2773	80	0.2773	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2575	5	0.2575	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	8.8606	NA	8.8606	<0.610	<0.610
Bromomethane	ug/L	1.1213	NA	1.1213	<1.10	<1.10
Dibromomethane	ug/L	0.2092	NA	0.2092	<0.330	<0.330
Methylene Chloride	ug/L	1.2238	5	1.2238	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6138	NA	1.6138	<2.10	<2.10
Iodomethane	ug/L	5.4215	NA	5.4215	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2418	NA	0.2418	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3432	NA	0.3432	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.6510	5	0.6510	<0.450	<0.450
Toluene	ug/L	0.3051	1000	0.3051	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2531	NA	0.2531	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4124	NA	0.4124	<0.590	<0.590
Vinyl acetate	ug/L	1.8231	NA	1.8231	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-12					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	1.1000	NA	1.1000	NA	NA
Nitrogen, Ammonia	mg/L	0.1607	NA	0.1607	1.13	1.23
COD, Block Digestor	mg/L	7.4647	NA	7.4647	14.1	8.77
Phenols	mg/L	0.2748	NA	0.2748	NA	<0.0100
Total Solids	mg/L	0.2250	NA	0.2250	NA	NA
TDS	mg/L	0.3250	500*	0.3250	NA	NA
TSS	mg/L	0.2000	NA	0.2000	NA	NA
Total Organic Halogens	mg/L	0.2866	NA	0.2866	NA	0.0953
Anions						
Chloride	mg/L	15.9224	250*	15.9224	162	147
Sulfide	mg/L	0.6000	NA	0.6000	NA	NA
Fluoride - dissolved	mg/L	1.2393	4/2*	1.2393	<0.375	<0.375
Fluoride - total	mg/L	1.7991	4/2*	1.7991	<0.375	<0.375
Nitrate N	mg/L	0.1150	10	10	NA	NA
Nitrite N	mg/L	0.6176	1	0.6176	NA	NA
Sulfate	mg/L	1139.4168	250*	1139.4168	1950	1840
Bromate	mg/L	1.2503	0.01	0.01	NA	NA
Total Phosphorus	mg/L	0.2800	NA	0.2800	NA	NA
Metals						
Boron Total	mg/L	1.6073447	NA	1.6073447	16.8	16.3
Lithium Total	mg/L	0.5508691	NA	0.5508691	0.115	0.118
Iron - dissolved	mg/L	0.0992657	0.3*	0.0992657	<0.0360	<0.0360
Iron Total	mg/L	0.0397268	0.3*	0.0397268	NA	NA
Aluminum Total	mg/L	0.0231569	0.05*	0.0231569	<0.0170	<0.0170
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006410	0.01	0.0006410	<0.000750	<0.000530
Barium Total	mg/L	0.0398150	2	0.0398150	NA	NA
Beryllium Total	mg/L	0.0001794	0.004	0.0001794	<0.000270	<0.00132
Cadmium Total	mg/L	0.0000949	0.005	0.0000949	NA	NA
Chromium Total	mg/L	0.0006636	NA	0.0006636	NA	NA
Chromium - Dissolved - VI	mg/L	0.0029756	0.1	0.0029756	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0001546	NA	0.0001546	0.00140 J	0.00147 J
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0001887	0.015	0.0001887	NA	NA
Magnesium Total	mg/L	87.5539322	NA	87.5539322	164	150
Manganese Total	mg/L	0.0186561	0.05*	0.0186561	3.53	3.34
Molybdenum Total	mg/L	0.0086720	NA	0.0086720	NA	NA
Nickel Total	mg/L	0.0013330	NA	0.0013330	0.0163 J	<0.00840
Silver Total	mg/L	0.0001597	0.1*	0.0001597	NA	NA
Strontium Total	mg/L	1.5728151	NA	1.5728151	2.82	2.88
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0012135	NA	0.0012135	NA	NA
Zinc Total	mg/L	0.0073743	NA	0.0073743	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-13					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	8.38	6.5-8.5*	6.5-8.5*	6.90	6.00
Specific Conductance	umhos/cm	873.12	NA	873.12	5308.2	6842.1
Temperature	°F	76.87	NA	76.87	45.72	72.93
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1957	5	0.1957	0.320 J	0.721
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	10.6	18.0
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	4.68
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	0.662 J	2.20
2-Butanone (MEK)	ug/L	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2929	5	0.2929	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	0.633 J	20.8
Naphthalene	ug/L	1.0302	NA	1.0302	NA	NA
Xylenes Total	ug/L	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-13					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0565	NA	0.0565	5.43	6.72
COD, Block Digestor	mg/L	6.5624	NA	6.5624	34.2	33.9
Phenols	mg/L	0.0094	NA	0.0094	NA	<0.0102
Total Solids	mg/L	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0598	NA	0.0598	NA	0.259
Anions						
Chloride	mg/L	10.2175	250*	10.2175	1170	1260
Sulfide	mg/L	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	1.1517	4/2*	1.1517	47.0	51.1
Fluoride - total	mg/L	8.0340	4/2*	4.0000	46.9	50.3
Nitrate N	mg/L	6.9750	10	6.9750	NA	NA
Nitrite N	mg/L	0.0192	1	0.0192	NA	0.367
Sulfate	mg/L	55.7788	250*	55.7788	1260	1480
Bromate	mg/L	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA
Metals						
Boron Total	mg/L	0.7588884	NA	0.7588884	125	19.2
Lithium Total	mg/L	0.0231771	NA	0.0231771	<0.0960	0.0380
Iron - dissolved	mg/L	0.0653436	0.3*	0.0653436	8.13	6.76
Iron Total	mg/L	0.0375500	0.3*	0.0375500	NA	NA
Aluminum Total	mg/L	0.1623503	0.05*	0.1623503	3.63	2.27
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006477	0.010	0.0006477	0.0152	0.00784
Barium Total	mg/L	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001744	0.004	0.0001744	<0.00231	<0.00231
Cadmium Total	mg/L	0.0001037	0.005	0.0001037	NA	NA
Chromium Total	mg/L	0.0013300	NA	0.0013300	NA	NA
Chromium - Dissolved - VI	mg/L	0.0025150	0.1	0.0025150	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0002759	NA	0.0002759	0.0110	0.0179
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0002030	0.015	0.0002030	NA	NA
Magnesium Total	mg/L	15.4817821	NA	15.4817821	453	530
Manganese Total	mg/L	0.0057082	0.05*	0.0057082	20.8	26.0
Molybdenum Total	mg/L	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0013390	NA	0.0013390	0.0280 J	<0.0735
Silver Total	mg/L	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1757100	NA	0.1757100	0.662	0.704
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0011735	NA	0.0011735	NA	NA
Zinc Total	mg/L	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-16					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	8.38	6.5-8.5*	6.5-8.5*	6.20	6.14
Specific Conductance	umhos/cm	873.12	NA	873.12	3383.5	2962.6
Temperature	°F	76.87	NA	76.87	47.17	64.71
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1957	5	0.1957	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	0.607 J	0.488 J
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	29.9	22.0
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	0.342 J
2-Butanone (MEK)	ug/L	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2929	5	0.2929	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	0.302 J
Naphthalene	ug/L	1.0302	NA	1.0302	<0.217	NA
Xylenes Total	ug/L	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-16					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0565	NA	0.0565	<0.100	<0.100
COD, Block Digestor	mg/L	6.5624	NA	6.5624	19.2	25.6
Phenols	mg/L	0.0094	NA	0.0094	NA	<0.0100
Total Solids	mg/L	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0598	NA	0.0598	NA	0.343
Anions						
Chloride	mg/L	10.2175	250*	10.2175	951	844
Sulfide	mg/L	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	1.1517	4/2*	1.1517	2.03	1.68
Fluoride - total	mg/L	8.0340	4/2*	4.0000	2.04	1.72
Nitrate N	mg/L	6.9750	10	6.9750	NA	NA
Nitrite N	mg/L	0.0192	1	0.0192	NA	NA
Sulfate	mg/L	55.7788	250*	55.7788	500	383
Bromate	mg/L	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA
Metals						
Boron Total	mg/L	0.7588884	NA	0.7588884	68.3	57.3
Lithium Total	mg/L	0.0231771	NA	0.0231771	<0.0480	0.0236
Iron - dissolved	mg/L	0.0653436	0.3*	0.0653436	<0.0360	0.381
Iron Total	mg/L	0.0375500	0.3*	0.0375500	NA	NA
Aluminum Total	mg/L	0.1623503	0.05*	0.1623503	0.0797 J	<0.0840
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006477	0.010	0.0006477	<0.000750	0.000809 J
Barium Total	mg/L	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001744	0.004	0.0001744	<0.000270	<0.00132
Cadmium Total	mg/L	0.0001037	0.005	0.0001037	NA	NA
Chromium Total	mg/L	0.0013300	NA	0.0013300	NA	NA
Chromium - Dissolved - VI	mg/L	0.0025150	0.1	0.0025150	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0002759	NA	0.0002759	0.00260	0.00438
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0002030	0.015	0.0002030	NA	NA
Magnesium Total	mg/L	15.4817821	NA	15.4817821	167	152
Manganese Total	mg/L	0.0057082	0.05*	0.0057082	2.21	2.59
Molybdenum Total	mg/L	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0013390	NA	0.0013390	0.101	<0.0420
Silver Total	mg/L	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1757100	NA	0.1757100	1.27	1.43
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0011735	NA	0.0011735	NA	NA
Zinc Total	mg/L	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-17					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	8.38	6.5-8.5*	6.5-8.5*	6.72	6.63
Specific Conductance	umhos/cm	873.12	NA	873.12	2492.7	2508.30
Temperature	°F	76.87	NA	76.87	51.73	73.26
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1957	5	0.1957	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2929	5	0.2929	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0302	NA	1.0302	NA	NA
Xylenes Total	ug/L	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-17					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0565	NA	0.0565	<0.100	<0.100
COD, Block Digestor	mg/L	6.5624	NA	6.5624	19.2	11.8
Phenols	mg/L	0.0094	NA	0.0094	NA	<0.0100
Total Solids	mg/L	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0598	NA	0.0598	NA	0.309
Anions						
Chloride	mg/L	10.2175	250*	10.2175	431	427
Sulfide	mg/L	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	1.1517	4/2*	1.1517	18.1	21.2
Fluoride - total	mg/L	8.0340	4/2*	4.0000	17.5	20.2
Nitrate N	mg/L	6.9750	10	6.9750	NA	NA
Nitrite N	mg/L	0.0192	1	0.0192	NA	NA
Sulfate	mg/L	55.7788	250*	55.7788	411	406
Bromate	mg/L	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA
Metals						
Boron Total	mg/L	0.7588884	NA	0.7588884	54.6	55.7
Lithium Total	mg/L	0.0231771	NA	0.0231771	<0.0480	0.0214
Iron - dissolved	mg/L	0.0653436	0.3*	0.0653436	<0.0360	<0.0360
Iron Total	mg/L	0.0375500	0.3*	0.0375500	NA	NA
Aluminum Total	mg/L	0.1623503	0.05*	0.1623503	0.750	0.602
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006477	0.010	0.0006477	<0.000750	<0.000530
Barium Total	mg/L	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001744	0.004	0.0001744	<0.00132	<0.00132
Cadmium Total	mg/L	0.0001037	0.005	0.0001037	NA	NA
Chromium Total	mg/L	0.0013300	NA	0.0013300	NA	NA
Chromium - Dissolved - VI	mg/L	0.0025150	0.1	0.0025150	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0002759	NA	0.0002759	<0.000680	<0.000170
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0002030	0.015	0.0002030	NA	NA
Magnesium Total	mg/L	15.4817821	NA	15.4817821	128	122
Manganese Total	mg/L	0.0057082	0.05*	0.0057082	0.269	0.133
Molybdenum Total	mg/L	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0013390	NA	0.0013390	0.00794 J	<0.0424
Silver Total	mg/L	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1757100	NA	0.1757100	0.975	0.978
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0011735	NA	0.0011735	NA	NA
Zinc Total	mg/L	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-44					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	8.38	6.5-8.5*	6.5-8.5*	7.19	6.39
Specific Conductance	umhos/cm	873.12	NA	873.12	1035.1	1161.9
Temperature	°F	76.87	NA	76.87	53.35	102.83
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1957	5	0.1957	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2929	5	0.2929	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0302	NA	1.0302	<0.208	NA
Xylenes Total	ug/L	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-44					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0565	NA	0.0565	<0.100	<0.100
COD, Block Digestor	mg/L	6.5624	NA	6.5624	6.17	5.12
Phenols	mg/L	0.0094	NA	0.0094	NA	<0.0106
Total Solids	mg/L	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0598	NA	0.0598	NA	0.0635
Anions						
Chloride	mg/L	10.2175	250*	10.2175	45.3	16.7
Sulfide	mg/L	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	1.1517	4/2*	1.1517	0.420 J	0.414 J
Fluoride - total	mg/L	8.0340	4/2*	4.0000	0.426 J	0.494 J
Nitrate N	mg/L	6.9750	10	6.9750	NA	NA
Nitrite N	mg/L	0.0192	1	0.0192	NA	NA
Sulfate	mg/L	55.7788	250*	55.7788	80.5	220
Bromate	mg/L	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA
Metals						
Boron Total	mg/L	0.7588884	NA	0.7588884	0.139 J	0.127
Lithium Total	mg/L	0.0231771	NA	0.0231771	0.0378 J	0.0485
Iron - dissolved	mg/L	0.0653436	0.3*	0.0653436	<0.0360	<0.0360
Iron Total	mg/L	0.0375500	0.3*	0.0375500	NA	0.0539 J
Aluminum Total	mg/L	0.1623503	0.05*	0.1623503	0.187	0.0512
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006477	0.010	0.0006477	<0.000530	<0.000530
Barium Total	mg/L	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001744	0.004	0.0001744	<0.000330	<0.000330
Cadmium Total	mg/L	0.0001037	0.005	0.0001037	NA	<0.000100
Chromium Total	mg/L	0.0013300	NA	0.0013300	NA	<0.00110
Chromium - Dissolved - VI	mg/L	0.0025150	0.1	0.0025150	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0002759	NA	0.0002759	0.000299 J	<0.000170
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0002030	0.015	0.0002030	NA	<0.000240
Magnesium Total	mg/L	15.4817821	NA	15.4817821	41.9	40.7
Manganese Total	mg/L	0.0057082	0.05*	0.0057082	0.0263	0.0124
Molybdenum Total	mg/L	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0013390	NA	0.0013390	<0.00190	<0.00190
Silver Total	mg/L	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1757100	NA	0.1757100	0.525	0.575
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0011735	NA	0.0011735	NA	NA
Zinc Total	mg/L	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-45					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	7.88	6.5-8.5*	6.5-8.5*	7.07	6.55
Specific Conductance	umhos/cm	2107.54	NA	2107.54	1879.1	3345.7
Temperature	°F	81.96	NA	81.96	52.86	86.43
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.7387	NA	2.7387	<3.10	<3.10
Benzene	ug/L	0.1440	5	0.1440	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	2.4738	NA	2.4738	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2892	5	0.2892	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0620	NA	1.0620	NA	NA
Xylenes Total	ug/L	0.2787	10000	0.2787	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2773	80	0.2773	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2575	5	0.2575	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	8.8606	NA	8.8606	<0.610	<0.610
Bromomethane	ug/L	1.1213	NA	1.1213	<1.10	<1.10
Dibromomethane	ug/L	0.2092	NA	0.2092	<0.330	<0.330
Methylene Chloride	ug/L	1.2238	5	1.2238	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6138	NA	1.6138	<2.10	<2.10
Iodomethane	ug/L	5.4215	NA	5.4215	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2418	NA	0.2418	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3432	NA	0.3432	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.6510	5	0.6510	<0.450	<0.450
Toluene	ug/L	0.3051	1000	0.3051	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2531	NA	0.2531	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4124	NA	0.4124	<0.590	<0.590
Vinyl acetate	ug/L	1.8231	NA	1.8231	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-45					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	1.1000	NA	1.1000	NA	NA
Nitrogen, Ammonia	mg/L	0.1607	NA	0.1607	0.491	0.527
COD, Block Digestor	mg/L	7.4647	NA	7.4647	12.2	6.12
Phenols	mg/L	0.2748	NA	0.2748	NA	<0.0100
Total Solids	mg/L	0.2250	NA	0.2250	NA	NA
TDS	mg/L	0.3250	500*	0.3250	NA	NA
TSS	mg/L	0.2000	NA	0.2000	NA	NA
Total Organic Halogens	mg/L	0.2866	NA	0.2866	NA	0.126
Anions						
Chloride	mg/L	15.9224	250*	15.9224	9.77	9.06
Sulfide	mg/L	0.6000	NA	0.6000	NA	NA
Fluoride - dissolved	mg/L	1.2393	4/2*	1.2393	0.415 J	0.517 J
Fluoride - total	mg/L	1.7991	4/2*	1.7991	<0.375	<0.375
Nitrate N	mg/L	0.1150	10	10	NA	NA
Nitrite N	mg/L	0.6176	1	0.6176	NA	NA
Sulfate	mg/L	1139.4168	250*	1139.4168	1980	2100
Bromate	mg/L	1.2503	0.01	0.01	NA	NA
Total Phosphorus	mg/L	0.2800	NA	0.2800	NA	NA
Metals						
Boron Total	mg/L	1.6073447	NA	1.6073447	0.424	0.482
Lithium Total	mg/L	0.5508691	NA	0.5508691	0.153	0.148
Iron - dissolved	mg/L	0.0992657	0.3*	0.0992657	0.227	0.318
Iron Total	mg/L	0.0397268	0.3*	0.0397268	NA	0.319
Aluminum Total	mg/L	0.0231569	0.05*	0.0231569	<0.0170	<0.0840
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006410	0.01	0.0006410	0.00252 J	0.00252
Barium Total	mg/L	0.0398150	2	0.0398150	NA	NA
Beryllium Total	mg/L	0.0001794	0.004	0.0001794	<0.000270	<0.000330
Cadmium Total	mg/L	0.0000949	0.005	0.0000949	NA	NA
Chromium Total	mg/L	0.0006636	NA	0.0006636	NA	NA
Chromium - Dissolved - VI	mg/L	0.0029756	0.1	0.0029756	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0001546	NA	0.0001546	0.00602	0.00554
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0001887	0.015	0.0001887	NA	<0.000260
Magnesium Total	mg/L	87.5539322	NA	87.5539322	150	154
Manganese Total	mg/L	0.0186561	0.05*	0.0186561	2.16	2.31
Molybdenum Total	mg/L	0.0086720	NA	0.0086720	NA	NA
Nickel Total	mg/L	0.0013330	NA	0.0013330	0.0114 J	0.00856 J
Silver Total	mg/L	0.0001597	0.1*	0.0001597	NA	NA
Strontium Total	mg/L	1.5728151	NA	1.5728151	2.34	2.44
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0012135	NA	0.0012135	NA	<0.00110
Zinc Total	mg/L	0.0073743	NA	0.0073743	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-46					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	8.38	6.5-8.5*	6.5-8.5*	6.55	5.73
Specific Conductance	umhos/cm	873.12	NA	873.12	604.2	1159.4
Temperature	°F	76.87	NA	76.87	45.03	69.22
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1957	5	0.1957	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2929	5	0.2929	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0302	NA	1.0302	<0.200	NA
Xylenes Total	ug/L	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-46					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0565	NA	0.0565	0.238	0.830
COD, Block Digestor	mg/L	6.5624	NA	6.5624	59.4	17.4
Phenols	mg/L	0.0094	NA	0.0094	NA	<0.0100
Total Solids	mg/L	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0598	NA	0.0598	NA	0.411
Anions						
Chloride	mg/L	10.2175	250*	10.2175	61.7	72.4
Sulfide	mg/L	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	1.1517	4/2*	1.1517	0.589 J	<0.375
Fluoride - total	mg/L	8.0340	4/2*	4.0000	0.709 J	<0.375
Nitrate N	mg/L	6.9750	10	6.9750	NA	0.542
Nitrite N	mg/L	0.0192	1	0.0192	NA	<0.0430
Sulfate	mg/L	55.7788	250*	55.7788	16.3	11.1
Bromate	mg/L	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA
Metals						
Boron Total	mg/L	0.7588884	NA	0.7588884	0.591	<0.0760
Lithium Total	mg/L	0.0231771	NA	0.0231771	<0.0240	0.00673 J
Iron - dissolved	mg/L	0.0653436	0.3*	0.0653436	0.0429 J	3.33
Iron Total	mg/L	0.0375500	0.3*	0.0375500	NA	7.92
Aluminum Total	mg/L	0.1623503	0.05*	0.1623503	0.182	<0.0210
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006477	0.01	0.0006477	0.00316	0.0147
Barium Total	mg/L	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001744	0.004	0.0001744	<0.000330	<0.000330
Cadmium Total	mg/L	0.0001037	0.005	0.0001037	NA	<0.000100
Chromium Total	mg/L	0.0013300	NA	0.0013300	NA	<0.00110
Chromium - Dissolved - VI	mg/L	0.0025150	0.1	0.0025150	NA	<0.0100
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0002759	NA	0.0002759	0.000810	0.00264
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0002030	0.015	0.0002030	NA	<0.000240
Magnesium Total	mg/L	15.4817821	NA	15.4817821	21.2	40.7
Manganese Total	mg/L	0.0057082	0.05*	0.0057082	0.572	2.08
Molybdenum Total	mg/L	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0013390	NA	0.0013390	0.00873	0.0210
Silver Total	mg/L	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1757100	NA	0.1757100	0.362	0.658
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0011735	NA	0.0011735	NA	0.00147 J
Zinc Total	mg/L	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-47					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	7.88	6.5-8.5*	6.5-8.5*	6.96	6.37
Specific Conductance	umhos/cm	2107.54	NA	2107.54	1033.70	3070.90
Temperature	°F	81.96	NA	81.96	51.22	76.69
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.7387	NA	2.7387	<3.10	<3.10
Benzene	ug/L	0.1440	5	0.1440	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	2.4738	NA	2.4738	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2892	5	0.2892	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0620	NA	1.0620	NA	NA
Xylenes Total	ug/L	0.2787	10000	0.2787	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2773	80	0.2773	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0.2	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0.05	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2575	5	0.2575	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	8.8606	NA	8.8606	<0.610	<0.610
Bromomethane	ug/L	1.1213	NA	1.1213	<1.10	<1.10
Dibromomethane	ug/L	0.2092	NA	0.2092	<0.330	<0.330
Methylene Chloride	ug/L	1.2238	5	1.2238	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6138	NA	1.6138	<2.10	<2.10
Iodomethane	ug/L	5.4215	NA	5.4215	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2418	NA	0.2418	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3432	NA	0.3432	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.6510	5	0.6510	<0.450	<0.450
Toluene	ug/L	0.3051	1000	0.3051	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2531	NA	0.2531	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4124	NA	0.4124	<0.590	<0.590
Vinyl acetate	ug/L	1.8231	NA	1.8231	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-47					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	1.1000	NA	1.1000	NA	NA
Nitrogen, Ammonia	mg/L	0.1607	NA	0.1607	0.562	0.671
COD, Block Digestor	mg/L	7.4647	NA	7.4647	14.1	11.8
Phenols	mg/L	0.2748	NA	0.2748	NA	<0.0100
Total Solids	mg/L	0.2250	NA	0.2250	NA	NA
TDS	mg/L	0.3250	500*	0.3250	NA	NA
TSS	mg/L	0.2000	NA	0.2000	NA	NA
Total Organic Halogens	mg/L	0.2866	NA	0.2866	NA	0.355
Anions						
Chloride	mg/L	15.9224	250*	15.9224	14.7	21.1
Sulfide	mg/L	0.6000	NA	0.6000	NA	NA
Fluoride - dissolved	mg/L	1.2393	4/2*	1.2393	1.260	0.923 J
Fluoride - total	mg/L	1.7991	4/2*	1.7991	<0.375	0.715 J
Nitrate N	mg/L	0.1150	10	10	NA	NA
Nitrite N	mg/L	0.6176	1	0.6176	NA	NA
Sulfate	mg/L	1139.4168	250*	1139.4168	1830	1050
Bromate	mg/L	1.2503	0.01	0.01	NA	NA
Total Phosphorus	mg/L	0.2800	NA	0.2800	NA	NA
Metals						
Boron Total	mg/L	1.6073447	NA	1.6073447	0.350	0.460
Lithium Total	mg/L	0.5508691	NA	0.5508691	0.0733	0.0826
Iron - dissolved	mg/L	0.0992657	0.3*	0.0992657	2.29	1.48
Iron Total	mg/L	0.0397268	0.3*	0.0397268	NA	3.54
Aluminum Total	mg/L	0.0231569	0.05*	0.0231569	<0.0680	<0.0840
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006410	0.01	0.0006410	0.0127	0.0169
Barium Total	mg/L	0.0398150	2	0.0398150	NA	NA
Beryllium Total	mg/L	0.0001794	0.004	0.0001794	<0.00132	<0.000330
Cadmium Total	mg/L	0.0000949	0.005	0.0000949	NA	<0.000100
Chromium Total	mg/L	0.0006636	NA	0.0006636	NA	<0.00110
Chromium - Dissolved - VI	mg/L	0.0029756	0.1	0.0029756	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0001546	NA	0.0001546	0.00172 J	0.00166 J
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0001887	0.015	0.0001887	NA	<0.000240
Magnesium Total	mg/L	87.5539322	NA	87.5539322	110	111
Manganese Total	mg/L	0.0186561	0.05*	0.0186561	1.37	1.48
Molybdenum Total	mg/L	0.0086720	NA	0.0086720	NA	NA
Nickel Total	mg/L	0.0013330	NA	0.0013330	0.0122 J	<0.00190
Silver Total	mg/L	0.0001597	0.1*	0.0001597	NA	NA
Strontium Total	mg/L	1.5728151	NA	1.5728151	1.61	1.71
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0012135	NA	0.0012135	NA	<0.00110
Zinc Total	mg/L	0.0073743	NA	0.0073743	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-48					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	8.38	6.5-8.5*	6.5-8.5*	6.53	7.08
Specific Conductance	umhos/cm	873.12	NA	873.12	894.6	1312.8
Temperature	°F	76.87	NA	76.87	44.24	67.26
Volatile Organic Compounds (VOCs)						
1,4-Dioxan	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.1982	NA	2.1982	<3.10	<3.10
Benzene	ug/L	0.1957	5	0.1957	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	1.9429	NA	1.9429	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2929	5	0.2929	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0302	NA	1.0302	NA	NA
Xylenes Total	ug/L	0.2834	10000	0.2834	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2784	80	0.2784	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2573	5	0.2573	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	0.3977	NA	0.3977	<0.610	<0.610
Bromomethane	ug/L	0.7952	NA	0.7952	<1.10	<1.10
Dibromomethane	ug/L	0.2114	NA	0.2114	<0.330	<0.330
Methylene Chloride	ug/L	1.2296	5	1.2296	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6309	NA	1.6309	<2.10	<2.10
Iodomethane	ug/L	5.4159	NA	5.4159	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2425	NA	0.2425	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3493	NA	0.3493	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.3270	5	0.3270	<0.450	<0.450
Toluene	ug/L	0.3015	1000	0.3015	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2549	NA	0.2549	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4186	NA	0.4186	<0.590	<0.590
Vinyl acetate	ug/L	1.7939	NA	1.7939	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-48					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	0.0000	NA	0.0000	NA	NA
Nitrogen, Ammonia	mg/L	0.0565	NA	0.0565	<0.100	<0.100
COD, Block Digestor	mg/L	6.5624	NA	6.5624	12.9	9.10
Phenols	mg/L	0.0094	NA	0.0094	NA	<0.0100
Total Solids	mg/L	0.0000	NA	0.0000	NA	NA
TDS	mg/L	0.0000	500*	0.0000	NA	NA
TSS	mg/L	0.0000	NA	0.0000	NA	NA
Total Organic Halogens	mg/L	0.0598	NA	0.0598	NA	0.122
Anions						
Chloride	mg/L	10.2175	250*	10.2175	190	269
Sulfide	mg/L	NA	NA	NA	NA	NA
Fluoride - dissolved	mg/L	1.1517	4/2*	1.1517	<0.375	0.555 J
Fluoride - total	mg/L	8.0340	4/2*	4.0000	<0.375	<0.375
Nitrate N	mg/L	6.9750	10	6.9750	NA	NA
Nitrite N	mg/L	0.0192	1	0.0192	NA	NA
Sulfate	mg/L	55.7788	250*	55.7788	26.6	27.3
Bromate	mg/L	NA	0.01	0.01	NA	NA
Total Phosphorus	mg/L	NA	NA	NA	NA	NA
Metals						
Boron Total	mg/L	0.7588884	NA	0.7588884	0.278	0.405
Lithium Total	mg/L	0.0231771	NA	0.0231771	<0.0240	0.0181
Iron - dissolved	mg/L	0.0653436	0.3*	0.0653436	<0.0360	0.106
Iron Total	mg/L	0.0375500	0.3*	0.0375500	NA	0.225
Aluminum Total	mg/L	0.1623503	0.05*	0.1623503	<0.0170	<0.0210
Antimony Total	mg/L	0.0005525	0.0060	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006477	0.0100	0.0006477	0.00116 J	0.00120 J
Barium Total	mg/L	0.1449499	2	0.1449499	NA	NA
Beryllium Total	mg/L	0.0001744	0.004	0.0001744	<0.000330	<0.000330
Cadmium Total	mg/L	0.0001037	0.005	0.0001037	NA	<0.000100
Chromium Total	mg/L	0.0013300	NA	0.0013300	NA	<0.00110
Chromium - Dissolved - VI	mg/L	0.0025150	0.1	0.0025150	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0002759	NA	0.0002759	0.000941	0.00127
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0002030	0.015	0.0002030	NA	<0.000240
Magnesium Total	mg/L	15.4817821	NA	15.4817821	25.8	30.4
Manganese Total	mg/L	0.0057082	0.05*	0.0057082	0.107	0.168
Molybdenum Total	mg/L	0.0062059	NA	0.0062059	NA	NA
Nickel Total	mg/L	0.0013390	NA	0.0013390	0.00368 J	0.00360 J
Silver Total	mg/L	0.0001639	0.1*	0.0001639	NA	NA
Strontium Total	mg/L	0.1757100	NA	0.1757100	0.367	0.518
Thallium Total	mg/L	0.0003273	0.0020	0.0003273	NA	NA
Vanadium Total	mg/L	0.0011735	NA	0.0011735	NA	<0.00110
Zinc Total	mg/L	0.0335609	NA	0.0335609	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-49					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
Field Readings						
pH	s.u	7.88	6.5-8.5*	6.5-8.5*	6.87	7.63
Specific Conductance	umhos/cm	2107.54	NA	2107.54	2754.1	3114.7
Temperature	°F	81.96	NA	81.96	41.40	73.15
Volatile Organic Compounds (VOCs)						
1,4-Dioxane	ug/L	31.7350	NA	31.7350	<34.0	<34.0
Acetone	ug/L	2.7387	NA	2.7387	<3.10	<3.10
Benzene	ug/L	0.1440	5	0.1440	<0.220	<0.220
n-Butylbenzene	ug/L	0.2416	NA	0.2416	<0.440	<0.440
1,2,4-Trimethylbenzene	ug/L	0.2780	NA	0.2780	<0.420	<0.420
1,1-Dichloroethane	ug/L	0.1131	NA	0.1131	<0.220	<0.220
1,3,5-Trimethylbenzene	ug/L	0.2375	NA	0.2375	<0.370	<0.370
cis-1,2-Dichloroethene	ug/L	0.1297	70	0.1297	<0.210	<0.210
trans-1,2-Dichloroethene	ug/L	0.1535	100	0.1535	<0.270	<0.270
2-Butanone (MEK)	ug/L	2.4738	NA	2.4738	<2.10	<2.10
Tetrachloroethene	ug/L	0.3327	5	0.3327	<0.480	<0.480
1,1,1-Trichloroethane	ug/L	0.1166	200	0.1166	<0.190	<0.190
Trichloroethylene	ug/L	0.2892	5	0.2892	<0.430	<0.430
Vinyl Chloride	ug/L	0.2464	2	0.2464	<0.180	<0.180
Naphthalene	ug/L	1.0620	NA	1.0620	<0.200	NA
Xylenes Total	ug/L	0.2787	10000	0.2787	<0.400	<0.400
Acrylonitrile	ug/L	1.6161	NA	1.6161	<2.20	<2.20
Bromochloromethane	ug/L	0.3998	NA	0.3998	<0.540	<0.540
Bromodichloromethane	ug/L	0.2773	80	0.2773	<0.390	<0.390
Bromoform	ug/L	0.5878	80	0.5878	<0.780	<0.780
Carbon disulfide	ug/L	0.3177	NA	0.3177	<0.450	<0.450
Carbon tetrachloride	ug/L	0.4517	5	0.4517	<0.650	<0.650
Chlorobenzene	ug/L	0.2649	100	0.2649	<0.400	<0.400
Chloroethane	ug/L	0.5928	NA	0.5928	<0.790	<0.790
Chloroform	ug/L	0.9652	80	0.9652	<1.30	<1.30
Chlorodibromomethane	ug/L	0.5450	80	0.5450	<0.750	<0.750
1,2-Dibromo-3-Chloropropane	ug/L	0.8163	0	0.2000	<1.20	<1.20
1,2-Dibromoethane (EDB)	ug/L	0.2349	0	0.0500	<0.340	<0.340
1,2-Dichlorobenzene	ug/L	0.2561	600	0.2561	<0.370	<0.370
1,4-Dichlorobenzene	ug/L	0.1243	75	0.1243	<0.230	<0.230
trans-1,4-Dichloro-2-butene	ug/L	0.8497	NA	0.8497	<1.10	<1.10
1,2-Dichloroethane	ug/L	0.2575	5	0.2575	<0.390	<0.390
1,1-Dichloroethene	ug/L	0.4067	7	0.4067	<0.560	<0.560
trans-1,3-Dichloropropene	ug/L	0.3851	NA	0.3851	<0.560	<0.560
cis-1,3-Dichloropropene	ug/L	0.1559	NA	0.1559	<0.250	<0.250
1,2-Dichloropropane	ug/L	0.4871	5	0.4871	<0.270	<0.270
2-Hexanone	ug/L	1.5562	NA	1.5562	<2.00	<2.00
Ethylbenzene	ug/L	0.1859	700	0.1859	<0.310	<0.310
Chloromethane	ug/L	8.8606	NA	8.8606	<0.610	<0.610
Bromomethane	ug/L	1.1213	NA	1.1213	<1.10	<1.10
Dibromomethane	ug/L	0.2092	NA	0.2092	<0.330	<0.330
Methylene Chloride	ug/L	1.2238	5	1.2238	<1.70	<1.70
4-Methyl-2-pentanone (MIBK)	ug/L	1.6138	NA	1.6138	<2.10	<2.10
Iodomethane	ug/L	5.4215	NA	5.4215	<7.00	<7.00
Styrene	ug/L	0.2684	100	0.2684	<0.370	<0.370
1,1,1,2-Tetrachloroethane	ug/L	0.2418	NA	0.2418	<0.380	<0.380
1,1,2,2-Tetrachloroethane	ug/L	0.3432	NA	0.3432	<0.470	<0.470
1,1,2-Trichloroethane	ug/L	0.6510	5	0.6510	<0.450	<0.450
Toluene	ug/L	0.3051	1000	0.3051	<0.430	<0.430
Trichlorofluoromethane	ug/L	0.2531	NA	0.2531	<0.380	<0.380
1,2,3-Trichloropropane	ug/L	0.4124	NA	0.4124	<0.590	<0.590
Vinyl acetate	ug/L	1.8231	NA	1.8231	<2.50	<2.50
Isopropylbenzene	ug/L	0.2244	NA	0.2244	<0.350	<0.350

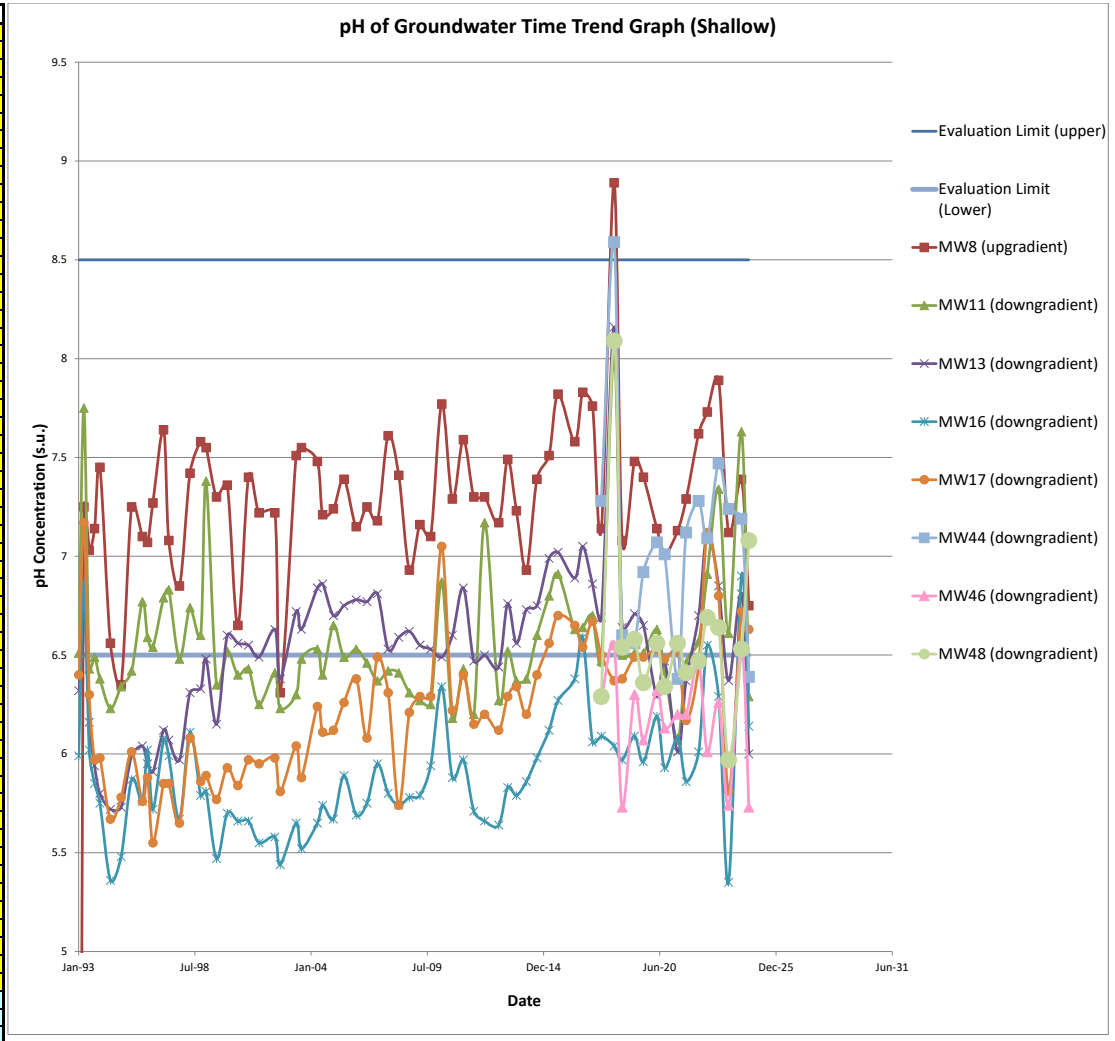
Exception Reports
2024 Analytical Results
WDC Acquistition LLC Landfill
Creston, Iowa

MW-49					Sample I.D. and Date	
Parameter	Units	Up. Limit	MCL/SMCL*	Eval. Limit	1Q24	3Q24
General Chemistry						
BOD	mg/L	1.1000	NA	1.1000	NA	NA
Nitrogen, Ammonia	mg/L	0.1607	NA	0.1607	2.20	2.19
COD, Block Digestor	mg/L	7.4647	NA	7.4647	17.7	12.7
Phenols	mg/L	0.2748	NA	0.2748	NA	<0.0100
Total Solids	mg/L	0.2250	NA	0.2250	NA	NA
TDS	mg/L	0.3250	500*	0.3250	NA	NA
TSS	mg/L	0.2000	NA	0.2000	NA	NA
Total Organic Halogens	mg/L	0.2866	NA	0.2866	NA	0.105
Anions						
Chloride	mg/L	15.9224	250*	15.9224	18.7	15.7
Sulfide	mg/L	0.6000	NA	0.6000	NA	NA
Fluoride - dissolved	mg/L	1.2393	4/2*	1.2393	<0.375	<0.375
Fluoride - total	mg/L	1.7991	4/2*	1.7991	<0.375	<0.375
Nitrate N	mg/L	0.1150	10	10	NA	NA
Nitrite N	mg/L	0.6176	1	0.6176	NA	NA
Sulfate	mg/L	1139.4168	250*	1139.4168	1990	1880
Bromate	mg/L	1.2503	0.01	0.01	NA	NA
Total Phosphorus	mg/L	0.2800	NA	0.2800	NA	NA
Metals						
Boron Total	mg/L	1.6073447	NA	1.6073447	0.497	0.568
Lithium Total	mg/L	0.5508691	NA	0.5508691	0.0912	0.0956
Iron - dissolved	mg/L	0.0992657	0.3*	0.0992657	8.06	8.27
Iron Total	mg/L	0.0397268	0.3*	0.0397268	NA	10.4
Aluminum Total	mg/L	0.0231569	0.05*	0.0231569	0.266	0.367
Antimony Total	mg/L	0.0005525	0.006	0.0005525	NA	NA
Arsenic Total	mg/L	0.0006410	0.010	0.0006410	0.00853	0.0126
Barium Total	mg/L	0.0398150	2	0.0398150	NA	NA
Beryllium Total	mg/L	0.0001794	0.004	0.0001794	0.000288J	<0.000330
Cadmium Total	mg/L	0.0000949	0.005	0.0000949	NA	<0.000100
Chromium Total	mg/L	0.0006636	NA	0.0006636	NA	0.00121 J
Chromium - Dissolved - VI	mg/L	0.0029756	0.1	0.0029756	NA	NA
Chromium - Dissolved - Tri	mg/L	0.0100000	0.1	0.0100000	NA	NA
Cobalt Total	mg/L	0.0001546	NA	0.0001546	0.00125 J	0.00166
Copper Total	mg/L	0.0013773	1.3/1*	0.0013773	NA	NA
Lead Total	mg/L	0.0001887	0.015	0.0001887	NA	0.00268
Magnesium Total	mg/L	87.5539322	NA	87.5539322	74.8	132
Manganese Total	mg/L	0.0186561	0.05*	0.0186561	0.751	1.24
Molybdenum Total	mg/L	0.0086720	NA	0.0086720	NA	NA
Nickel Total	mg/L	0.0013330	NA	0.0013330	<0.00760	<0.00840
Silver Total	mg/L	0.0001597	0.1*	0.0001597	NA	NA
Strontium Total	mg/L	1.5728151	NA	1.5728151	1.25	2.40
Thallium Total	mg/L	0.0003273	0.002	0.0003273	NA	NA
Vanadium Total	mg/L	0.0012135	NA	0.0012135	NA	0.00242 J
Zinc Total	mg/L	0.0073743	NA	0.0073743	NA	NA

Notes:
Means and standard deviations correspond to data from 2016 to present.
Upper Limit = Mean plus two standard deviations.
Evaluation Limit = Lesser value of either upper limit or MCL.
NA = Sample not analyzed for parameter or data not available.
SMCL's not included in determination of evaluation limits, except pH.
One half of < values used in statistical calculations.
Estimated (J) values used in statistical calculations.
Legend:
Reported value exceeds evaluation limit.

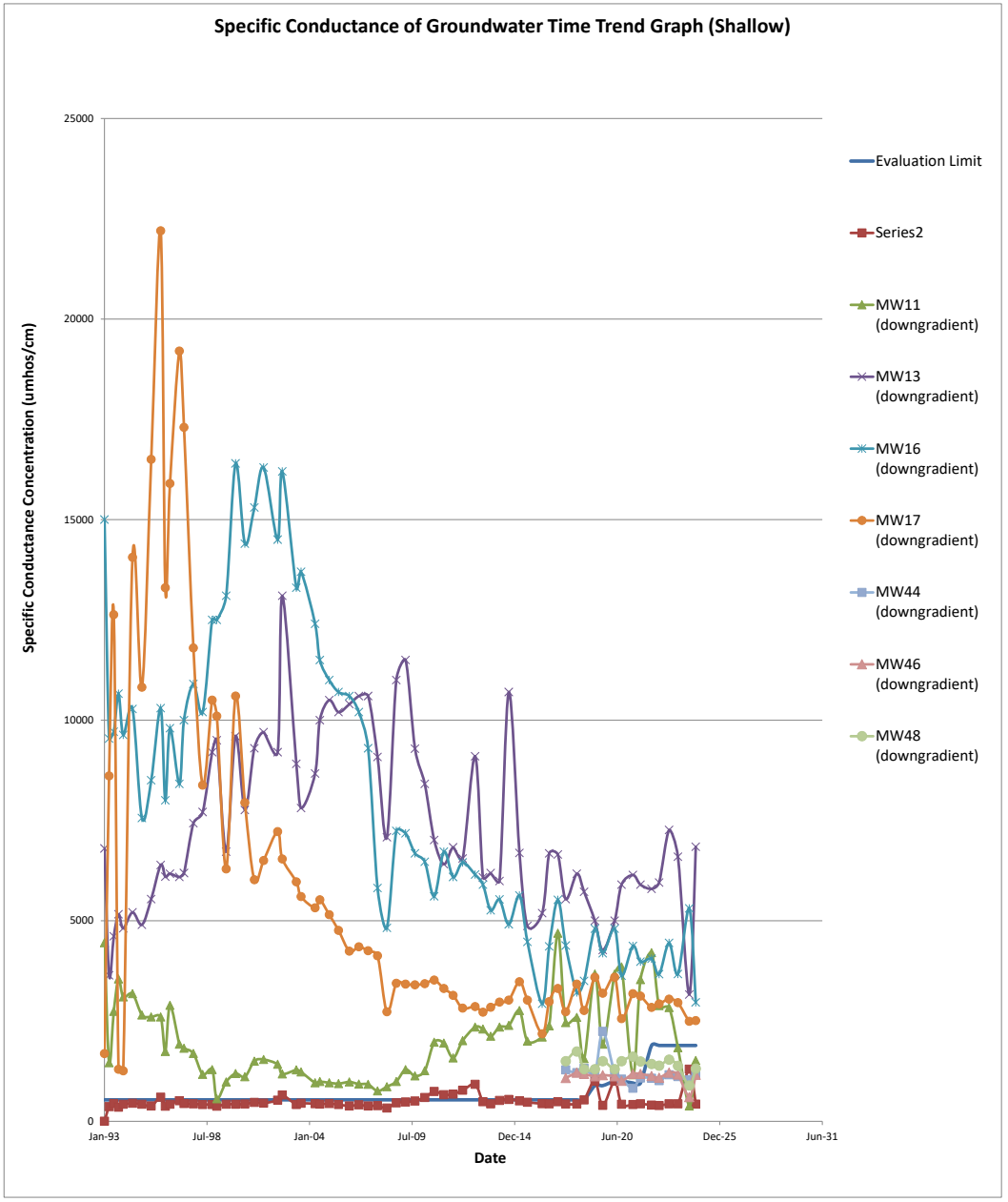
Time Trend Graphs

Date	Eval Limits		MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	6.5	8.5	NA	6.51	6.32	5.99	6.4	NA	NA	NA
May-93	6.5	8.5	7.25	7.75	6.78	6.87	7.17	NA	NA	NA
Aug-93	6.5	8.5	7.03	6.43	6.16	6.02	6.3	NA	NA	NA
Nov-93	6.5	8.5	7.14	6.49	5.94	5.85	5.97	NA	NA	NA
Feb-94	6.5	8.5	7.45	6.38	5.8	5.75	5.98	NA	NA	NA
Aug-94	6.5	8.5	6.56	6.23	5.72	5.36	5.67	NA	NA	NA
Feb-95	6.5	8.5	6.35	6.34	5.73	5.48	5.78	NA	NA	NA
Aug-95	6.5	8.5	7.25	6.42	5.99	5.87	6.01	NA	NA	NA
Feb-96	6.5	8.5	7.1	6.77	6.04	5.76	5.76	NA	NA	NA
May-96	6.5	8.5	7.07	6.59	5.95	6.02	5.88	NA	NA	NA
Aug-96	6.5	8.5	7.27	6.54	5.91	5.72	5.55	NA	NA	NA
Feb-97	6.5	8.5	7.64	6.79	6.12	6.07	5.85	NA	NA	NA
May-97	6.5	8.5	7.08	6.83	6.07	5.99	5.85	NA	NA	NA
Nov-97	6.5	8.5	6.85	6.48	5.97	5.67	5.65	NA	NA	NA
May-98	6.5	8.5	7.42	6.74	6.31	6.11	6.08	NA	NA	NA
Nov-98	6.5	8.5	7.58	6.6	6.33	5.79	5.86	NA	NA	NA
Feb-99	6.5	8.5	7.55	7.38	6.48	5.81	5.89	NA	NA	NA
Aug-99	6.5	8.5	7.3	6.35	6.15	5.47	5.77	NA	NA	NA
Feb-00	6.5	8.5	7.36	6.52	6.6	5.7	5.93	NA	NA	NA
Aug-00	6.5	8.5	6.65	6.4	6.56	5.66	5.84	NA	NA	NA
Feb-01	6.5	8.5	7.4	6.43	6.55	5.66	5.97	NA	NA	NA
Aug-01	6.5	8.5	7.22	6.25	6.49	5.55	5.95	NA	NA	NA
May-02	6.5	8.5	7.22	6.41	6.63	5.58	5.98	NA	NA	NA
Aug-02	6.5	8.5	6.31	6.23	6.38	5.44	5.81	NA	NA	NA
May-03	6.5	8.5	7.51	6.3	6.72	5.65	6.04	NA	NA	NA
Aug-03	6.5	8.5	7.55	6.48	6.63	5.52	5.88	NA	NA	NA
May-04	6.5	8.5	7.48	6.53	6.84	5.65	6.24	NA	NA	NA
Aug-04	6.5	8.5	7.21	6.4	6.86	5.74	6.11	NA	NA	NA
Feb-05	6.5	8.5	7.24	6.65	6.7	5.67	6.12	NA	NA	NA
Aug-05	6.5	8.5	7.39	6.49	6.75	5.89	6.26	NA	NA	NA
Mar-06	6.5	8.5	7.15	6.53	6.78	5.69	6.38	NA	NA	NA
Sep-06	6.5	8.5	7.25	6.46	6.77	5.75	6.08	NA	NA	NA
Mar-07	6.5	8.5	7.18	6.37	6.81	5.95	6.49	NA	NA	NA
Sep-07	6.5	8.5	7.61	6.42	6.53	5.8	6.31	NA	NA	NA
Mar-08	6.5	8.5	7.41	6.41	6.59	5.74	5.74	NA	NA	NA
Sep-08	6.5	8.5	6.93	6.31	6.62	5.78	6.21	NA	NA	NA
Mar-09	6.5	8.5	7.16	6.27	6.55	5.79	6.29	NA	NA	NA
Sep-09	6.5	8.5	7.1	6.25	6.53	5.94	6.29	NA	NA	NA
Mar-10	6.5	8.5	7.77	6.87	6.49	6.34	7.05	NA	NA	NA
Sep-10	6.5	8.5	7.29	6.18	6.6	5.88	6.22	NA	NA	NA
Mar-11	6.5	8.5	7.59	6.43	6.84	5.97	6.4	NA	NA	NA
Sep-11	6.5	8.5	7.3	6.2	6.47	5.71	6.15	NA	NA	NA
Mar-12	6.5	8.5	7.3	7.17	6.5	5.66	6.2	NA	NA	NA
Nov-12	6.5	8.5	7.17	6.27	6.44	5.64	6.12	NA	NA	NA
Apr-13	6.5	8.5	7.49	6.52	6.76	5.83	6.29	NA	NA	NA
Sep-13	6.5	8.5	7.23	6.37	6.56	5.79	6.34	NA	NA	NA
Mar-14	6.5	8.5	6.93	6.38	6.73	5.86	6.2	NA	NA	NA
Sep-14	6.5	8.5	7.39	6.6	6.75	5.98	6.4	NA	NA	NA
Mar-15	6.5	8.5	7.51	6.8	6.99	6.12	6.56	NA	NA	NA
Sep-15	6.5	8.5	7.82	6.91	7.02	6.27	6.7	NA	NA	NA
Jun-16	6.5	8.5	7.58	6.63	6.89	6.38	6.65	NA	NA	NA
Oct-16	6.5	8.5	7.83	6.64	7.05	6.59	6.54	NA	NA	NA
Apr-17	6.5	8.5	7.76	6.70	6.86	6.06	6.67	NA	NA	NA
Sep-17	6.5	8.5	7.14	6.47	6.69	6.09	6.50	7.28	6.28	6.29
Apr-18	6.5	8.5	8.89	8.02	8.16	6.04	6.37	8.59	6.55	8.09
Sep-18	6.5	8.5	7.08	6.5	6.64	5.97	6.38	6.6	5.73	6.54
Apr-19	6.5	8.5	7.48	6.51	6.71	6.09	6.49	6.56	6.3	6.58
Sep-19	6.5	8.5	7.4	6.51	6.65	5.96	6.49	6.92	6.07	6.36
Apr-20	6.5	8.5	7.14	6.63	6.29	6.19	6.53	7.07	6.32	6.56
Sep-20	6.5	8.5	7.01	6.42	6.47	5.93	6.48	7.01	6.13	6.34
Apr-21	6.5	8.5	7.13	6.07	6.01	6.08	6.52	6.38	6.20	6.56
Sep-21	6.5	8.5	7.29	6.46	6.37	5.86	6.17	7.12	6.20	6.41
Apr-22	6.5	8.5	7.62	6.57	6.7	6.01	6.45	7.28	6.46	6.47
Sep-22	6.5	8.5	7.73	6.91	7.12	6.55	7.12	7.09	6.01	6.69
Mar-23	6.5	8.5	7.89	7.34	6.85	6.29	6.80	7.47	6.26	6.64
Sep-23	6.5	8.5	7.12	6.61	6.37	5.35	5.81	7.24	5.74	5.97
Apr-24	6.5	8.5	7.39	7.63	6.81	6.9	6.72	7.19	6.55	6.53
Aug-24	6.5	8.5	6.75	6.29	6.00	6.14	6.63	6.39	5.73	7.08



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

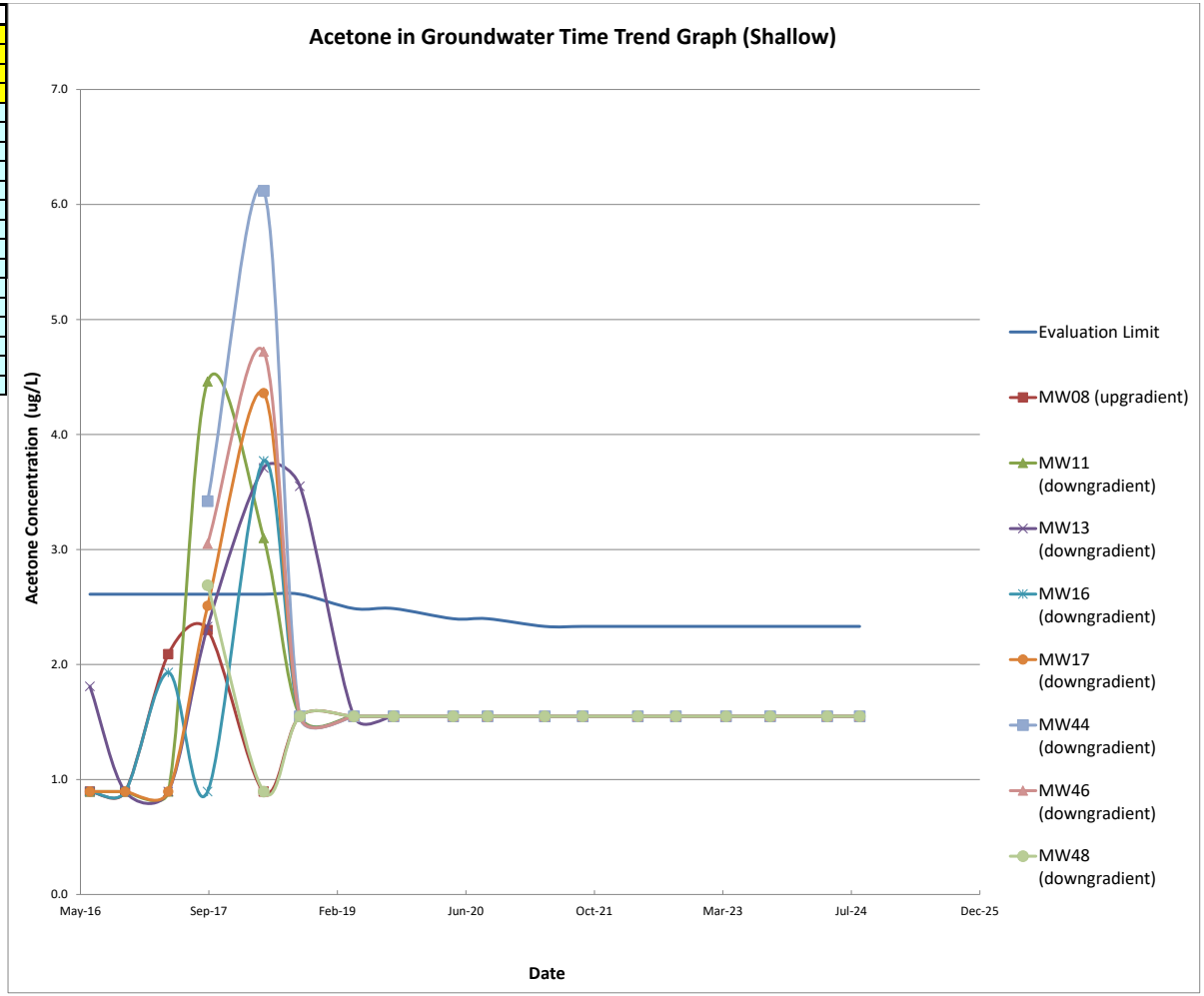
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	535.49	NA	4450	6800	15000	1687	NA	NA	NA
May-93	535.49	365	1459	3640	9540	8610	NA	NA	NA
Aug-93	535.49	443	2740	4610	9710	12630	NA	NA	NA
Nov-93	535.49	350	3550	5160	10660	1294	NA	NA	NA
Feb-94	535.49	423	3100	4810	9630	1258	NA	NA	NA
Aug-94	535.49	450	3180	5210	10280	14060	NA	NA	NA
Feb-95	535.49	425	2650	4900	7560	10820	NA	NA	NA
Aug-95	535.49	382	2600	5540	8500	16500	NA	NA	NA
Feb-96	535.49	601	2600	6390	10300	22200	NA	NA	NA
May-96	535.49	377	1740	6100	8000	13300	NA	NA	NA
Aug-96	535.49	423	2890	6170	9800	15900	NA	NA	NA
Feb-97	535.49	513	1920	6090	8410	19200	NA	NA	NA
May-97	535.49	443	1820	6190	10000	17300	NA	NA	NA
Nov-97	535.49	436	1690	7430	10900	11800	NA	NA	NA
May-98	535.49	418	1170	7710	10200	8380	NA	NA	NA
Nov-98	535.49	416	1290	9200	12500	10500	NA	NA	NA
Feb-99	535.49	377	562	9500	12500	10100	NA	NA	NA
Aug-99	535.49	425	980	6720	13100	6290	NA	NA	NA
Feb-00	535.49	423	1190	9600	16400	10600	NA	NA	NA
Aug-00	535.49	431	1110	7760	14400	7940	NA	NA	NA
Feb-01	535.49	469	1500	9300	15300	6020	NA	NA	NA
Aug-01	535.49	453	1540	9700	16300	6500	NA	NA	NA
May-02	535.49	525	1420	9200	14500	7220	NA	NA	NA
Aug-02	535.49	654	1180	13100	16200	6540	NA	NA	NA
May-03	535.49	416	1280	8910	13300	5970	NA	NA	NA
Aug-03	535.49	449	1230	7810	13700	5600	NA	NA	NA
May-04	535.49	438	960	8670	12400	5320	NA	NA	NA
Aug-04	535.49	427	990	10000	11500	5520	NA	NA	NA
Feb-05	535.49	442	960	10500	11000	5150	NA	NA	NA
Aug-05	535.49	417	940	10200	10700	4760	NA	NA	NA
Mar-06	535.49	384	980	10400	10600	4240	NA	NA	NA
Sep-06	535.49	409	930	10600	10200	4350	NA	NA	NA
Mar-07	535.49	381	920	10600	9300	4250	NA	NA	NA
Sep-07	535.49	388	756	9082	5814	4126	NA	NA	NA
Mar-08	535.49	329	863	7081	4823	2729	NA	NA	NA
Sep-08	535.49	458	990	11000	7240	3440	NA	NA	NA
Mar-09	535.49	481	1290	11500	7180	3420	NA	NA	NA
Sep-09	535.49	506	1130	9290	6680	3400	NA	NA	NA
Mar-10	535.49	592	1260	8410	6470	3430	NA	NA	NA
Sep-10	535.49	742	1970	7010	5610	3520	NA	NA	NA
Mar-11	535.49	662	1950	6410	6720	3310	NA	NA	NA
Sep-11	535.49	676	1580	6830	6090	3140	NA	NA	NA
Mar-12	535.49	775	2010	6550	6450	2820	NA	NA	NA
Nov-12	535.49	920	2350	9100	6150	2860	NA	NA	NA
Apr-13	535.49	487	2300	6080	5900	2720	NA	NA	NA
Sep-13	535.49	436	2120	6190	5260	2840	NA	NA	NA
Mar-14	535.49	519	2350	5990	5530	2970	NA	NA	NA
Sep-14	535.49	545	2390	10700	4910	3020	NA	NA	NA
Mar-15	535.49	507	2760	6690	5630	3480	NA	NA	NA
Sep-15	535.49	475	2000	4870	4470	3020	NA	NA	NA
Jun-16	535.49	438	2100	5190	2930	2180	NA	NA	NA
Oct-16	535.49	435	2380	6680	4360	2980	NA	NA	NA
Apr-17	535.49	488	4690	6650	5520	3310	NA	NA	NA
Sep-17	535.49	431	2460	5540	4380	2730	1280	1080	1500
Apr-18	535.49	432	2590	6170	3210	3420	1210	1210	1740
Sep-18	535.49	532	1560	5720	3500	2760	1320	1180	1300
Apr-19	890.12	999	3670	5000	4800	3590	1200	1120	1300
Sep-19	890.12	395	1920	4270	4190	3190	2240	1150	1500
Apr-20	1004.76	999	3670	5000	4800	3590	1200	1120	1300
Sep-20	1004.76	425	3850	5900	3630	2560	1050	1010	1500
Apr-21	955.54	416	1160	6140	4370	3180	824	1180	1610
Sep-21	955.54	436	3530	5900	3980	3120	1080	1180	1490
Apr-22	1890.65	403	4201	5793	4052	2838	1071	1128	1427
Sep-22	1890.65	392	2883	5953	3667	2925	1012	1087	1386
Mar-23	1890.65	433.52	2835.2	7261.4	4448.5	3044.6	1158.2	1210.8	1535.3
Sep-23	1890.65	435.75	1834.65	6594.0	3671.8	2956.0	1113.0	1164.5	1382.7
Apr-24	1890.65	1300.4	382.5	3161.4	5308.2	2492.7	1035.1	604.17	894.64
Aug-24	1890.65	427.57	1515.8	6842.1	2962.6	2508.3	1161.9	1159.4	1312.8



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

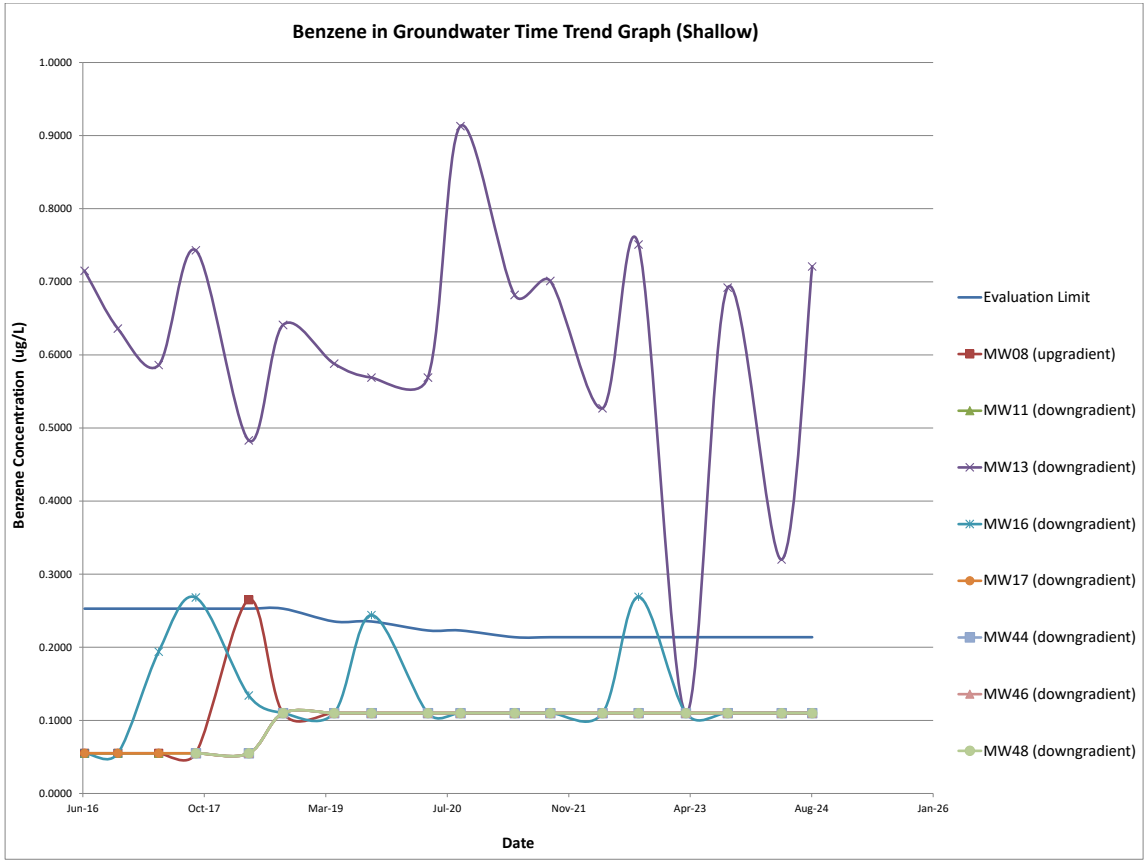
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	2.611	0.895	0.895	1.81	0.895	0.895	NA	NA	NA
Oct-16	2.611	0.895	0.895	0.895	0.895	0.895	NA	NA	NA
Apr-17	2.611	2.09	0.895	0.895	1.93	0.895	NA	NA	NA
Sep-17	2.611	2.30	4.46	2.33	0.895	2.51	3.42	3.05	2.69
Apr-18	2.611	0.90	3.1	3.71	3.77	4.36	6.12	4.72	0.895
Sep-18	2.611	1.55	1.55	3.55	1.55	1.55	1.55	1.55	1.55
Apr-19	2.487	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Sep-19	2.487	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Apr-20	2.398	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Sep-20	2.398	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Apr-21	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Sep-21	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Apr-22	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Sep-22	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Mar-23	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Sep-23	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Apr-24	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Aug-24	2.331	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



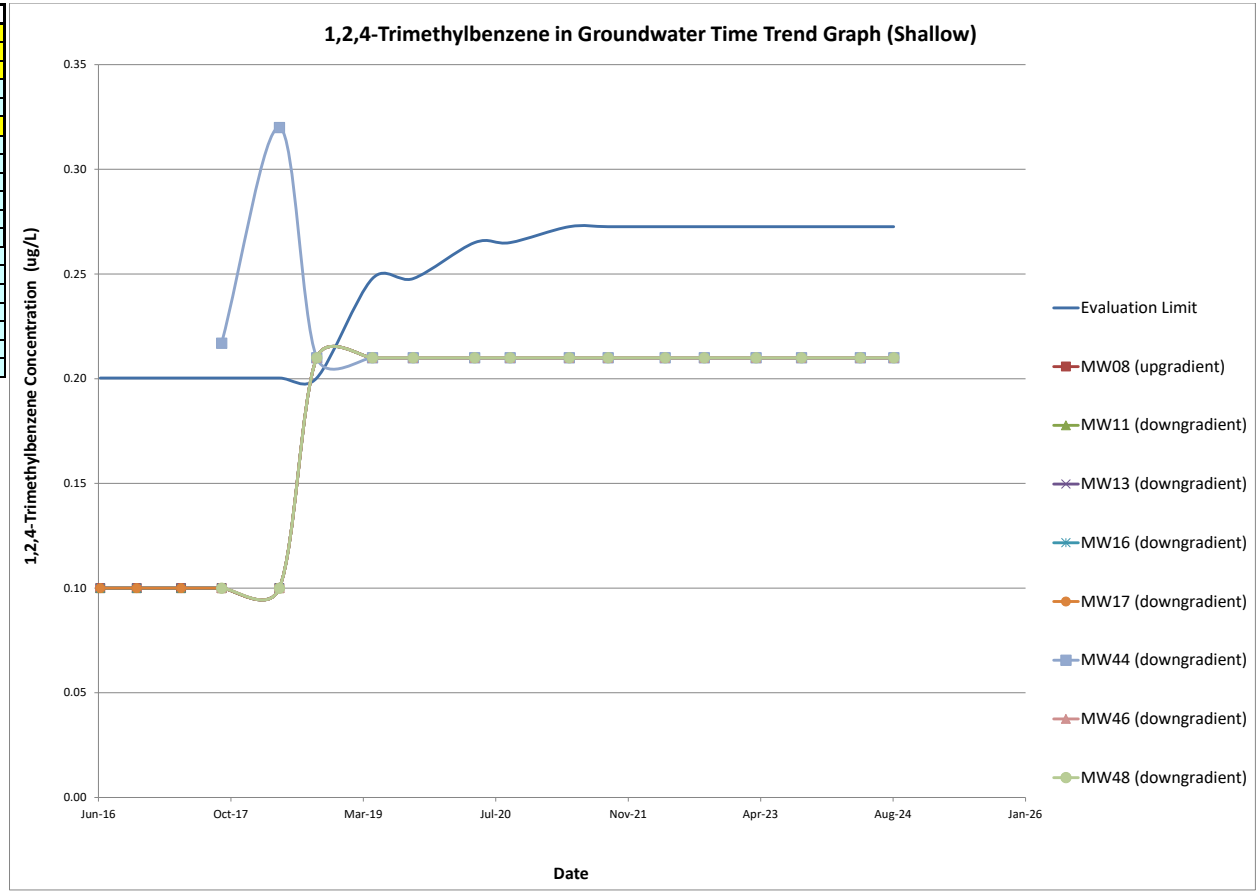
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2528	0.055	0.055	0.715	0.055	0.055	NA	NA	NA
Oct-16	0.2528	0.055	0.055	0.636	0.055	0.055	NA	NA	NA
Apr-17	0.2528	0.055	0.055	0.586	0.194	0.055	NA	NA	NA
Sep-17	0.2528	0.055	0.055	0.743	0.268	0.055	0.055	0.055	0.055
Apr-18	0.2528	0.265	0.055	0.483	0.134	0.055	0.055	0.055	0.055
Sep-18	0.2528	0.110	0.110	0.641	0.110	0.110	0.110	0.110	0.110
Apr-19	0.2353	0.110	0.110	0.588	0.110	0.110	0.110	0.110	0.110
Sep-19	0.2353	0.110	0.110	0.569	0.244	0.110	0.110	0.110	0.110
Apr-20	0.2230	0.110	0.110	0.569	0.110	0.110	0.110	0.110	0.110
Sep-20	0.2230	0.110	0.110	0.913	0.110	0.110	0.110	0.110	0.110
Apr-21	0.2138	0.110	0.110	0.682	0.110	0.110	0.110	0.110	0.110
Sep-21	0.2138	0.110	0.110	0.701	0.110	0.110	0.110	0.110	0.110
Apr-22	0.2138	0.110	0.110	0.527	0.110	0.110	0.110	0.110	0.110
Sep-22	0.2138	0.110	0.110	0.751	0.269	0.110	0.110	0.110	0.110
Mar-23	0.2138	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
Sep-23	0.2138	0.110	0.110	0.692	0.110	0.110	0.110	0.110	0.110
Apr-24	0.2138	0.110	0.110	0.32	0.110	0.110	0.110	0.110	0.110
Aug-24	0.2138	0.110	0.110	0.721	0.110	0.110	0.110	0.110	0.110

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



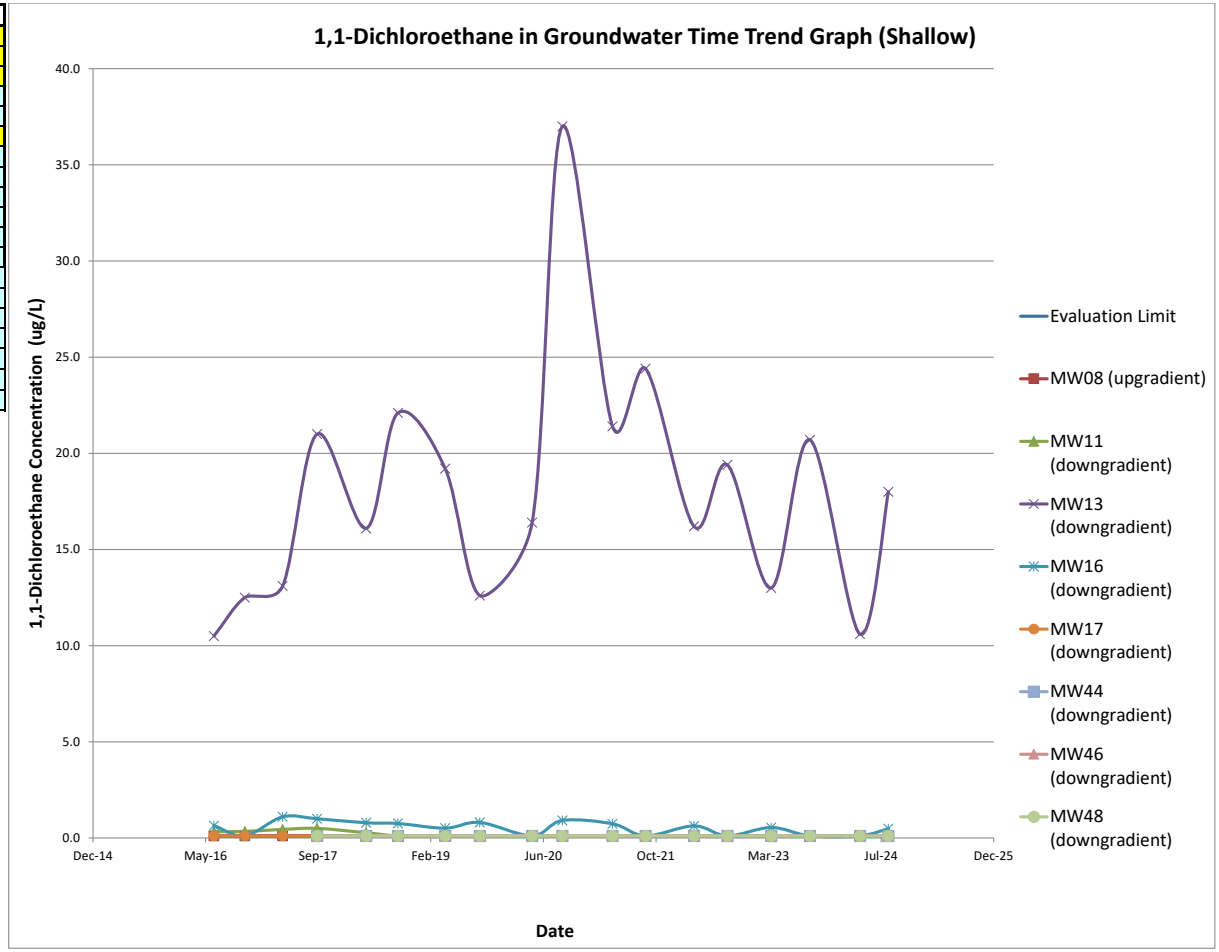
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2003	0.100	0.100	0.100	0.100	0.100	NA	NA	NA
Oct-16	0.2003	0.100	0.100	0.100	0.100	0.100	NA	NA	NA
Apr-17	0.2003	0.100	0.100	0.100	0.100	0.100	NA	NA	NA
Sep-17	0.2003	0.100	0.100	0.100	0.100	0.100	0.217	0.100	0.100
Apr-18	0.2003	0.100	0.100	0.100	0.100	0.100	0.320	0.100	0.100
Sep-18	0.2003	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Apr-19	0.2478	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Sep-19	0.2478	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Apr-20	0.2650	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Sep-20	0.2650	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Apr-21	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Sep-21	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Apr-22	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Sep-22	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Mar-23	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Sep-23	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Apr-24	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210
Aug-24	0.2726	0.210	0.210	0.210	0.210	0.210	0.210	0.210	0.210

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



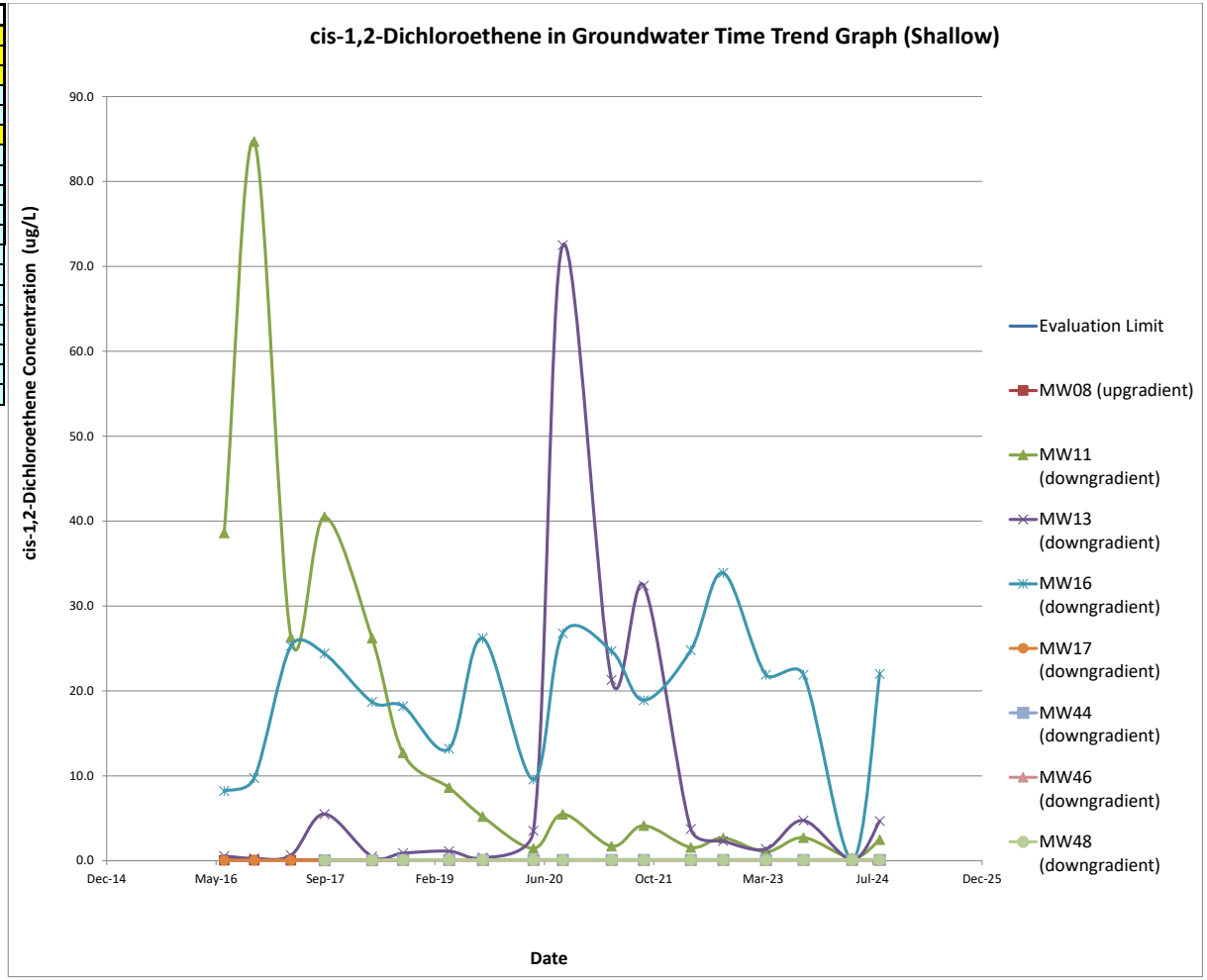
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.1096	0.105	0.329	10.5	0.641	0.105	NA	NA	NA
Oct-16	0.1096	0.105	0.341	12.5	0.105	0.105	NA	NA	NA
Apr-17	0.1096	0.105	0.445	13.1	1.10	0.105	NA	NA	NA
Sep-17	0.1096	0.105	0.499	21.0	1.00	0.105	0.105	0.105	0.105
Apr-18	0.1096	0.105	0.272	16.1	0.79	0.105	0.105	0.105	0.105
Sep-18	0.1096	0.110	0.110	22.1	0.75	0.110	0.11	0.11	0.11
Apr-19	0.1117	0.110	0.110	19.2	0.51	0.110	0.11	0.11	0.11
Sep-19	0.1117	0.110	0.110	12.6	0.81	0.110	0.11	0.11	0.11
Apr-20	0.1125	0.110	0.110	16.4	0.110	0.110	0.110	0.110	0.110
Sep-20	0.1125	0.110	0.110	37.0	0.910	0.110	0.110	0.110	0.110
Apr-21	0.1128	0.110	0.110	21.4	0.737	0.110	0.110	0.110	0.110
Sep-21	0.1128	0.110	0.110	24.4	0.110	0.110	0.110	0.110	0.110
Apr-22	0.1128	0.110	0.110	16.2	0.628	0.110	0.110	0.110	0.110
Sep-22	0.1128	0.110	0.110	19.4	0.110	0.110	0.110	0.110	0.110
Mar-23	0.1128	0.110	0.110	13	0.544	0.110	0.110	0.110	0.110
Sep-23	0.1128	0.110	0.110	20.7	0.110	0.110	0.110	0.110	0.110
Apr-24	0.1128	0.110	0.110	10.6	0.110	0.110	0.110	0.110	0.110
Aug-24	0.1128	0.110	0.110	18	0.488	0.110	0.110	0.110	0.110

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



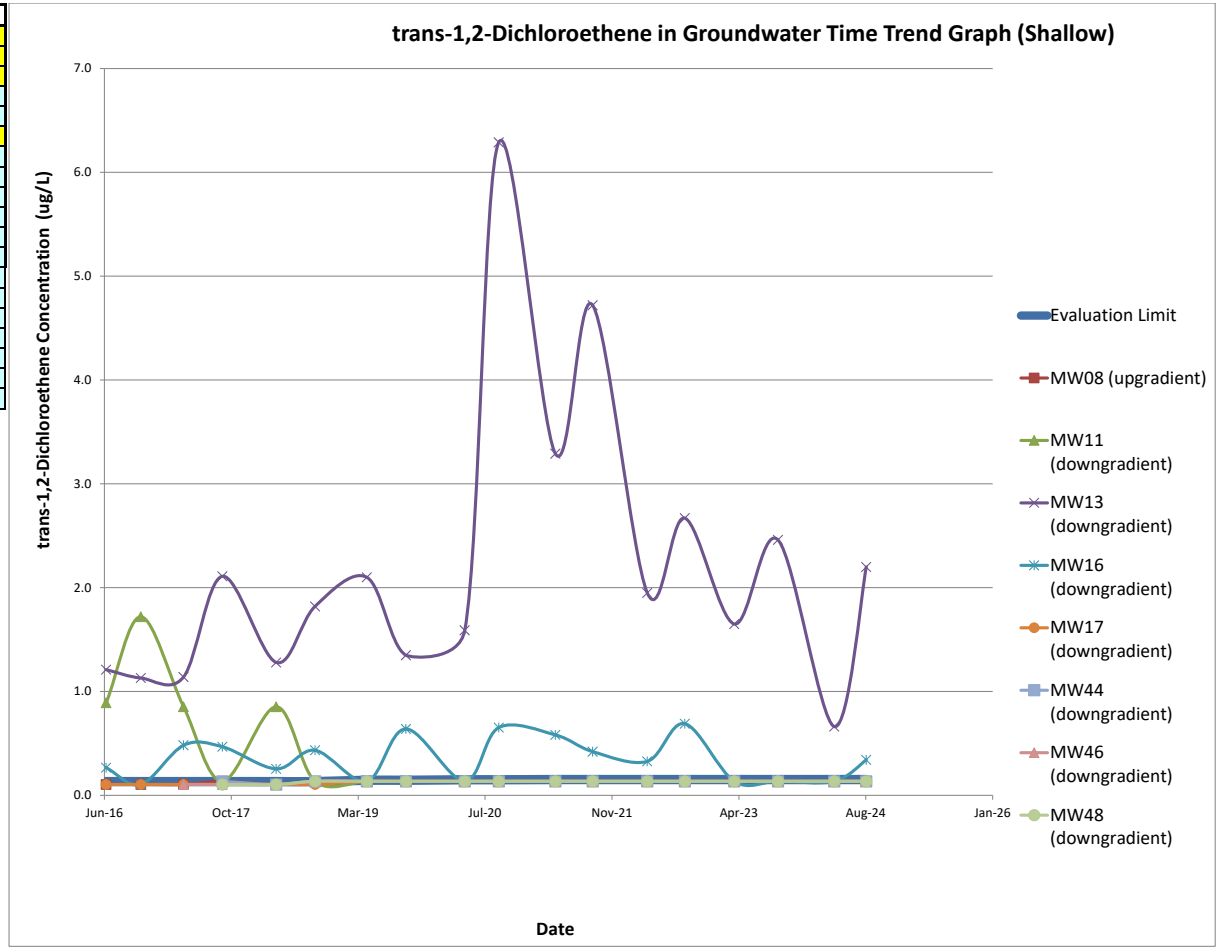
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.1015	0.065	38.6	0.552	8.20	0.065	NA	NA	NA
Oct-16	0.1015	0.065	84.7	0.279	9.73	0.065	NA	NA	NA
Apr-17	0.1015	0.065	26.3	0.648	25.3	0.065	NA	NA	NA
Sep-17	0.1015	0.065	40.5	5.50	24.4	0.065	0.065	0.065	0.065
Apr-18	0.1015	0.065	26.2	0.48	18.7	0.065	0.065	0.065	0.065
Sep-18	0.1015	0.105	12.7	0.89	18.2	0.105	0.105	0.105	0.105
Apr-19	0.1187	0.105	8.61	1.12	13.2	0.105	0.105	0.105	0.105
Sep-19	0.1187	0.105	5.19	0.367	26.2	0.105	0.105	0.105	0.105
Apr-20	0.1250	0.105	1.46	3.53	9.57	0.105	0.105	0.105	0.105
Sep-20	0.1250	0.105	5.47	72.50	26.80	0.105	0.105	0.105	0.105
Apr-21	0.1278	0.105	1.71	21.30	24.70	0.105	0.105	0.105	0.105
Sep-21	0.1278	0.105	4.13	32.40	18.90	0.105	0.105	0.105	0.105
Apr-22	0.1278	0.105	1.57	3.72	24.80	0.105	0.105	0.105	0.105
Sep-22	0.1278	0.105	2.68	2.32	33.9	0.105	0.105	0.105	0.105
Mar-23	0.1278	0.105	1.06	1.39	21.9	0.105	0.105	0.105	0.105
Sep-23	0.1278	0.105	2.72	4.74	21.9	0.105	0.105	0.105	0.105
Apr-24	0.1278	0.105	0.328	0.105	0.105	0.105	0.105	0.105	0.105
Aug-24	0.1278	0.105	2.49	4.68	22.00	0.105	0.105	0.105	0.105

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



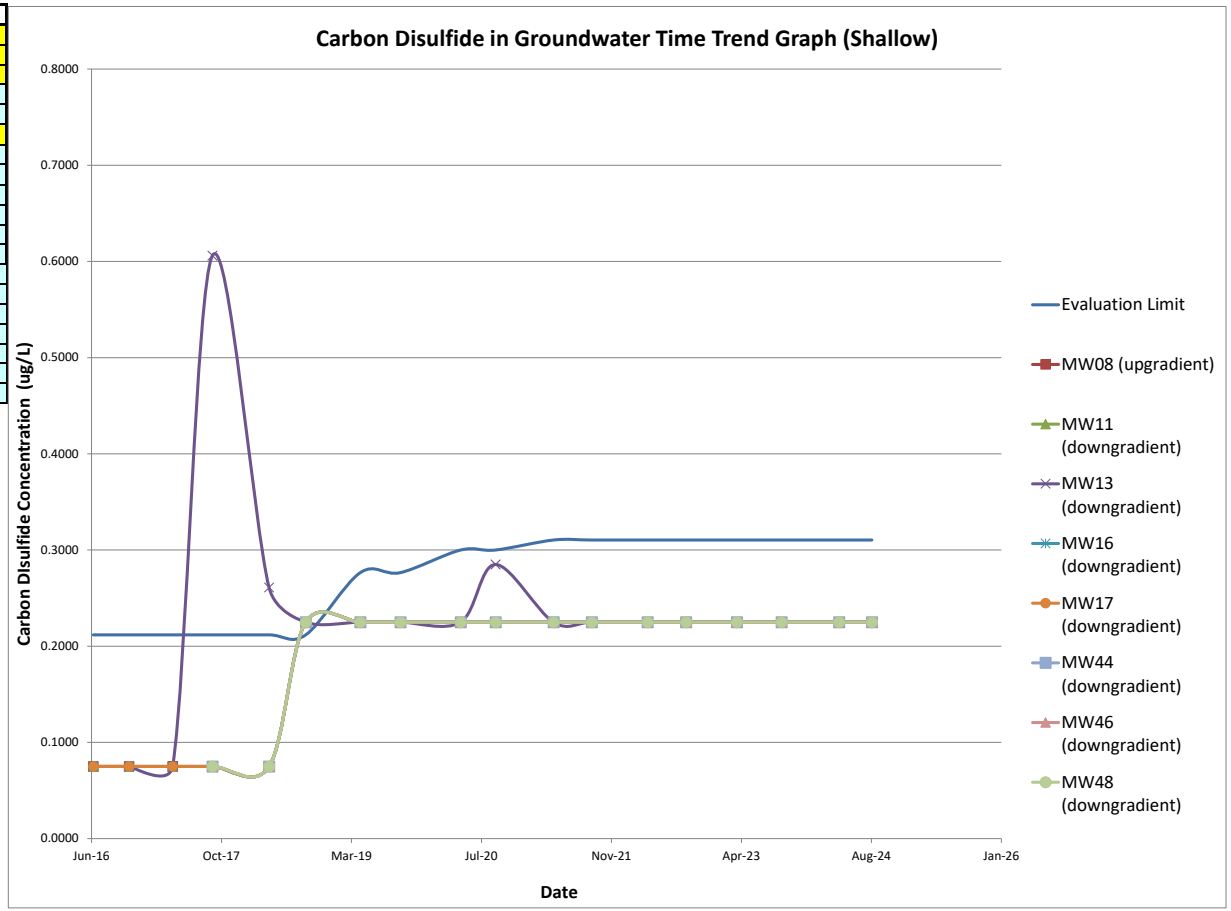
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.1324	0.105	0.891	1.21	0.266	0.105	NA	NA	NA
Oct-16	0.1324	0.105	1.72	1.13	0.105	0.105	NA	NA	NA
Apr-17	0.1324	0.105	0.853	1.14	0.482	0.105	NA	0.105	NA
Sep-17	0.1324	0.135	0.135	2.11	0.468	0.105	0.135	0.105	0.105
Apr-18	0.1324	0.105	0.853	1.28	0.255	0.105	0.105	0.105	0.105
Sep-18	0.1324	0.135	0.135	1.82	0.434	0.105	0.135	0.135	0.135
Apr-19	0.1453	0.135	0.135	2.10	0.135	0.135	0.135	0.135	0.135
Sep-19	0.1453	0.135	0.135	1.35	0.640	0.135	0.135	0.135	0.135
Apr-20	0.1500	0.135	0.135	1.59	0.135	0.135	0.135	0.135	0.135
Sep-20	0.1500	0.135	0.135	6.29	0.653	0.135	0.135	0.135	0.135
Apr-21	0.1521	0.135	0.135	3.29	0.582	0.135	0.135	0.135	0.135
Sep-21	0.1521	0.135	0.135	4.72	0.421	0.135	0.135	0.135	0.135
Apr-22	0.1521	0.135	0.135	1.95	0.327	0.135	0.135	0.135	0.135
Sep-22	0.1521	0.135	0.135	2.67	0.690	0.135	0.135	0.135	0.135
Mar-23	0.1521	0.135	0.135	1.65	0.135	0.135	0.135	0.135	0.135
Sep-23	0.1521	0.135	0.135	2.46	0.135	0.135	0.135	0.135	0.135
Apr-24	0.1521	0.135	0.135	0.662	0.135	0.135	0.135	0.135	0.135
Aug-24	0.1521	0.135	0.135	2.2	0.342	0.135	0.135	0.135	0.135

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



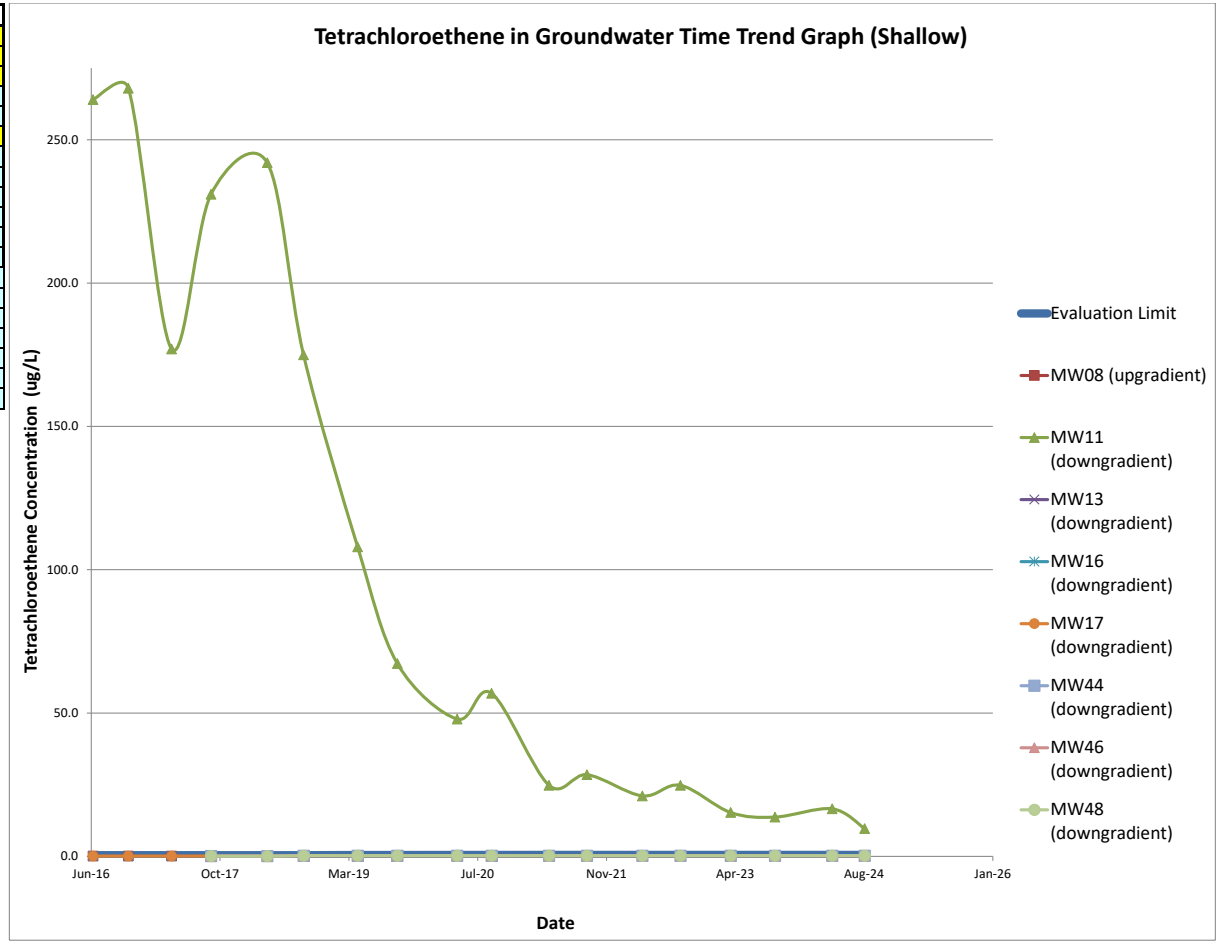
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2118	0.075	0.075	0.075	0.075	0.075	NA	NA	NA
Oct-16	0.2118	0.075	0.075	0.075	0.075	0.075	NA	NA	NA
Apr-17	0.2118	0.075	0.075	0.075	0.075	0.075	NA	NA	NA
Sep-17	0.2118	0.075	0.075	0.606	0.075	0.075	0.075	0.075	0.075
Apr-18	0.2118	0.075	0.075	0.261	0.075	0.075	0.075	0.075	0.075
Sep-18	0.2118	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Apr-19	0.2765	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Sep-19	0.2765	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Apr-20	0.3000	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Sep-20	0.3000	0.225	0.225	0.285	0.225	0.225	0.225	0.225	0.225
Apr-21	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Sep-21	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Apr-22	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Sep-22	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Mar-23	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Sep-23	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Apr-24	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225
Aug-24	0.3104	0.225	0.225	0.225	0.225	0.225	0.225	0.225	0.225

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



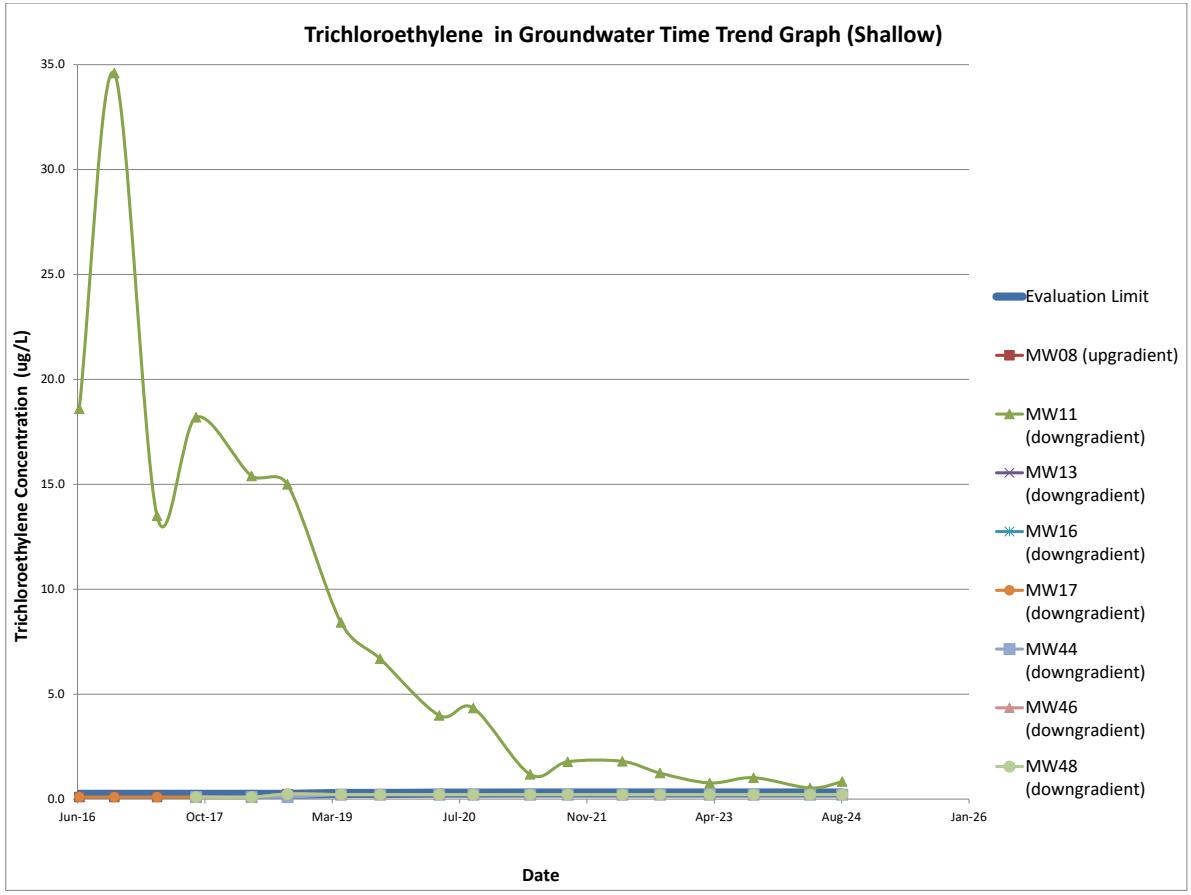
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2268	0.090	264	0.090	0.090	0.090	NA	NA	NA
Oct-16	0.2268	0.090	268	0.090	0.090	0.090	NA	NA	NA
Apr-17	0.2268	0.090	177	0.090	0.090	0.090	NA	NA	NA
Sep-17	0.2268	0.090	231	0.090	0.090	0.090	0.090	0.090	0.090
Apr-18	0.2268	0.090	242	0.090	0.090	0.090	0.090	0.090	0.090
Sep-18	0.2268	0.240	175	0.240	0.240	0.240	0.240	0.240	0.240
Apr-19	0.2915	0.240	108	0.240	0.240	0.240	0.240	0.240	0.240
Sep-19	0.2915	0.240	67.3	0.240	0.240	0.240	0.240	0.240	0.240
Apr-20	0.3150	0.240	47.9	0.240	0.240	0.240	0.240	0.240	0.240
Sep-20	0.3150	0.240	56.9	0.240	0.240	0.240	0.240	0.240	0.240
Apr-21	0.3254	0.240	24.8	0.240	0.240	0.240	0.240	0.240	0.240
Sep-21	0.3254	0.240	28.5	0.240	0.240	0.240	0.240	0.240	0.240
Apr-22	0.3254	0.240	21.1	0.240	0.240	0.240	0.240	0.240	0.240
Sep-22	0.3254	0.240	24.8	0.240	0.240	0.240	0.240	0.240	0.240
Mar-23	0.3254	0.240	15.3	0.240	0.240	0.240	0.240	0.240	0.240
Sep-23	0.3254	0.240	13.7	0.240	0.240	0.240	0.240	0.240	0.240
Apr-24	0.3254	0.240	16.6	0.240	0.240	0.240	0.240	0.240	0.240
Aug-24	0.3254	0.240	9.69	0.240	0.240	0.240	0.240	0.240	0.240

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



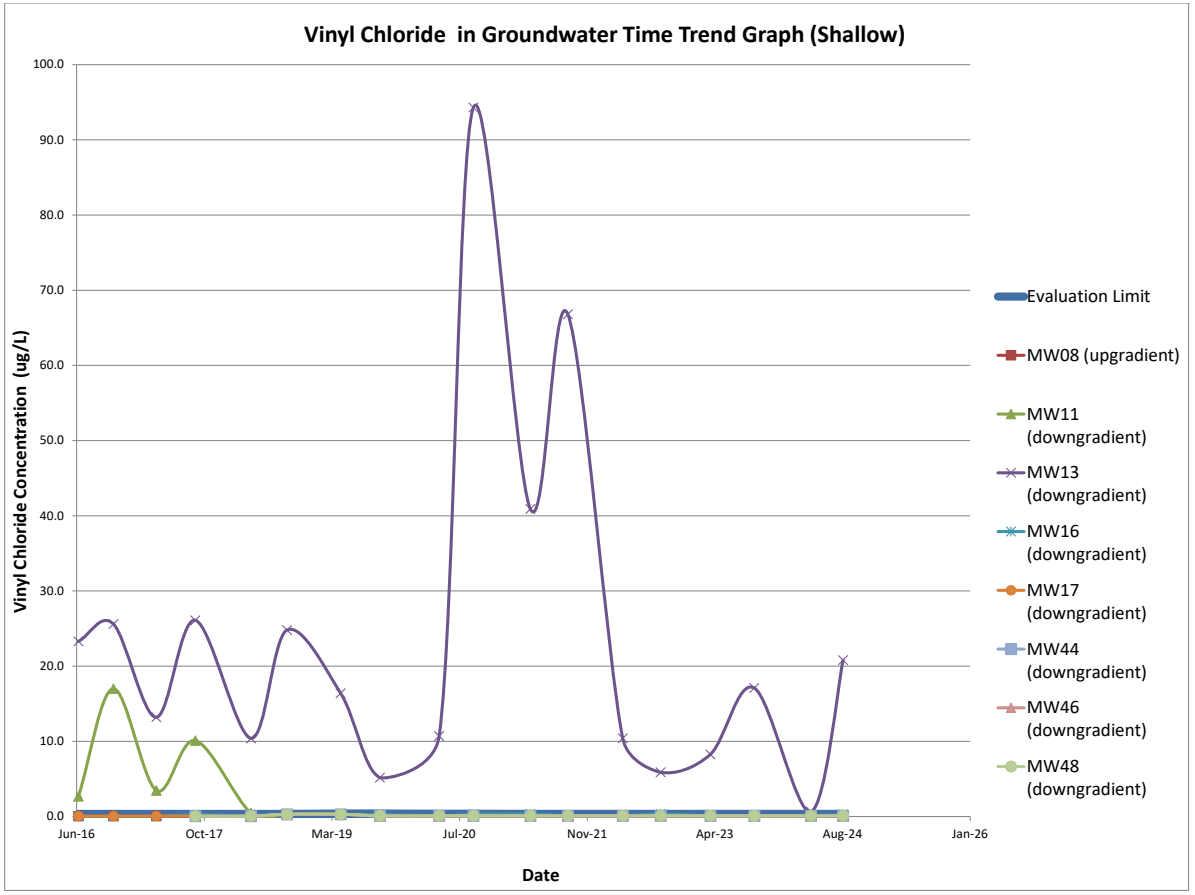
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2272	0.095	18.6	0.095	0.095	0.095	NA	NA	NA
Oct-16	0.2272	0.095	34.6	0.095	0.095	0.095	NA	NA	NA
Apr-17	0.2272	0.095	13.5	0.095	0.095	0.095	NA	NA	NA
Sep-17	0.2272	0.095	18.2	0.095	0.095	0.095	0.095	0.095	0.095
Apr-18	0.2272	0.095	15.4	0.095	0.095	0.095	0.095	0.095	0.095
Sep-18	0.2272	0.240	15.0	0.240	0.240	0.240	0.095	0.240	0.240
Apr-19	0.2682	0.215	8.42	0.215	0.215	0.215	0.215	0.215	0.215
Sep-19	0.2682	0.215	6.69	0.215	0.215	0.215	0.215	0.215	0.215
Apr-20	0.2833	0.215	3.99	0.215	0.215	0.215	0.215	0.215	0.215
Sep-20	0.2833	0.215	4.34	0.215	0.215	0.215	0.215	0.215	0.215
Apr-21	0.2897	0.215	1.18	0.215	0.215	0.215	0.215	0.215	0.215
Sep-21	0.2897	0.215	1.78	0.215	0.215	0.215	0.215	0.215	0.215
Apr-22	0.2897	0.215	1.80	0.215	0.215	0.215	0.215	0.215	0.215
Sep-22	0.2897	0.215	1.24	0.215	0.215	0.215	0.215	0.215	0.215
Mar-23	0.2897	0.215	0.769	0.215	0.215	0.215	0.215	0.215	0.215
Sep-23	0.2897	0.215	1.02	0.215	0.215	0.215	0.215	0.215	0.215
Apr-24	0.2897	0.215	0.53	0.215	0.215	0.215	0.215	0.215	0.215
Aug-24	0.2897	0.215	0.839	0.215	0.215	0.215	0.215	0.215	0.215

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



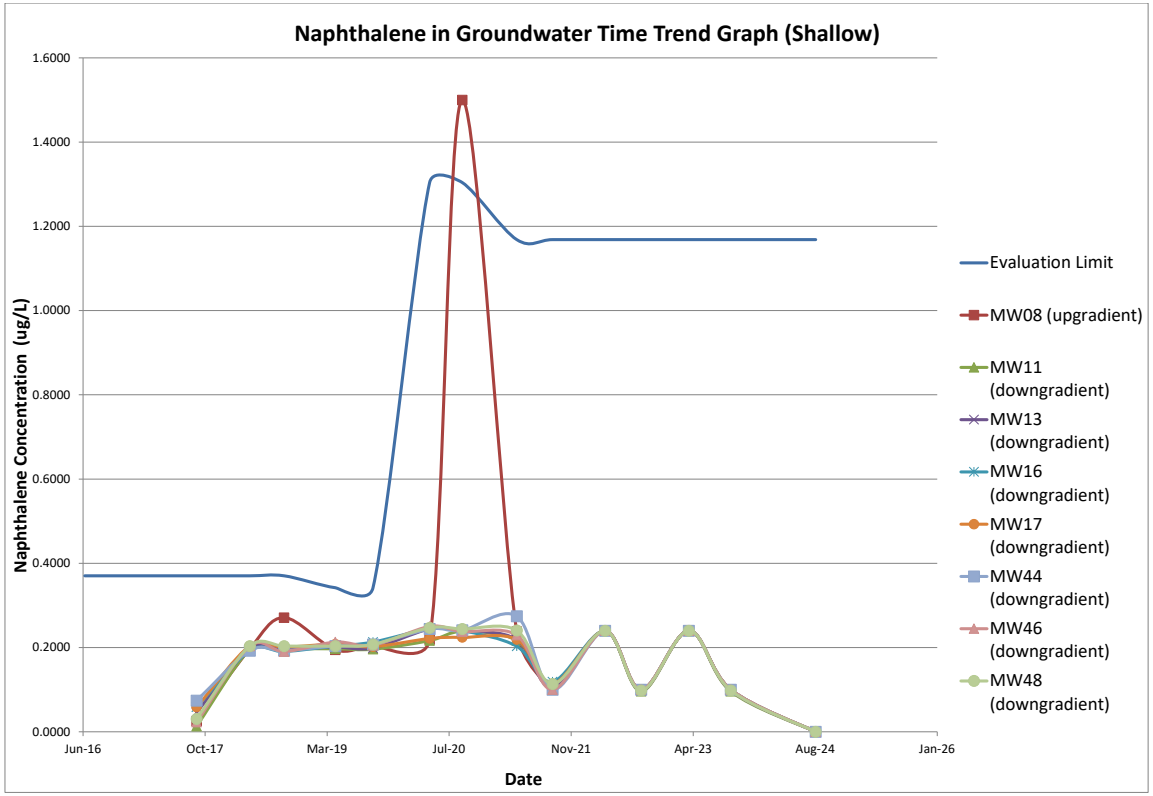
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2780	0.050	2.67	23.3	0.050	0.050	NA	NA	NA
Oct-16	0.2780	0.050	17.0	25.6	0.050	0.050	NA	NA	NA
Apr-17	0.2780	0.050	3.46	13.2	0.050	0.050	NA	NA	NA
Sep-17	0.2780	0.050	10.1	26.1	0.231	0.050	0.050	0.050	0.050
Apr-18	0.2780	0.050	0.5	10.4	0.132	0.050	0.050	0.050	0.050
Sep-18	0.2780	0.300	0.3	24.8	0.300	0.300	0.300	0.300	0.300
Apr-19	0.3298	0.300	0.300	16.4	0.300	0.300	0.300	0.300	0.300
Sep-19	0.3298	0.090	0.090	5.18	0.258	0.090	0.090	0.090	0.090
Apr-20	0.3032	0.090	0.090	10.7	0.090	0.090	0.090	0.090	0.090
Sep-20	0.3032	0.090	0.090	94.3	0.299	0.090	0.090	0.090	0.090
Apr-21	0.2836	0.090	0.090	40.9	0.324	0.090	0.090	0.090	0.090
Sep-21	0.2836	0.090	0.090	66.8	0.090	0.090	0.090	0.090	0.090
Apr-22	0.2836	0.090	0.090	10.4	0.090	0.090	0.090	0.090	0.090
Sep-22	0.2836	0.090	0.090	5.89	0.338	0.090	0.090	0.090	0.090
Mar-23	0.2836	0.090	0.090	8.26	0.090	0.090	0.090	0.090	0.090
Sep-23	0.2836	0.090	0.090	17.1	0.090	0.090	0.090	0.090	0.090
Apr-24	0.2836	0.090	0.090	0.633	0.090	0.090	0.090	0.090	0.090
Aug-24	0.2836	0.090	0.090	20.8	0.302	0.090	0.090	0.090	0.090

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



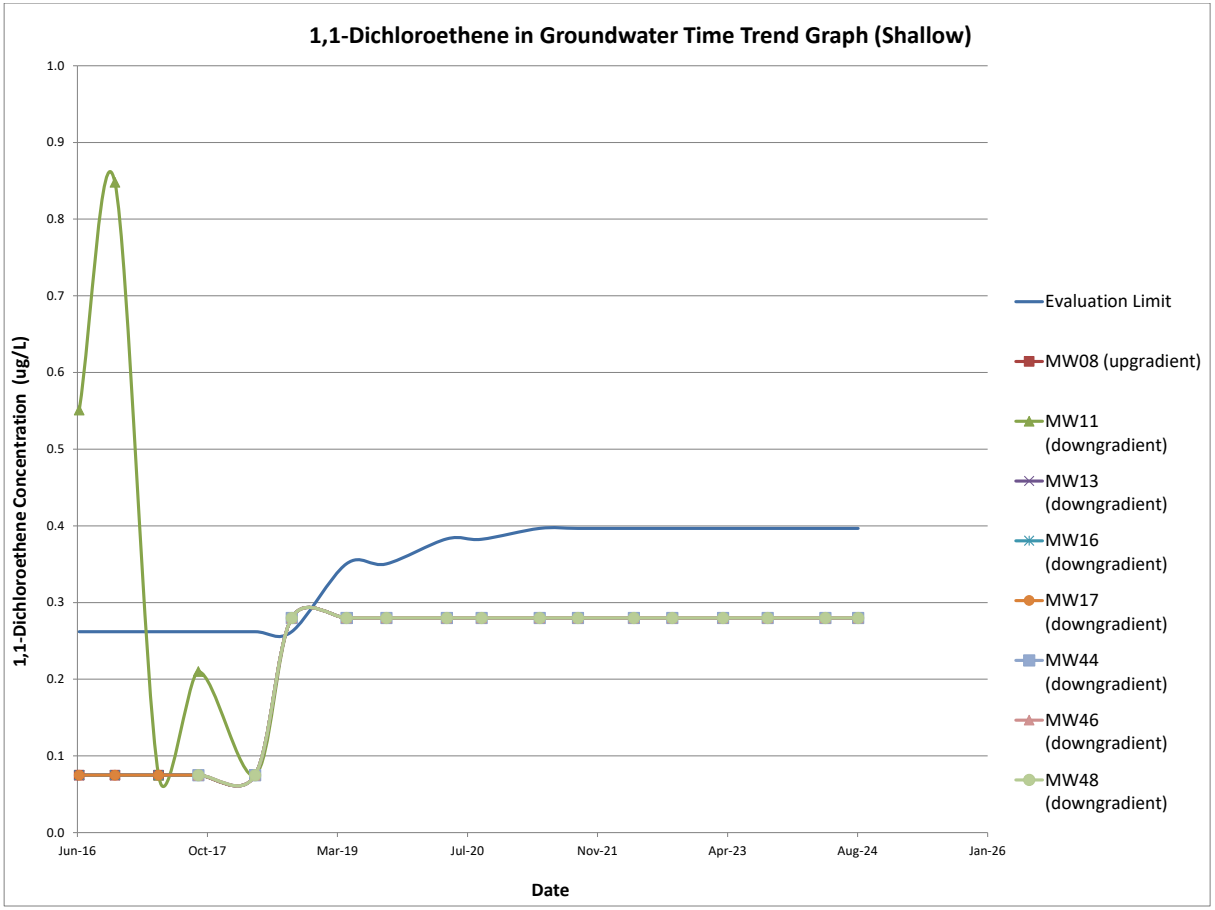
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.3703	NA	NA	NA	NA	NA	NA	NA	NA
Oct-16	0.3703	NA	NA	NA	NA	NA	NA	NA	NA
Apr-17	0.3703	NA	NA	NA	NA	NA	NA	NA	NA
Sep-17	0.3703	0.0253	0.0134	0.0460	0.0585	0.0585	0.0739	0.0228	0.0308
Apr-18	0.3703	0.1970	0.1945	0.1970	0.1925	0.2035	0.1925	0.2035	0.2035
Sep-18	0.3703	0.2710	0.1970	0.1970	0.1905	0.2010	0.1925	0.1905	0.2035
Apr-19	0.3420	0.195	0.197	0.201	0.204	0.208	0.204	0.213	0.204
Sep-19	0.3420	0.206	0.196	0.199	0.213	0.202	0.208	0.206	0.208
Apr-20	1.3039	0.219	0.217	0.244	0.244	0.222	0.244	0.250	0.247
Sep-20	1.3039	1.500	0.238	0.240	0.240	0.224	0.241	0.238	0.244
Apr-21	1.1685	0.238	0.217	0.219	0.203	0.219	0.275	0.230	0.241
Sep-21	1.1685	0.109	0.109	0.104	0.119	0.114	0.100	0.100	0.114
Apr-22	1.1685	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Sep-22	1.1685	0.100	0.096	0.098	0.100	0.100	0.100	0.100	0.098
Mar-23	1.1685	0.240	0.240	0.240	0.240	0.240	0.240	0.240	0.240
Sep-23	1.1685	0.100	0.096	0.098	0.100	0.100	0.100	0.100	0.098
Aug-24	1.1685	NA	NA	NA	NA	NA	NA	NA	NA

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.
Note:
Increase in Eval. Limit due to laboratory error.



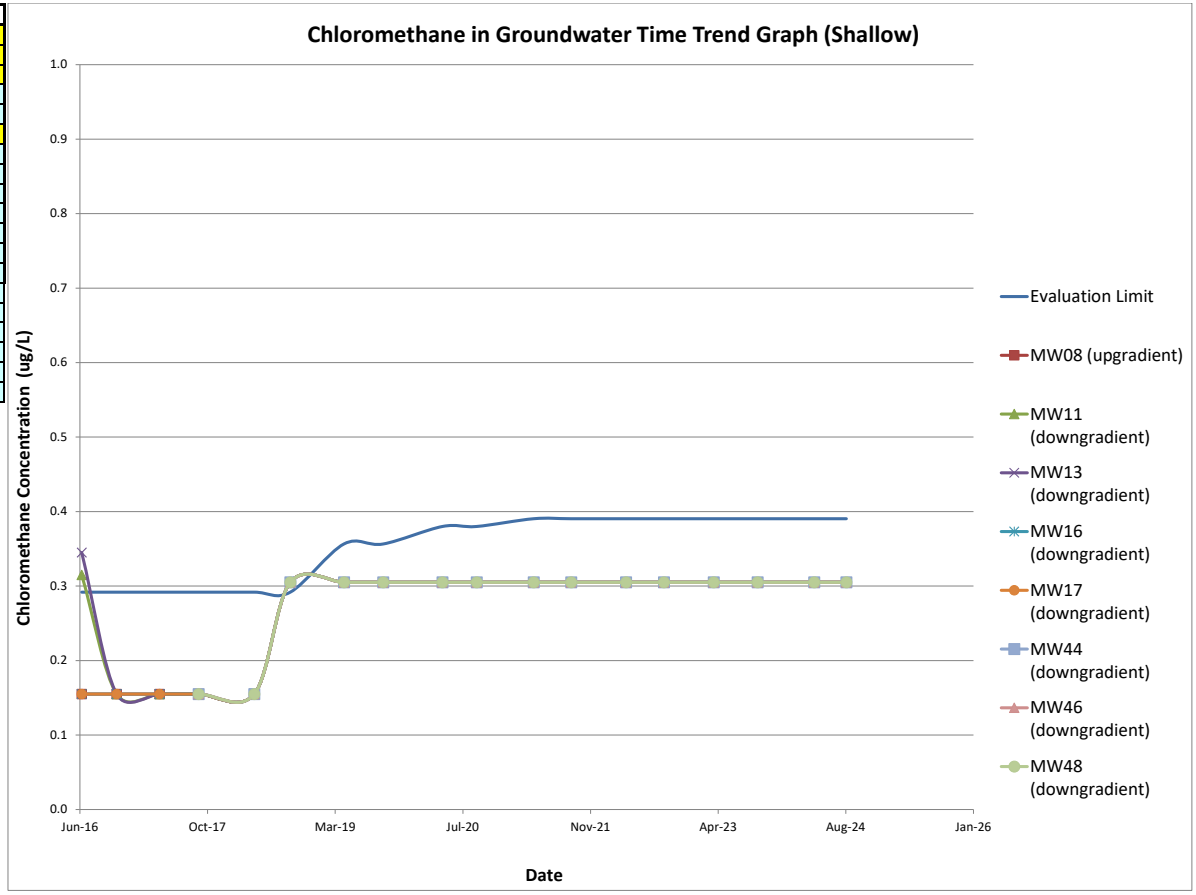
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2620	0.075	0.551	0.075	0.075	0.075	NA	NA	NA
Oct-16	0.2620	0.075	0.848	0.075	0.075	0.075	NA	NA	NA
Apr-17	0.2620	0.075	0.075	0.075	0.075	0.075	NA	NA	NA
Sep-17	0.2620	0.075	0.210	0.075	0.075	0.075	0.075	0.075	0.075
Apr-18	0.2620	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
Sep-18	0.2620	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Apr-19	0.3504	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Sep-19	0.3504	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Apr-20	0.3830	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Sep-20	0.3825	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Apr-21	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Sep-21	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Apr-22	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Sep-22	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Mar-23	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Sep-23	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Apr-24	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280
Aug-24	0.3967	0.280	0.280	0.280	0.280	0.280	0.280	0.280	0.280

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



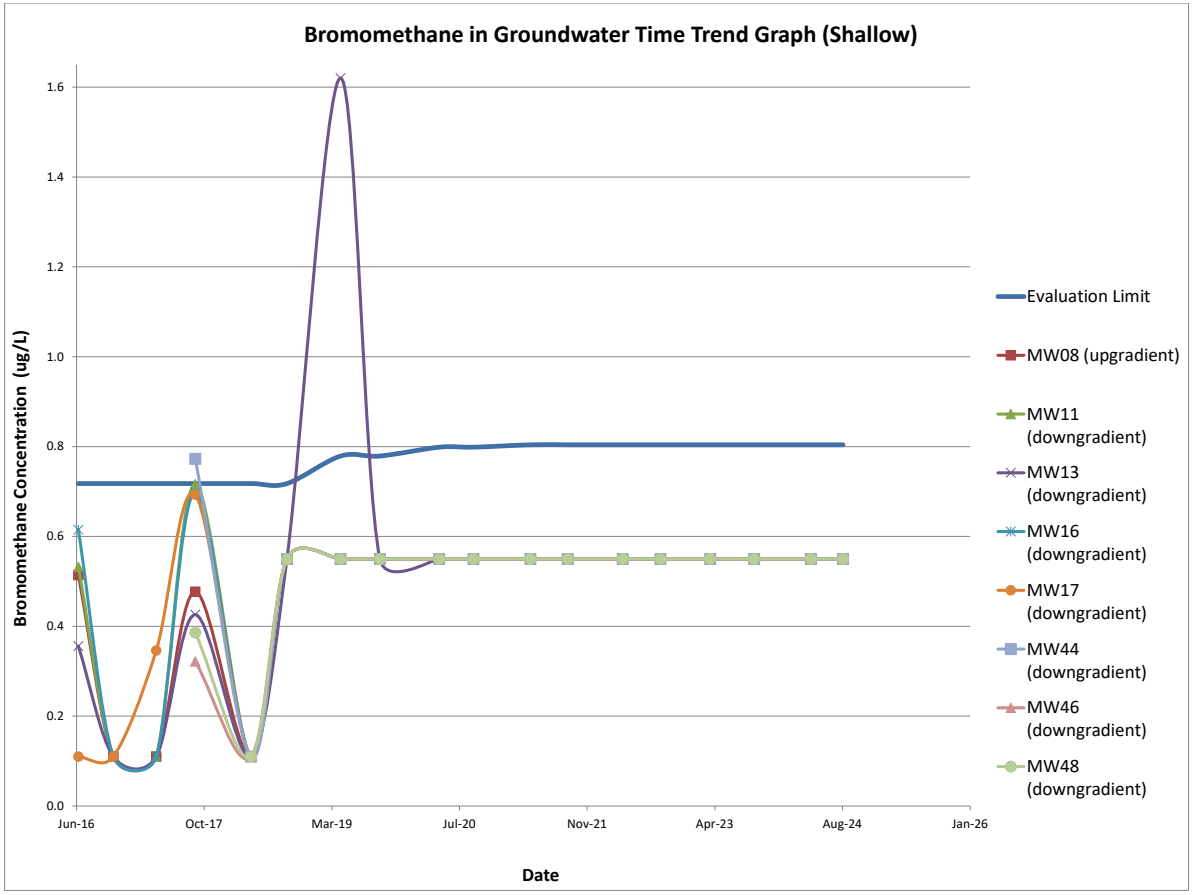
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2918	0.155	0.315	0.345	0.155	0.155	NA	NA	NA
Oct-16	0.2918	0.155	0.155	0.155	0.155	0.155	NA	NA	NA
Apr-17	0.2918	0.155	0.155	0.155	0.155	0.155	NA	NA	NA
Sep-17	0.2918	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
Apr-18	0.2918	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
Sep-18	0.2918	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Apr-19	0.3565	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Sep-19	0.3565	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Apr-20	0.3800	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Sep-20	0.3800	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Apr-21	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Sep-21	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Apr-22	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Sep-22	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Mar-23	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Sep-23	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Apr-24	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Aug-24	0.3904	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



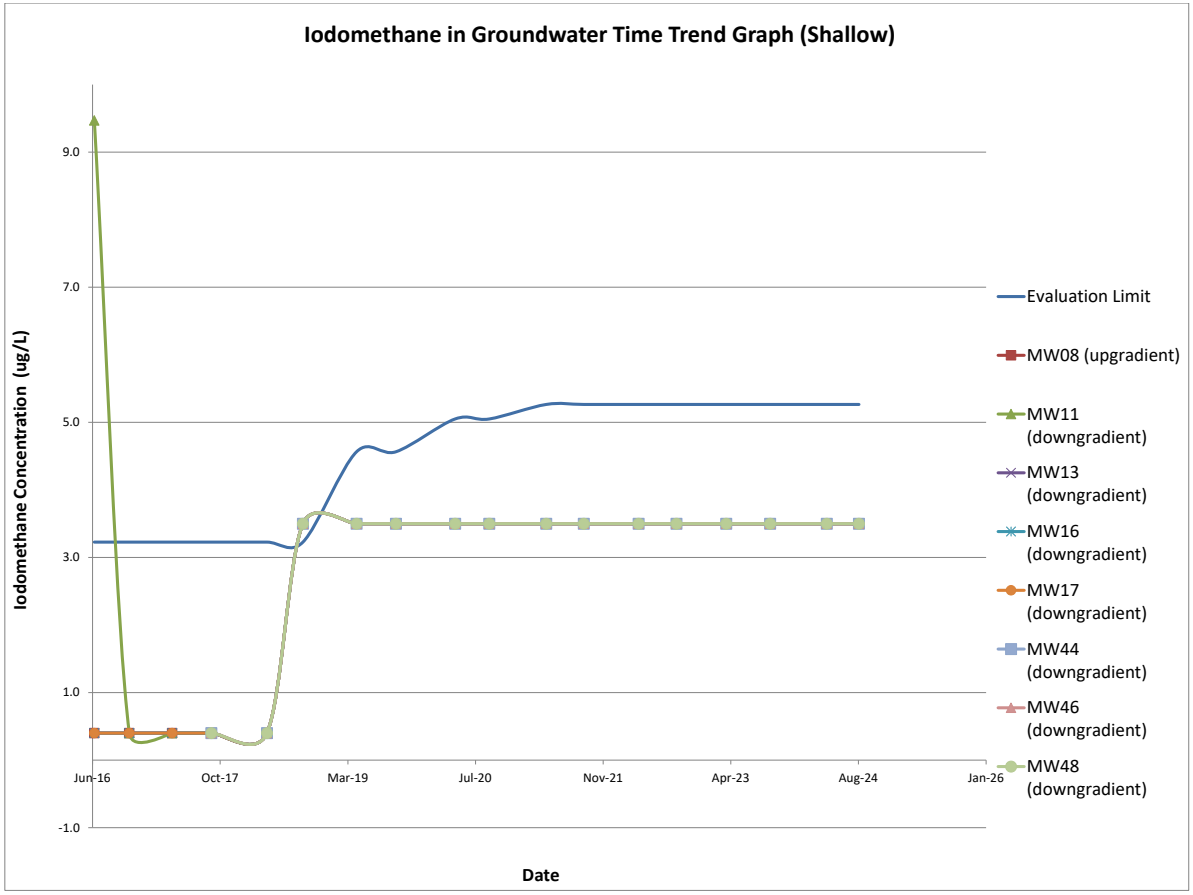
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.7177	0.514	0.532	0.356	0.615	0.110	NA	NA	NA
Oct-16	0.7177	0.110	0.110	0.110	0.110	0.110	NA	NA	NA
Apr-17	0.7177	0.110	0.110	0.110	0.110	0.346	NA	NA	NA
Sep-17	0.7177	0.477	0.716	0.426	0.698	0.693	0.773	0.322	0.386
Apr-18	0.7177	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
Sep-18	0.7177	0.550	0.550	0.550	0.550	0.550	0.550	0.550	0.550
Apr-19	0.7789	0.55	0.55	1.62	0.55	0.55	0.55	0.55	0.55
Sep-19	0.7789	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Apr-20	0.7986	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Sep-20	0.7986	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Apr-21	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Sep-21	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Apr-22	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Sep-22	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Mar-23	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Sep-23	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Apr-24	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Aug-24	0.8039	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



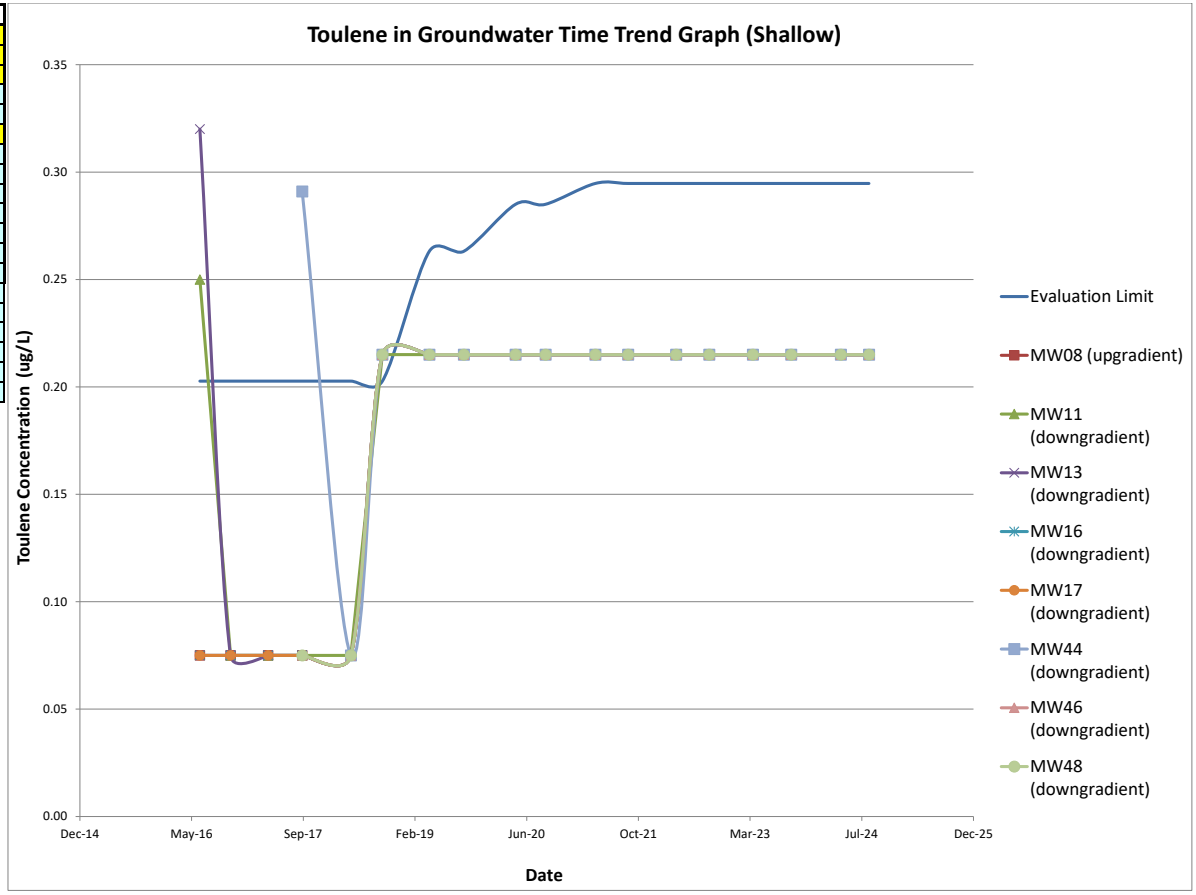
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	3.2273	0.400	9.47	0.400	0.400	0.400	NA	NA	NA
Oct-16	3.2273	0.400	0.400	0.400	0.400	0.400	NA	NA	NA
Apr-17	3.2273	0.400	0.400	0.400	0.400	0.400	NA	NA	NA
Sep-17	3.2273	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Apr-18	3.2273	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Sep-18	3.2273	3.500	3.500	3.500	3.500	3.500	3.500	3.500	3.500
Apr-19	4.5641	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Sep-19	4.5641	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Apr-20	5.0500	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Sep-20	5.0500	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Apr-21	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Sep-21	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Apr-22	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Sep-22	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Mar-23	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Sep-23	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Apr-24	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Aug-24	5.2650	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



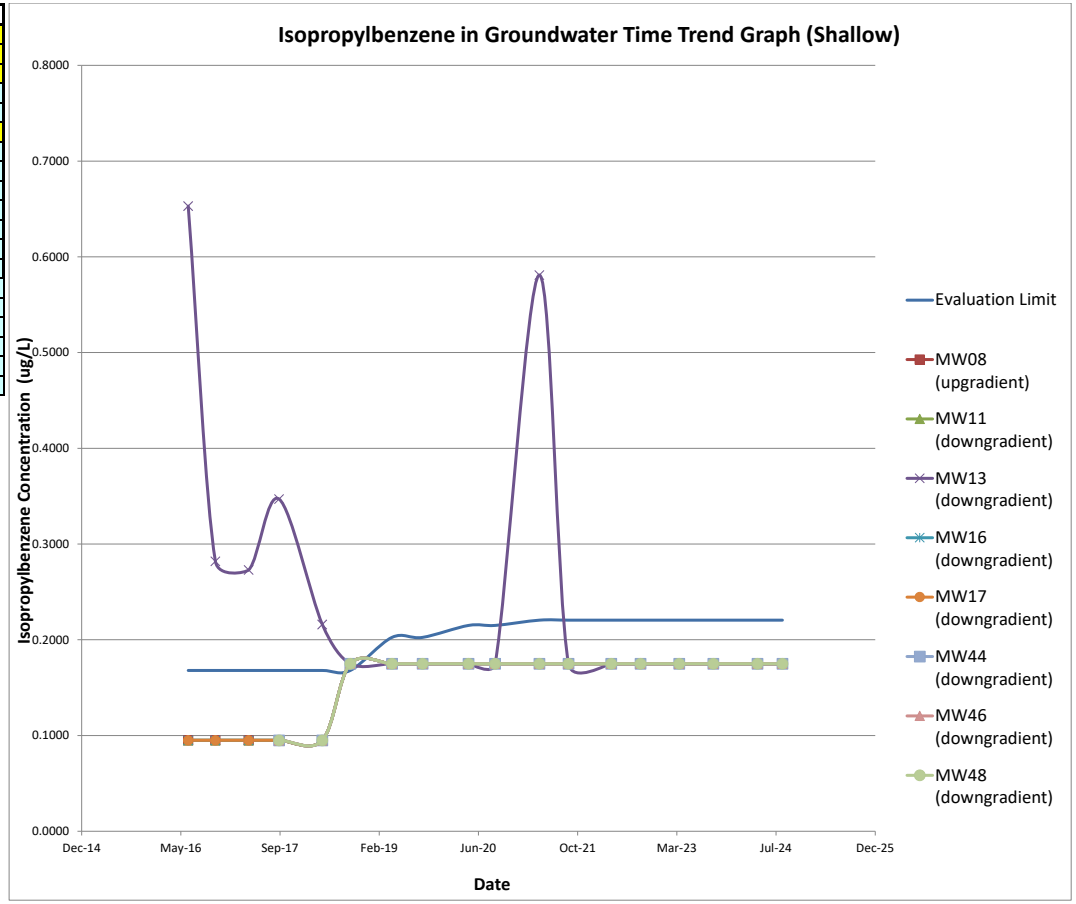
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2027	0.075	0.250	0.320	0.075	0.075	NA	NA	NA
Oct-16	0.2027	0.075	0.075	0.075	0.075	0.075	NA	NA	NA
Apr-17	0.2027	0.075	0.075	0.075	0.075	0.075	NA	NA	NA
Sep-17	0.2027	0.075	0.075	0.075	0.075	0.075	0.291	0.075	0.075
Apr-18	0.2027	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
Sep-18	0.2027	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Apr-19	0.2631	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Sep-19	0.2631	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Apr-20	0.2850	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Sep-20	0.2850	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Apr-21	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Sep-21	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Apr-22	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Sep-22	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Mar-23	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Sep-23	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Apr-24	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215
Aug-24	0.2947	0.215	0.215	0.215	0.215	0.215	0.215	0.215	0.215

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.

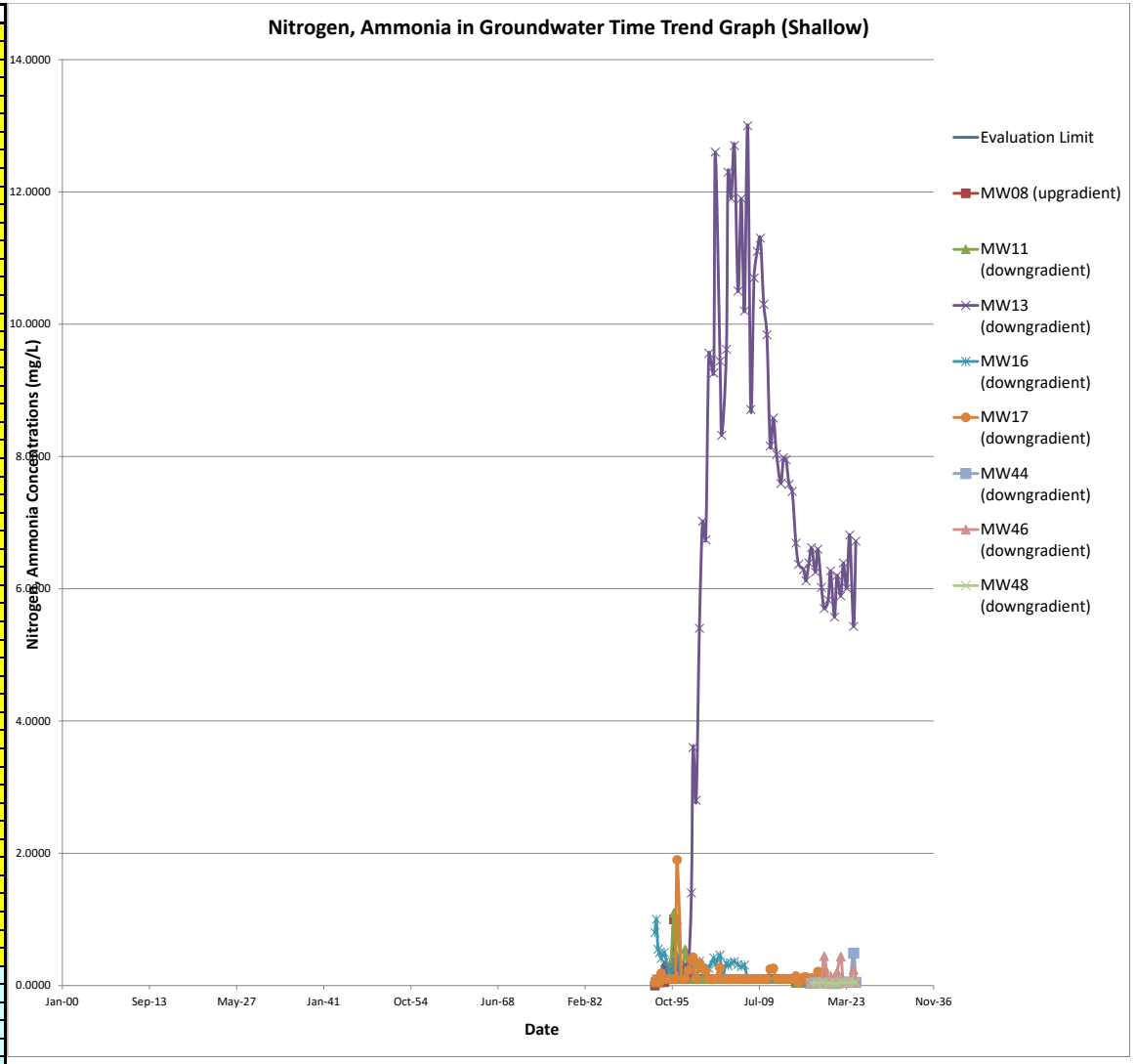


Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.1680	0.095	0.095	0.653	0.095	0.095	NA	NA	NA
Oct-16	0.1680	0.095	0.095	0.282	0.095	0.095	NA	NA	NA
Apr-17	0.1680	0.095	0.095	0.273	0.095	0.095	NA	NA	NA
Sep-17	0.1680	0.095	0.095	0.347	0.095	0.095	0.095	0.095	0.095
Apr-18	0.1680	0.095	0.095	0.216	0.095	0.095	0.095	0.095	0.095
Sep-18	0.1680	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Apr-19	0.2025	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Sep-19	0.2025	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Apr-20	0.2150	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Sep-20	0.2150	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Apr-21	0.2205	0.175	0.175	0.581	0.175	0.175	0.175	0.175	0.175
Sep-21	0.2205	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Apr-22	0.2205	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Sep-22	0.2205	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Mar-23	0.2205	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Sep-23	0.2205	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Apr-24	0.2205	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175
Aug-24	0.2205	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



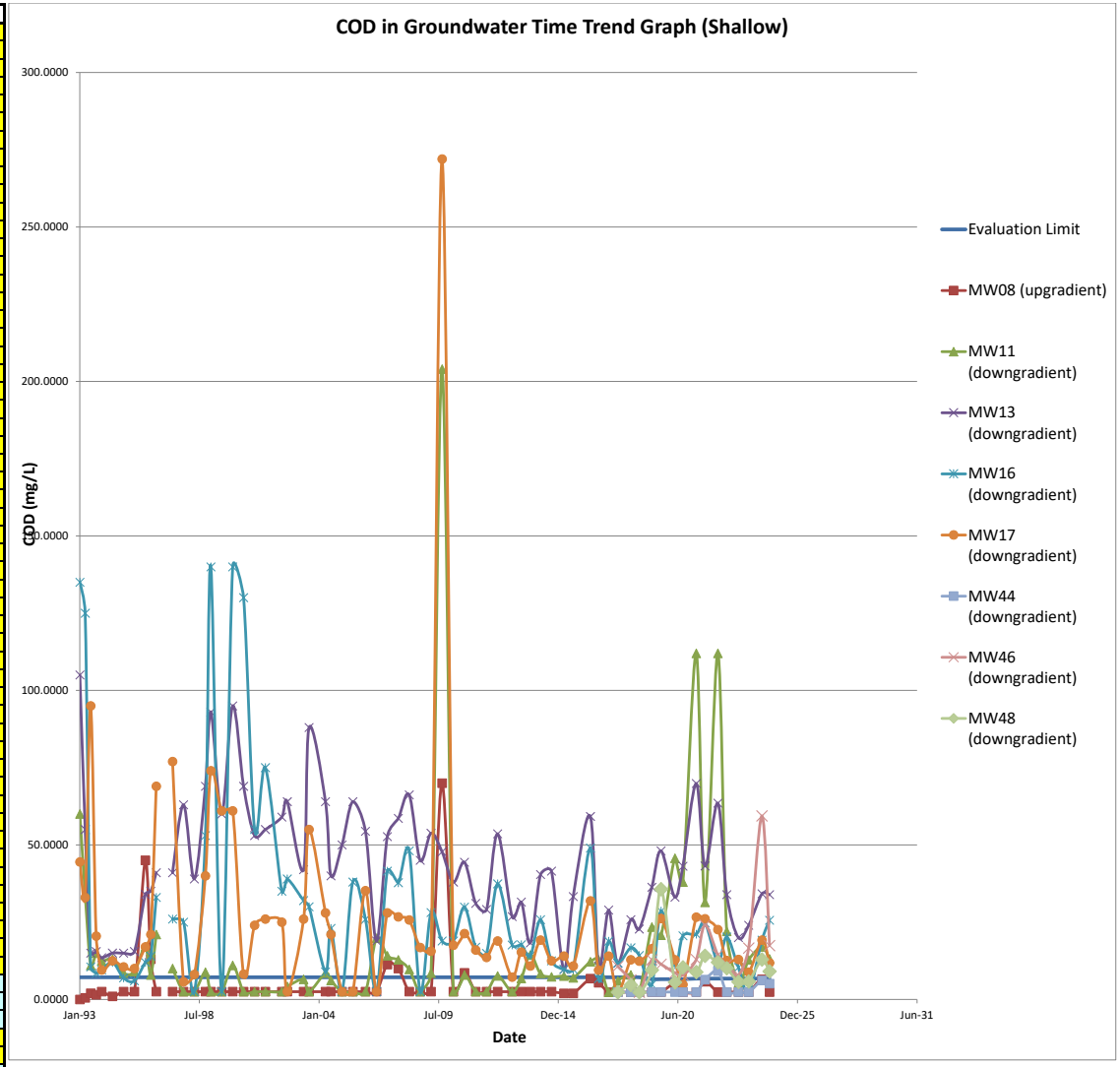
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	0.0503	NA	0.05	0.05	0.8	0.05	NA	NA	NA
May-93	0.0503	0.05	0.05	0.1	1	0.1	NA	NA	NA
Aug-93	0.0503	0.05	0.05	0.05	0.55	0.05	NA	NA	NA
Nov-93	0.0503	0.05	0.1	0.05	0.5	0.05	NA	NA	NA
Feb-94	0.0503	0.1	0.105	0.1	0.41	0.185	NA	NA	NA
Aug-94	0.0503	0.05	0.3	0.35	0.5	0.1	NA	NA	NA
Feb-95	0.0503	0.1	0.22	0.1	0.275	0.1	NA	NA	NA
Aug-95	0.0503	0.1	0.35	0.1	0.205	0.1	NA	NA	NA
Feb-96	0.0503	1	1.1	0.27	0.27	0.1	NA	NA	NA
May-96	0.0503	0.1	0.49	0.1	0.36	0.1	NA	NA	NA
Aug-96	0.0503	0.1	1	0.3	0.42	1.9	NA	NA	NA
May-97	0.0503	0.1	0.1	0.1	0.1	0.1	NA	NA	NA
Nov-97	0.0503	0.1	0.55	0.32	0.1	0.1	NA	NA	NA
May-98	0.0503	0.1	0.27	0.21	0.24	0.23	NA	NA	NA
Nov-98	0.0503	0.1	0.32	1.4	0.35	0.39	NA	NA	NA
Feb-99	0.0503	0.1	0.1	3.6	0.33	0.43	NA	NA	NA
Aug-99	0.0503	0.1	0.1	2.8	0.1	0.1	NA	NA	NA
Feb-00	0.0503	0.1	0.1	5.4	0.37	0.34	NA	NA	NA
Aug-00	0.0503	0.1	0.1	7.02	0.25	0.25	NA	NA	NA
Feb-01	0.0503	0.1	0.1	6.74	0.27	0.22	NA	NA	NA
Aug-01	0.0503	0.1	0.1	9.56	0.26	0.1	NA	NA	NA
May-02	0.0503	0.1	0.1	9.26	0.42	0.1	NA	NA	NA
Aug-02	0.0503	0.1	0.1	12.6	0.32	0.1	NA	NA	NA
May-03	0.0503	0.1	0.1	9.44	0.46	0.27	NA	NA	NA
Aug-03	0.0503	0.1	0.1	8.32	0.1	0.1	NA	NA	NA
May-04	0.0503	0.1	0.1	9.62	0.34	0.1	NA	NA	NA
Aug-04	0.0503	0.1	0.1	12.3	0.3	0.1	NA	NA	NA
Feb-05	0.0503	0.1	0.1	11.9	0.34	0.1	NA	NA	NA
Aug-05	0.0503	0.1	0.1	12.7	0.36	0.1	NA	NA	NA
Mar-06	0.0503	0.1	0.1	10.5	0.318	0.1	NA	NA	NA
Sep-06	0.0503	0.1	0.1	11.9	0.283	0.1	NA	NA	NA
Mar-07	0.0503	0.1	0.1	10.2	0.311	0.1	NA	NA	NA
Sep-07	0.0503	0.1	0.1	13	0.1	0.1	NA	NA	NA
Mar-08	0.0503	0.1	0.1	8.71	0.1	0.1	NA	NA	NA
Sep-08	0.0503	0.1	0.1	10.7	0.1	0.1	NA	NA	NA
Mar-09	0.0503	0.1	0.1	11.1	0.1	0.1	NA	NA	NA
Sep-09	0.0503	0.1	0.1	11.3	0.1	0.1	NA	NA	NA
Mar-10	0.0503	0.1	0.1	10.3	0.1	0.1	NA	NA	NA
Sep-10	0.0503	0.1	0.1	9.84	0.1	0.1	NA	NA	NA
Mar-11	0.0503	0.1	0.1	8.16	0.1	0.25	NA	NA	NA
Sep-11	0.0503	0.1	0.1	8.58	0.1	0.258	NA	NA	NA
Mar-12	0.0503	0.1	0.1	8.03	0.1	0.1	NA	NA	NA
Nov-12	0.0503	0.1	0.1	7.59	0.1	0.1	NA	NA	NA
Apr-13	0.0503	0.1	0.1	7.98	0.1	0.1	NA	NA	NA
Sep-13	0.0503	0.1	0.1	7.95	0.1	0.1	NA	NA	NA
Mar-14	0.0503	0.1	0.1	7.58	0.1	0.1	NA	NA	NA
Sep-14	0.0503	0.1	0.1	7.47	0.1	0.1	NA	NA	NA
Mar-15	0.0503	0.04195	0.04195	6.69	0.04195	0.142	NA	NA	NA
Sep-15	0.0503	0.04195	0.04195	6.37	0.04195	0.04195	NA	NA	NA
Jun-16	0.0503	0.04665	0.04665	6.29	0.04665	0.126	NA	NA	NA
Oct-16	0.0503	0.04665	0.04665	6.12	0.04665	0.127	NA	NA	NA
Apr-17	0.0503	0.0368	0.0368	6.39	0.0368	0.0368	NA	NA	NA
Sep-17	0.0503	0.0368	0.0368	6.62	0.0368	0.113	0.0368	0.0368	0.0368
Apr-18	0.0503	0.043	0.043	6.25	0.043	0.043	0.043	0.043	0.043
Sep-18	0.0503	0.043	0.043	6.6	0.116	0.21	0.043	0.043	0.043
Apr-19	0.0539	0.05	0.05	6.02	0.05	0.05	0.05	0.102	0.05
Sep-19	0.0539	0.05	0.05	5.70	0.05	0.212	0.05	0.444	0.05
Apr-20	0.0538	0.0345	0.0795	5.83	0.0345	0.0345	0.0345	0.0345	0.0345
Sep-20	0.0538	0.0345	0.0345	6.27	0.0789	0.0345	0.0345	0.145	0.0345
Apr-21	0.0530	0.0345	0.0345	5.57	0.0717	0.0345	0.0345	0.126	0.0345
Sep-21	0.0530	0.0345	0.0345	6.2	0.0345	0.0345	0.0345	0.208	0.0345
Apr-22	0.0530	0.05	0.05	5.89	0.05	0.05	0.05	0.439	0.05
Sep-22	0.0530	0.05	0.05	6.39	0.05	0.05	0.05	0.05	0.05
Mar-23	0.0530	0.05	0.05	6.01	0.05	0.05	0.05	0.05	0.05
Sep-23	0.0530	0.05	0.05	6.81	0.05	0.05	0.05	0.05	0.05
Apr-24	0.0530	0.05	0.05	5.43	0.05	0.05	0.491	0.238	0.05
Aug-24	0.0530	0.05	0.05	6.72	0.05	0.05	0.05	0.05	0.05



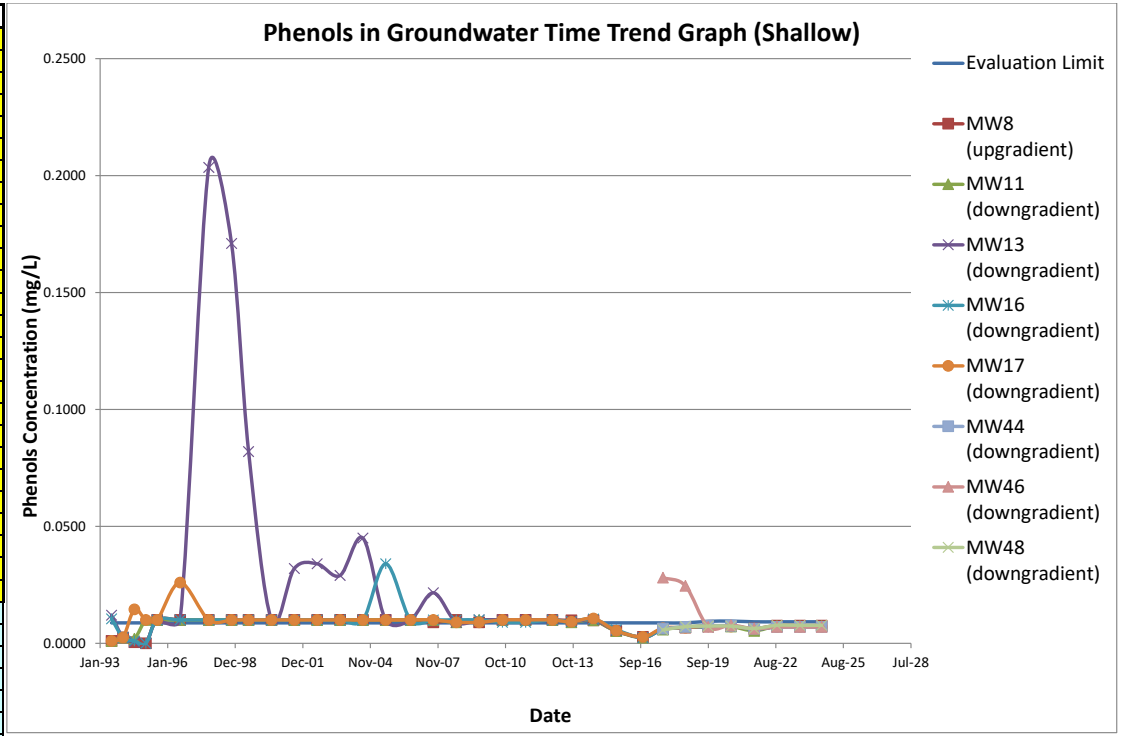
Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	7.1678	NA	60	105	135	44.5	NA	NA	NA
May-93	7.1678	0.5	34	55	125	33	NA	NA	NA
Aug-93	7.1678	2	11	15	10.5	95	NA	NA	NA
Nov-93	7.1678	1.5	15	15.5	8.5	20.5	NA	NA	NA
Feb-94	7.1678	2.5	12.5	13.5	9.5	9.5	NA	NA	NA
Aug-94	7.1678	1	13	15	12	12.5	NA	NA	NA
Feb-95	7.1678	2.5	8.5	15	7	10.5	NA	NA	NA
Aug-95	7.1678	2.5	9	15.5	6	10	NA	NA	NA
Feb-96	7.1678	45	17	34	12	17	NA	NA	NA
May-96	7.1678	13	7.9	35	14	21	NA	NA	NA
Aug-96	7.1678	2.5	21	41	33	69	NA	NA	NA
Feb-97	7.1678						NA	NA	NA
May-97	7.1678	2.5	10	41	26	77	NA	NA	NA
Nov-97	7.1678	2.5	2.5	63	25	5.7	NA	NA	NA
May-98	7.1678	2.5	2.5	39	2.5	8.1	NA	NA	NA
Nov-98	7.1678	2.5	8.8	69	53	40	NA	NA	NA
Feb-99	7.1678	2.5	2.5	93	140	74	NA	NA	NA
Aug-99	7.1678	2.5	2.5	60	2.5	61	NA	NA	NA
Feb-00	7.1678	2.5	11	95	140	61	NA	NA	NA
Aug-00	7.1678	2.5	2.5	69	130	8.2	NA	NA	NA
Feb-01	7.1678	2.5	2.5	53	55	24	NA	NA	NA
Aug-01	7.1678	2.5	2.5	55	75	26	NA	NA	NA
May-02	7.1678	2.5	2.5	59	35	25	NA	NA	NA
Aug-02	7.1678	2.5	4.2	64	39	2.5	NA	NA	NA
May-03	7.1678	2.5	6.5	42	32	26	NA	NA	NA
Aug-03	7.1678	2.5	2.5	88	30	55	NA	NA	NA
May-04	7.1678	2.5	8.5	64	8.9	28	NA	NA	NA
Aug-04	7.1678	2.5	6.1	40	23	21	NA	NA	NA
Feb-05	7.1678	2.5	2.5	50	2.5	2.5	NA	NA	NA
Aug-05	7.1678	2.5	2.5	64	38	2.5	NA	NA	NA
Mar-06	7.1678	2.5	2.5	54.4	25.9	35.2	NA	NA	NA
Sep-06	7.1678	2.5	19.8	18.9	2.5	2.5	NA	NA	NA
Mar-07	7.1678	11.3	14.1	52.7	41.5	28	NA	NA	NA
Sep-07	7.1678	10	12.8	58.6	37.8	26.7	NA	NA	NA
Mar-08	7.1678	2.5	9.7	66.2	48.1	25.7	NA	NA	NA
Sep-08	7.1678	2.5	2.5	45	2.5	16.8	NA	NA	NA
Mar-09	7.1678	2.5	8.5	53.8	28.1	15.6	NA	NA	NA
Sep-09	7.1678	70	204	47.8	18.9	272	NA	NA	NA
Mar-10	7.1678	2.5	2.5	38	18.9	17.5	NA	NA	NA
Sep-10	7.1678	8.6	7.9	44.4	29.9	21.3	NA	NA	NA
Mar-11	7.1678	2.5	2.5	31.1	16.9	16	NA	NA	NA
Sep-11	7.1678	2.5	2.5	29.1	14.9	13.6	NA	NA	NA
Mar-12	7.1678	2.5	7.6	53.6	37.4	18.9	NA	NA	NA
Nov-12	7.1678	2.5	2.5	26.8	17.6	7.2	NA	NA	NA
Apr-13	7.1678	2.5	6.8	31.5	17.7	15.3	NA	NA	NA
Sep-13	7.1678	2.5	14.4	18.3	14.1	10.8	NA	NA	NA
Mar-14	7.1678	2.5	8.3	40.4	25.8	19.2	NA	NA	NA
Sep-14	7.1678	2.5	7.3	41.5	12.5	12.5	NA	NA	NA
Mar-15	7.1678	1.94	7.56	9.7	9.7	14	NA	NA	NA
Sep-15	7.1678	1.94	6.99	33.3	9.7	10.8	NA	NA	NA
Jun-16	7.1678	6.72	12.2	59.2	49	31.9	NA	NA	NA
Oct-16	7.1678	5.4	12.8	10.8	6.75	9.45	NA	NA	NA
Apr-17	7.1678	2.34	2.34	28.9	18.8	14.0	NA	NA	NA
Sep-17	7.1678	2.34	5.98	11.7	11.7	2.34	2.34	10.7	2.34
Apr-18	7.1678	2.35	7.95	25.8	16.7	12.8	2.35	6.33	4.7
Sep-18	7.1678	2.35	2.35	22.8	14.2	12.4	2.35	2.35	2.35
Apr-19	6.5565	2.4	23.4	36.3	4.8	16.4	2.4	12.8	9.53
Sep-19	6.5565	2.4	20.8	48.1	28.6	26.2	2.4	11.4	35.7
Apr-20	6.5650	5.1	45.7	33.1	11.2	12.8	2.4	8.63	5.52
Sep-20	6.5650	2.4	38	43.1	20.6	4.8	2.4	7.93	10.4
Apr-21	6.7410	2.4	112	69.9	21.1	26.6	2.4	12.9	8.83
Sep-21	6.7410	5.72	31.4	43.2	24.8	26.1	6.39	24.1	14.1
Apr-22	6.7410	2.4	112	63.5	12	22.6	9.19	14.4	12
Sep-22	6.7410	2.4	22.0	33.9	20.2	12.6	2.4	11.3	10.1
Mar-23	6.7410	2.4	5.35	20	10.4	12.9	2.4	7.85	5.7
Sep-23	6.7410	2.4	12.8	24	2.4	8.79	2.4	16.6	5.84
Apr-24	6.7410	6.49	17	34.2	19.2	19.2	6.17	59.4	12.9
Aug-24	6.7410	2.4	13.1	33.9	25.6	11.8	5.12	17.4	9.1

Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

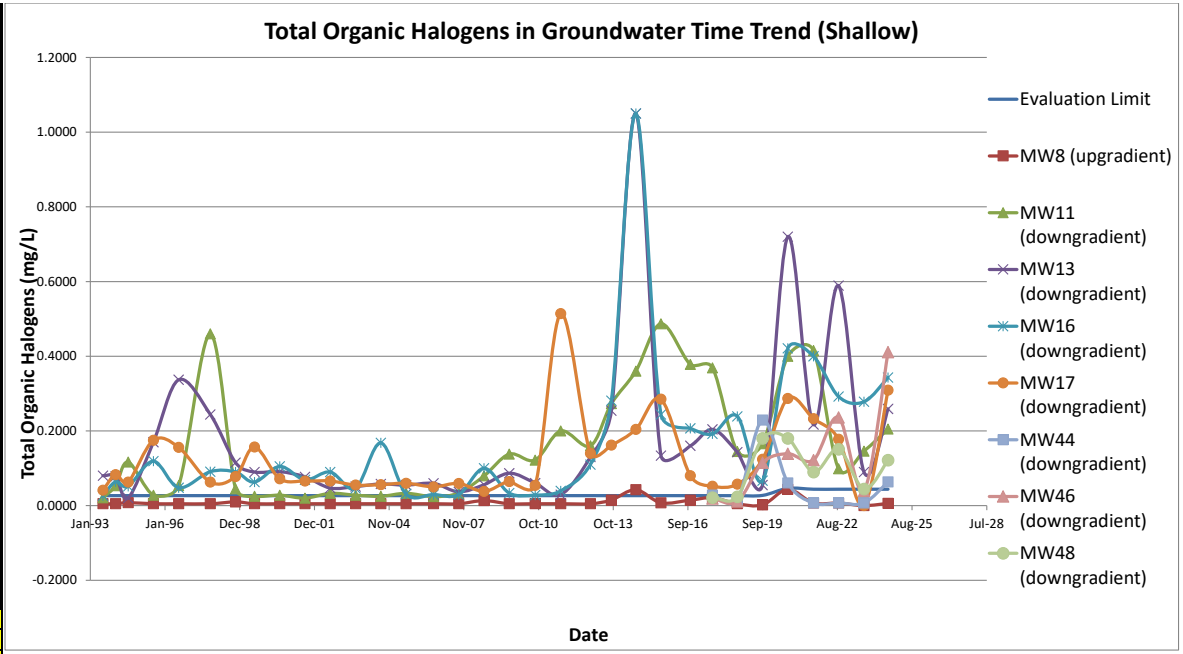


Date	Eval Limits	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Aug-93	0.0087	0.001	0.001	0.012	0.0105	0.001	NA	NA	NA
Feb-94	0.0087	0.0025	0.0025	0.0025	0.0025	0.0025	NA	NA	NA
Aug-94	0.0087	0.0005	0.002	0.0005	0.001	0.0145	NA	NA	NA
Feb-95	0.0087	NA	0.01	NA	NA	0.01	NA	NA	NA
Aug-95	0.0087	0.01	0.01	0.01	0.01	0.01	NA	NA	NA
Aug-96	0.0087	0.01	0.01	0.01	0.01	0.026	NA	NA	NA
Nov-97	0.0087	0.01	0.01	0.2035	0.01	0.01	NA	NA	NA
Nov-98	0.0087	0.01	0.01	0.171	0.01	0.01	NA	NA	NA
Aug-99	0.0087	0.01	0.01	0.082	0.01	0.01	NA	NA	NA
Aug-00	0.0087	0.01	0.01	0.01	0.01	0.01	NA	NA	NA
Aug-01	0.0087	0.01	0.01	0.032	0.01	0.01	NA	NA	NA
Aug-02	0.0087	0.01	0.01	0.034	0.01	0.01	NA	NA	NA
Aug-03	0.0087	0.01	0.01	0.029	0.01	0.01	NA	NA	NA
Aug-04	0.0087	0.01	0.01	0.045	0.01	0.01	NA	NA	NA
Aug-05	0.0087	0.01	0.01	0.01	0.034	0.01	NA	NA	NA
Sep-06	0.0087	0.01	0.01	0.01	0.01	0.01	NA	NA	NA
Sep-07	0.0087	0.009	0.01	0.0216	0.01	0.01	NA	NA	NA
Sep-08	0.0087	0.01	0.009	0.009	0.01	0.009	NA	NA	NA
Sep-09	0.0087	0.009	0.01	0.01	0.01	0.009	NA	NA	NA
Sep-10	0.0087	0.01	0.01	0.01	0.009	0.01	NA	NA	NA
Sep-11	0.0087	0.01	0.01	0.01	0.009	0.01	NA	NA	NA
Nov-12	0.0087	0.01	0.01	0.01	0.01	0.01	NA	NA	NA
Sep-13	0.0087	0.0098	0.009	0.0092	0.0094	0.0092	NA	NA	NA
Sep-14	0.0087	0.0098	0.0098	0.01	0.0104	0.0106	NA	NA	NA
Sep-15	0.0087	0.0052	0.0052	0.0055	0.00585	0.0054	NA	NA	NA
Oct-16	0.0087	0.00273	0.002455	0.002455	0.002455	0.00273	NA	NA	NA
Sep-17	0.0087	0.00615	0.0059	0.0059	0.0060	0.0065	0.0063	0.0281	0.0057
Sep-18	0.0087	0.0067	0.00685	0.00685	0.0070	0.0067	0.007	0.0246	0.00715
Sep-19	0.0094	0.0075	0.0075	0.00705	0.0069	0.00735	0.0075	0.00705	0.00735
Sep-20	0.0095	0.00735	0.0072	0.00735	0.0075	0.0072	0.0075	0.0078	0.00735
Sep-21	0.0092	0.00635	0.00535	0.0061	0.006	0.00625	0.00625	0.00625	0.00635
Sep-22	0.0092	0.0076	0.0074	0.007	0.0073	0.007	0.007	0.007	0.0077
Sep-23	0.0092	0.0076	0.0074	0.007	0.0073	0.007	0.007	0.007	0.0077
Aug-24	0.0092	0.0076	0.0074	0.007	0.0073	0.007	0.007	0.007	0.0077



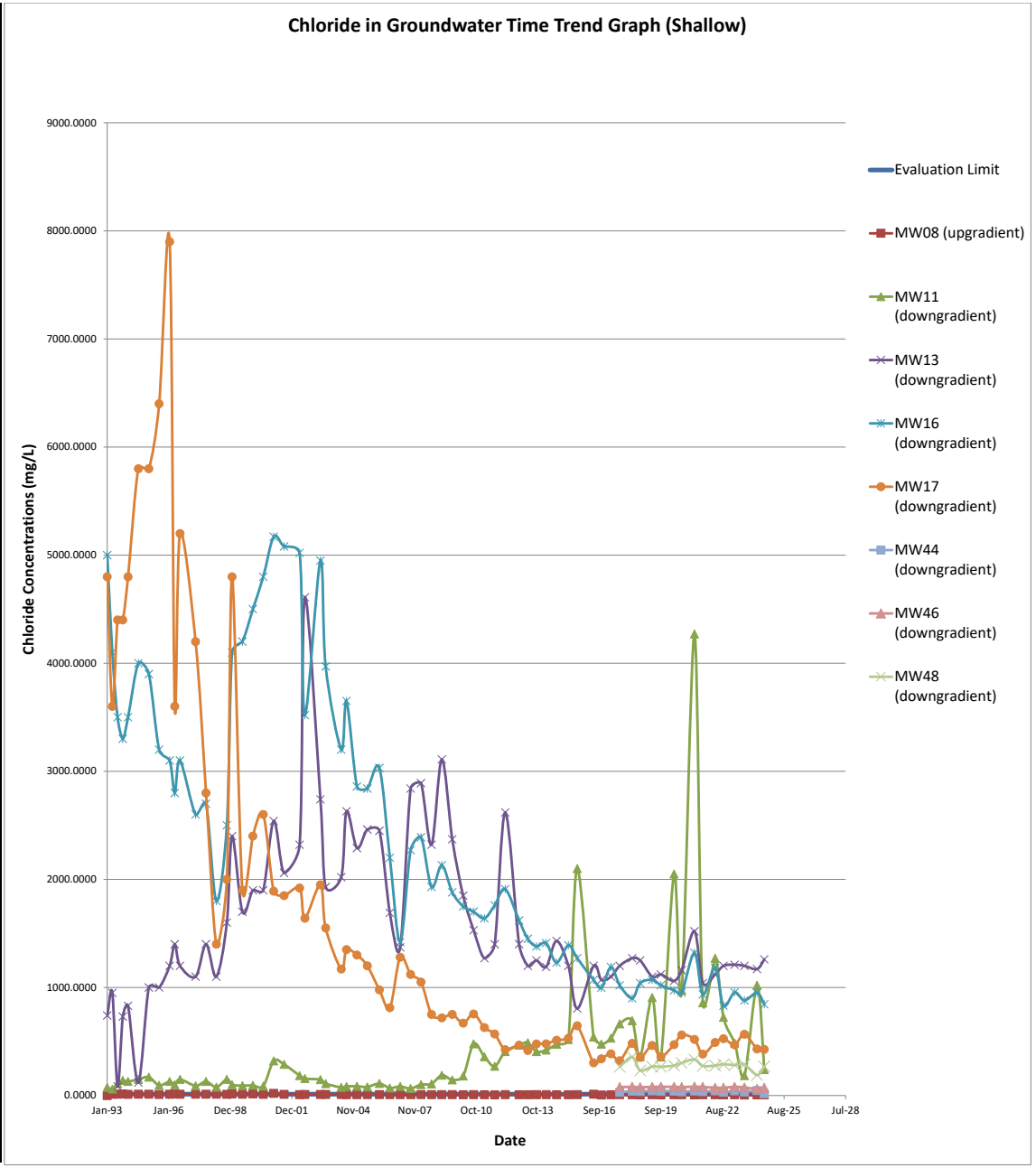
Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

Date	Eval Limits	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Aug-93	0.0267	0.005	0.021	0.08	0.0265	0.0415	NA	NA	NA
Feb-94	0.0267	0.005	0.0535	0.0785	0.064	0.083	NA	NA	NA
Aug-94	0.0267	0.008	0.1165	0.0205	0.0515	0.063	NA	NA	NA
Aug-95	0.0267	0.005	0.028	0.17	0.119	0.175	NA	NA	NA
Aug-96	0.0267	0.005	0.054	0.337	0.048	0.156	NA	NA	NA
Nov-97	0.0267	0.005	0.46	0.244	0.091	0.063	NA	NA	NA
Nov-98	0.0267	0.01	0.045	0.115	0.09	0.078	NA	NA	NA
Aug-99	0.0267	0.005	0.025	0.09	0.063	0.157	NA	NA	NA
Aug-00	0.0267	0.005	0.028	0.091	0.105	0.072	NA	NA	NA
Aug-01	0.0267	0.005	0.02	0.077	0.069	0.066	NA	NA	NA
Aug-02	0.0267	0.005	0.033	0.047	0.09	0.066	NA	NA	NA
Aug-03	0.0267	0.005	0.028	0.051	0.046	0.055	NA	NA	NA
Aug-04	0.0267	0.005	0.025	0.058	0.168	0.056	NA	NA	NA
Aug-05	0.0267	0.005	0.033	0.055	0.031	0.06	NA	NA	NA
Sep-06	0.0267	0.005	0.0242	0.0596	0.0297	0.0503	NA	NA	NA
Sep-07	0.0267	0.005	0.0338	0.0369	0.0294	0.0595	NA	NA	NA
Sep-08	0.0267	0.0134	0.0795	0.056	0.1	0.038	NA	NA	NA
Sep-09	0.0267	0.005	0.138	0.0868	0.0334	0.0645	NA	NA	NA
Sep-10	0.0267	0.005	0.122	0.0605	0.0282	0.0543	NA	NA	NA
Sep-11	0.0267	0.005	0.2	0.0293	0.0396	0.514	NA	NA	NA
Nov-12	0.0267	0.005	0.16	0.13	0.11	0.14	NA	NA	NA
Sep-13	0.0267	0.015	0.273	0.254	0.281	0.162	NA	NA	NA
Sep-14	0.0267	0.0425	0.36	1.05	1.05	0.204	NA	NA	NA
Sep-15	0.0267	0.0075	0.487	0.134	0.244	0.285	NA	NA	NA
Oct-16	0.0267	0.0147	0.378	0.16	0.207	0.0801	NA	NA	NA
Sep-17	0.0267	0.0210	0.369	0.204	0.192	0.0519	0.0283	0.0191	0.0215
Sep-18	0.0267	0.0050	0.145	0.143	0.239	0.0573	0.0155	0.011	0.0235
Sep-19	0.0274	0.0019	0.166	0.0552	0.0666	0.124	0.229	0.115	0.18
Sep-20	0.0462	0.0437	0.4	0.72	0.421	0.287	0.0606	0.139	0.18
Sep-21	0.0439	0.0070	0.415	0.217	0.4	0.233	0.007	0.122	0.0901
Sep-22	0.0439	0.0070	0.099	0.589	0.292	0.178	0.0070	0.236	0.151
Sep-23	0.0439	NA	0.146	0.090	0.278	0.280	0.0070	0.0395	0.0445
Aug-24	0.0439	0.00606	0.205	0.259	0.343	0.309	0.0635	0.411	0.122



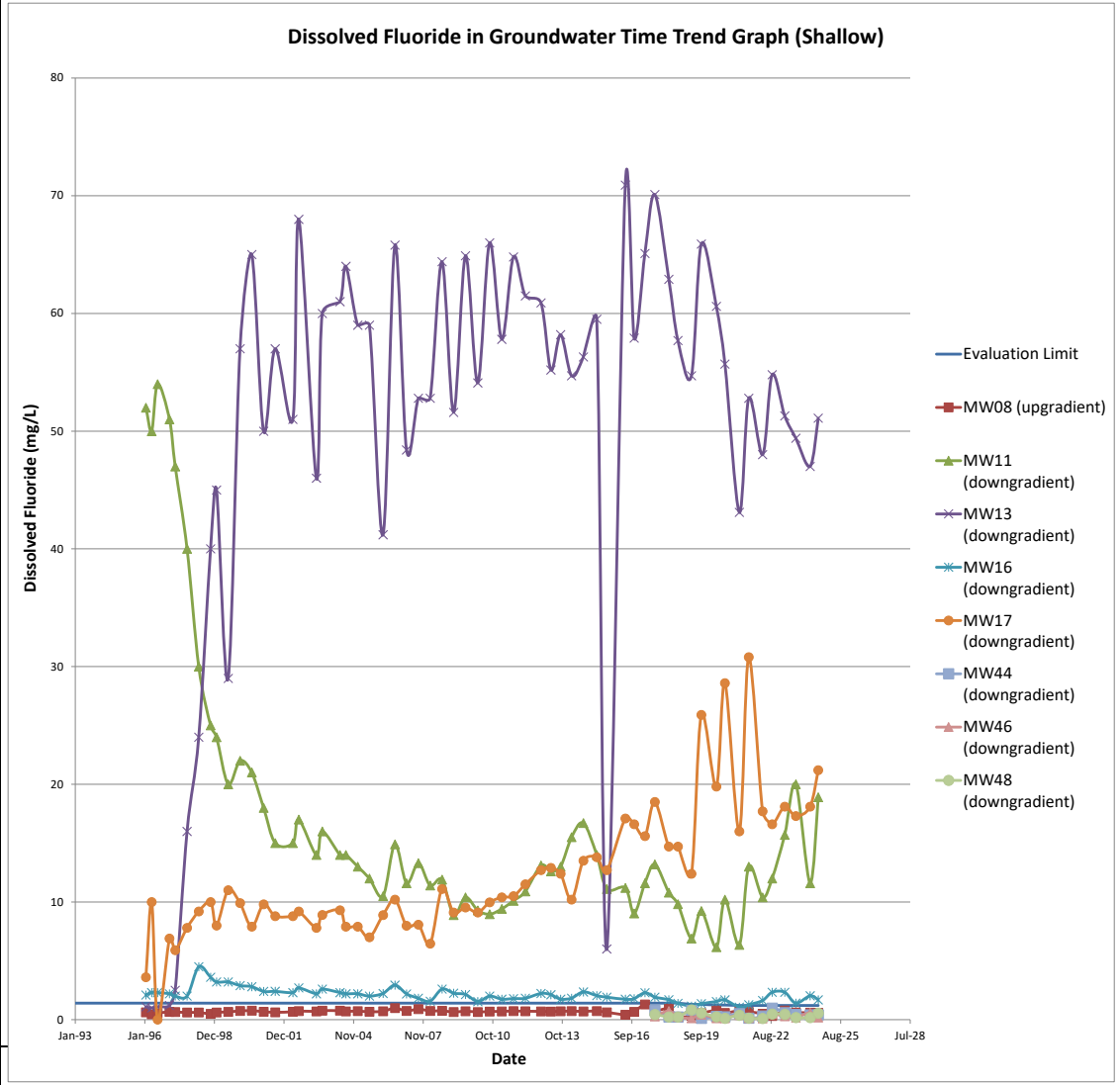
Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	12.6847	NA	75	740	5000	4800	NA	NA	NA
May-93	12.6847	12	60	950	4100	3600	NA	NA	NA
Aug-93	12.6847	12	110	85	3500	4400	NA	NA	NA
Nov-93	12.6847	15	140	730	3300	4400	NA	NA	NA
Feb-94	12.6847	11	130	830	3500	4800	NA	NA	NA
Aug-94	12.6847	12	150	120	4000	5800	NA	NA	NA
Feb-95	12.6847	13	170	1000	3900	5800	NA	NA	NA
Aug-95	12.6847	9.4	94	1000	3200	6400	NA	NA	NA
Feb-96	12.6847	12	130	1200	3100	7900	NA	NA	NA
May-96	12.6847	14	100	1400	2800	3600	NA	NA	NA
Aug-96	12.6847	12	150	1200	3100	5200	NA	NA	NA
May-97	12.6847	12	90	1100	2600	4200	NA	NA	NA
Nov-97	12.6847	12	130	1400	2700	2800	NA	NA	NA
May-98	12.6847	13	78	1100	1800	1400	NA	NA	NA
Nov-98	12.6847	11	150	1600	2500	2000	NA	NA	NA
Feb-99	12.6847	15	100	2400	4100	4800	NA	NA	NA
Aug-99	12.6847	12	92	1700	4200	1900	NA	NA	NA
Feb-00	12.6847	15	94	1900	4500	2400	NA	NA	NA
Aug-00	12.6847	11	87	1900	4800	2600	NA	NA	NA
Feb-01	12.6847	20	320	2540	5170	1890	NA	NA	NA
Aug-01	12.6847	11.3	288	2060	5080	1850	NA	NA	NA
May-02	12.6847	9.1	185	2320	5020	1920	NA	NA	NA
Aug-02	12.6847	9.5	157	4610	3520	1640	NA	NA	NA
May-03	12.6847	10.4	147	2740	4950	1950	NA	NA	NA
Aug-03	12.6847	9.6	110	1930	3970	1550	NA	NA	NA
May-04	12.6847	9.6	74.8	2020	3200	1170	NA	NA	NA
Aug-04	12.6847	8.8	84.9	2630	3650	1350	NA	NA	NA
Feb-05	12.6847	8.9	85.6	2290	2860	1300	NA	NA	NA
Aug-05	12.6847	8.6	79.8	2460	2840	1200	NA	NA	NA
Mar-06	12.6847	8.72	111	2450	3030	978	NA	NA	NA
Sep-06	12.6847	8.24	69.8	1690	2200	812	NA	NA	NA
Mar-07	12.6847	8.25	84.1	1370	1420	1280	NA	NA	NA
Sep-07	12.6847	8.65	65.1	2840	2270	1120	NA	NA	NA
Mar-08	12.6847	8.88	101	2890	2390	1050	NA	NA	NA
Sep-08	12.6847	8.09	108	2320	1930	750	NA	NA	NA
Mar-09	12.6847	8.15	188	3110	2130	718	NA	NA	NA
Sep-09	12.6847	8.05	145	2370	1880	750	NA	NA	NA
Mar-10	12.6847	7.12	180	1850	1750	670	NA	NA	NA
Sep-10	12.6847	9.01	478	1530	1700	755	NA	NA	NA
Mar-11	12.6847	7.72	359	1270	1640	628	NA	NA	NA
Sep-11	12.6847	6.42	271	1400	1760	569	NA	NA	NA
Mar-12	12.6847	7.96	407	2620	1910	424	NA	NA	NA
Nov-12	12.6847	7.72	467	1400	1620	465	NA	NA	NA
Apr-13	12.6847	7.62	489	1200	1450	417	NA	NA	NA
Sep-13	12.6847	8.2	407	1250	1380	477	NA	NA	NA
Mar-14	12.6847	8.39	421	1190	1410	478	NA	NA	NA
Sep-14	12.6847	7.95	474	1430	1230	512	NA	NA	NA
Mar-15	12.6847	7.4	518	1200	1390	530	NA	NA	NA
Sep-15	12.6847	9.04	2100	804	1270	645	NA	NA	NA
Jun-16	12.6847	12.6	541	1200	1070	302	NA	NA	NA
Oct-16	12.6847	4.33	476	1070	997	340	NA	NA	NA
Apr-17	12.6847	7.48	531	1100	1190	386	NA	NA	NA
Sep-17	12.6847	8.08	663	1200	1020	322	29.5	77.7	266
Apr-18	12.6847	7.23	693	1270	900	482	40.1	80.4	356
Sep-18	12.6847	6.5	359	1250	1040	352	37.4	77.1	232
Apr-19	11.9312	7.64	907	1100	1070	463	43	80	268
Sep-19	11.9312	6.34	356	1120	1020	360	38.6	81.5	266
Apr-20	11.4224	7.45	2050	1060	974	471	41.2	80.4	277
Sep-20	11.4224	7.07	974	1160	953	561	34	78.1	301
Apr-21	11.0037	6.58	4270	1520	1320	519	42.6	82	334
Sep-21	11.0037	6.99	858	1040	935	384	35	79.2	274
Apr-22	11.0037	6.71	1270	1120	1180	491	43.6	71.5	277
Sep-22	11.0037	6.38	723	1200	831	526	30.0	71.8	289
Mar-23	11.0037	7.00	485	1210	955	470	43.8	80.6	282
Sep-23	11.0037	5.21	185	1200	880	567	33.3	74.7	287
Apr-24	11.0037	6.50	1020	1170	951	431	45.3	61.4	190
Aug-24	11.0037	6.61	240	1260	844	427	16.7	72.4	269



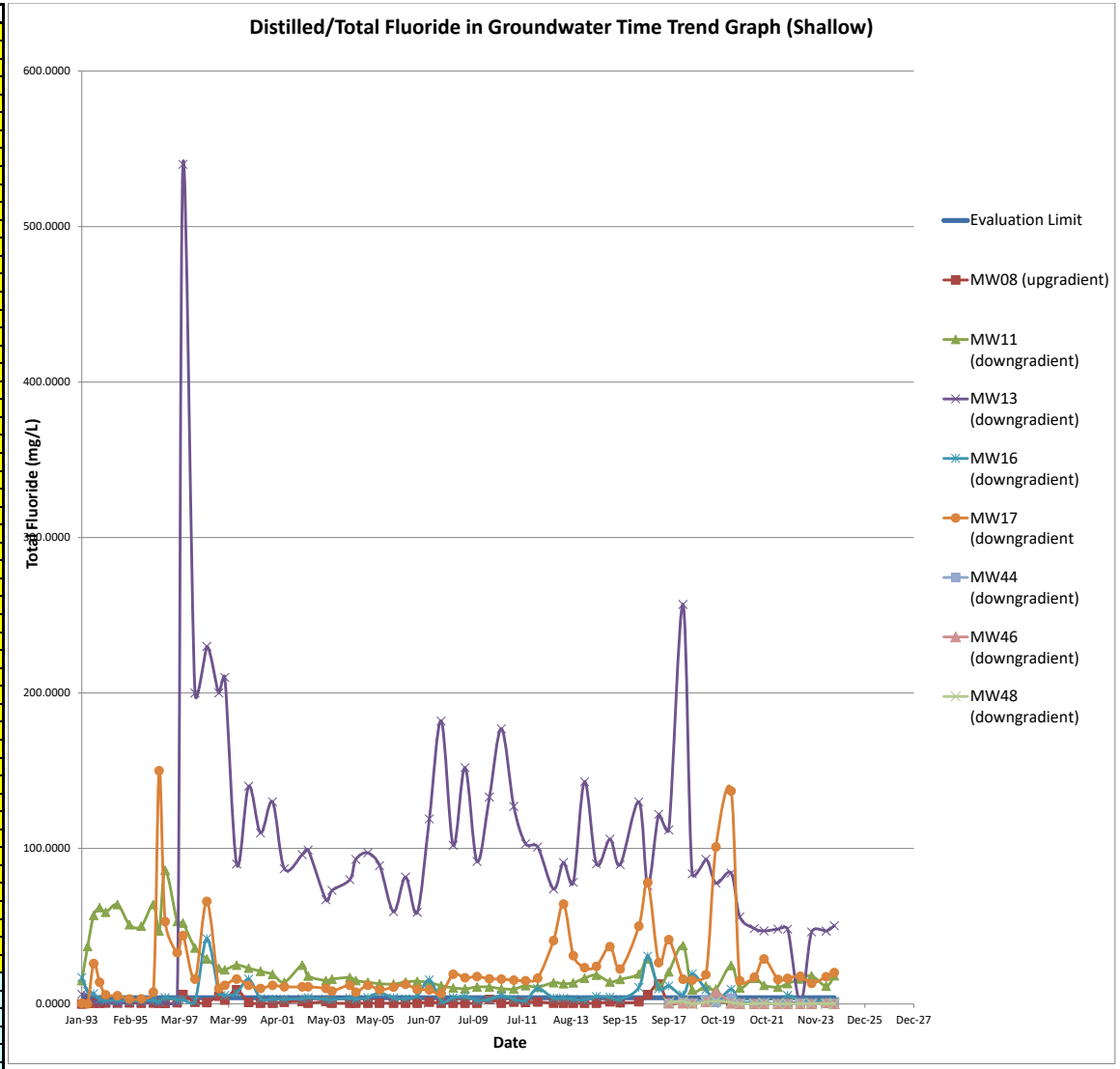
Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
May-93	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
Aug-93	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
Nov-93	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
Feb-94	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
Aug-94	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
Feb-95	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
Aug-95	1.402801	NA	NA	NA	NA	NA	NA	NA	NA
Feb-96	1.402801	0.63	52	1.1	2.1	3.6	NA	NA	NA
May-96	1.402801	0.46	50	1	2.3	10	NA	NA	NA
Aug-96	1.402801	0.56	54	1.1	2.3	NA	NA	NA	NA
Feb-97	1.402801	0.66	51	1.2	2.2	6.9	NA	NA	NA
May-97	1.402801	0.65	47	2.5	2	5.9	NA	NA	NA
Nov-97	1.402801	0.61	40	16	2	7.8	NA	NA	NA
May-98	1.402801	0.61	30	24	4.5	9.2	NA	NA	NA
Nov-98	1.402801	0.49	25	40	3.6	10	NA	NA	NA
Feb-99	1.402801	0.61	24	45	3.2	8	NA	NA	NA
Aug-99	1.402801	0.66	20	29	3.2	11	NA	NA	NA
Feb-00	1.402801	0.74	22	57	2.9	9.9	NA	NA	NA
Aug-00	1.402801	0.76	21	65	2.8	7.9	NA	NA	NA
Feb-01	1.402801	0.68	18	50	2.4	9.8	NA	NA	NA
Aug-01	1.402801	0.62	15	57	2.4	8.8	NA	NA	NA
May-02	1.402801	0.67	15	51	2.3	8.8	NA	NA	NA
Aug-02	1.402801	0.73	17	68	2.7	9.2	NA	NA	NA
May-03	1.402801	0.7	14	46	2.2	7.8	NA	NA	NA
Aug-03	1.402801	0.77	16	60	2.6	8.9	NA	NA	NA
May-04	1.402801	0.76	14	61	2.3	9.3	NA	NA	NA
Aug-04	1.402801	0.7	14	64	2.2	7.9	NA	NA	NA
Feb-05	1.402801	0.73	13	59	2.2	7.9	NA	NA	NA
Aug-05	1.402801	0.67	12	59	2	7	NA	NA	NA
Mar-06	1.402801	0.709	10.5	41.2	2.23	8.89	NA	NA	NA
Sep-06	1.402801	0.987	14.9	65.8	2.94	10.2	NA	NA	NA
Mar-07	1.402801	0.735	11.6	48.4	2.19	7.98	NA	NA	NA
Sep-07	1.402801	0.901	13.3	52.8	1.82	8.07	NA	NA	NA
Mar-08	1.402801	0.735	11.4	52.8	1.57	6.46	NA	NA	NA
Sep-08	1.402801	0.755	11.9	64.4	2.6	11.1	NA	NA	NA
Mar-09	1.402801	0.652	8.89	51.6	2.25	9.1	NA	NA	NA
Sep-09	1.402801	0.717	10.4	64.9	2.14	9.53	NA	NA	NA
Mar-10	1.402801	0.653	9.29	54.1	1.54	9.11	NA	NA	NA
Sep-10	1.402801	0.69	8.96	66	2	9.97	NA	NA	NA
Mar-11	1.402801	0.704	9.41	57.8	1.74	10.4	NA	NA	NA
Sep-11	1.402801	0.732	10.1	64.8	1.79	10.5	NA	NA	NA
Mar-12	1.402801	0.717	10.9	61.5	1.82	11.5	NA	NA	NA
Nov-12	1.402801	0.704	13.1	60.9	2.23	12.7	NA	NA	NA
Apr-13	1.402801	0.688	12.6	55.2	2.12	12.9	NA	NA	NA
Sep-13	1.402801	0.71	13	58.2	1.74	12.4	NA	NA	NA
Mar-14	1.402801	0.722	15.5	54.7	1.83	10.2	NA	NA	NA
Sep-14	1.402801	0.704	16.7	56.3	2.36	13.5	NA	NA	NA
Mar-15	1.402801	0.73	14	59.5	2.04	13.8	NA	NA	NA
Sep-15	1.402801	0.626	11.1	6	1.91	12.7	NA	NA	NA
Jun-16	1.402801	0.424	11.2	70.9	1.73	17.1	NA	NA	NA
Oct-16	1.402801	0.661	9.03	57.9	1.78	16.6	NA	NA	NA
Apr-17	1.402801	1.29	11.6	65.1	2.29	15.6	NA	NA	NA
Sep-17	1.402801	0.765	13.2	70.1	1.92	18.5	0.786	0.270	0.447
Apr-18	1.402801	0.936	10.8	62.9	1.69	14.7	0.231	0.743	0.231
Sep-18	1.402801	0.231	9.81	57.7	1.39	14.7	0.231	0.231	0.231
Apr-19	1.2975	0.337	6.9	54.7	1.15	12.4	0.798	0.125	0.826
Sep-19	1.2975	0.558	9.23	65.9	1.36	25.9	0.125	0.426	0.569
Apr-20	1.2421	0.781	6.16	60.6	1.54	19.8	0.291	0.115	0.244
Sep-20	1.2421	0.567	10.2	55.7	1.68	28.6	0.244	0.115	0.115
Apr-21	1.2046	0.766	6.35	43.1	1.06	16	0.522	0.396	0.379
Sep-21	1.2046	0.666	13	52.8	1.27	30.8	0.1375	0.138	0.1375
Apr-22	1.2046	0.511	10.4	48	1.63	17.7	0.310	0.110	0.110
Sep-22	1.2046	0.317	12.0	54.8	2.33	16.6	0.986	0.486	0.487
Mar-23	1.2046	0.777	15.7	51.3	2.33	18.1	0.596	0.283	0.452
Sep-23	1.2046	0.610	20.0	49.4	1.40	17.3	0.459	0.188	0.188
Apr-24	1.2046	0.598	11.6	47	2.03	18.1	0.420	0.589	0.188
Aug-24	1.2046	0.591	18.9	51.1	1.68	21.2	0.414	0.188	0.555



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

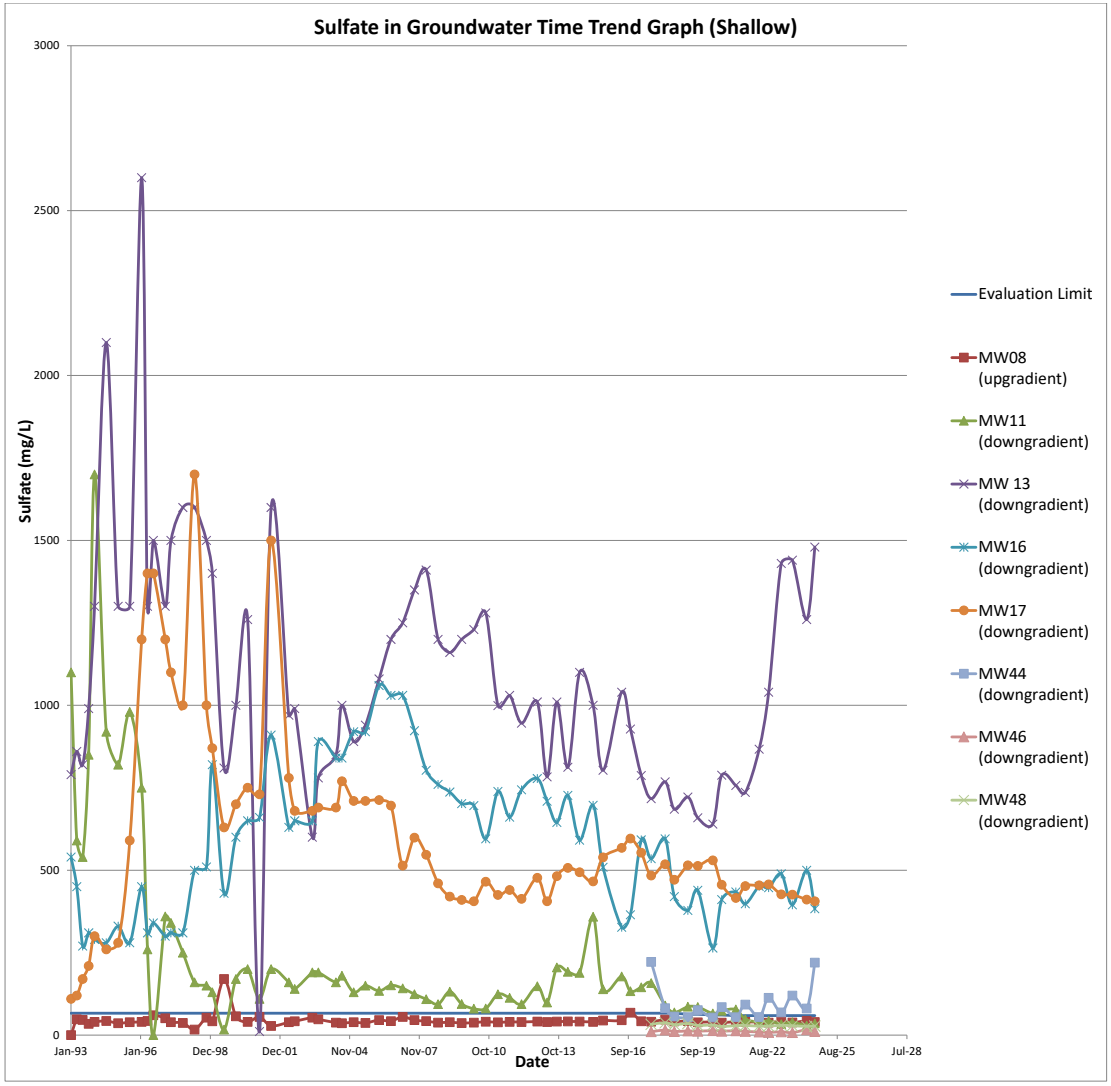
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	4.0000	NA	15	6.3	17	0.4	NA	NA	NA
May-93	4.0000	0.5	37	5.3	8.1	0.1	NA	NA	NA
Aug-93	4.0000	0.55	57	1.3	6.6	26	NA	NA	NA
Nov-93	4.0000	0.5	62	1.2	3	14	NA	NA	NA
Feb-94	4.0000	0.59	59	0.98	2.4	5.9	NA	NA	NA
Aug-94	4.0000	0.6	64	0.25	2.2	5.3	NA	NA	NA
Feb-95	4.0000	0.72	51	1.2	1.9	3.2	NA	NA	NA
Aug-95	4.0000	0.54	50	1.1	2.1	3.3	NA	NA	NA
Feb-96	4.0000	0.65	64	1.3	2.3	7.6	NA	NA	NA
May-96	4.0000	0.52	47	0.94	1.6	150	NA	NA	NA
Aug-96	4.0000	0.46	86	1.2	4	53	NA	NA	NA
Feb-97	4.0000	0.78	53	1.1	2.7	33	NA	NA	NA
May-97	4.0000	6.1	52	540	2.9	44	NA	NA	NA
Nov-97	4.0000	1.1	36	200	1.9	16	NA	NA	NA
May-98	4.0000	0.92	29	230	42	66	NA	NA	NA
Nov-98	4.0000	5	23	200	7.2	10	NA	NA	NA
Feb-99	4.0000	2.5	22	210	5.5	12	NA	NA	NA
Aug-99	4.0000	9.1	25	90	7	16	NA	NA	NA
Feb-00	4.0000	1	23	140	16	12	NA	NA	NA
Aug-00	4.0000	0.5	21	110	3.5	10	NA	NA	NA
Feb-01	4.0000	0.5	19	130	3.1	12	NA	NA	NA
Aug-01	4.0000	1.1	14	87	3	11	NA	NA	NA
May-02	4.0000	1.6	25	96	3.4	11	NA	NA	NA
Aug-02	4.0000	0.5	18	99	4.1	11	NA	NA	NA
May-03	4.0000	1.6	15	67	3.1	10	NA	NA	NA
Aug-03	4.0000	0.5	16	73	2.8	8.3	NA	NA	NA
May-04	4.0000	0.5	17	80	3.7	12	NA	NA	NA
Aug-04	4.0000	0.5	15	93	3	7.6	NA	NA	NA
Feb-05	4.0000	0.5	14	97.2	4.1	12	NA	NA	NA
Aug-05	4.0000	0.5	13	89	7.2	9.1	NA	NA	NA
Mar-06	4.0000	0.5	12.8	59.4	3.83	10.8	NA	NA	NA
Sep-06	4.0000	0.5	14.1	81.6	3.37	12.6	NA	NA	NA
Mar-07	4.0000	0.5	14.6	59	5.48	9.36	NA	NA	NA
Sep-07	4.0000	1.19	13.8	119	15.5	9.12	NA	NA	NA
Mar-08	4.0000	0.5	11.7	182	1.63	6.77	NA	NA	NA
Sep-08	4.0000	0.5	10.4	102	4.08	19.1	NA	NA	NA
Mar-09	4.0000	0.5	9.76	152	4.69	16.8	NA	NA	NA
Sep-09	4.0000	0.5	10.9	91.6	2.37	17.6	NA	NA	NA
Mar-10	4.0000	2.95	10.9	133	2.95	16.2	NA	NA	NA
Sep-10	4.0000	0.5	9.82	177	5.43	16	NA	NA	NA
Mar-11	4.0000	1.16	9.55	127	3.13	15.3	NA	NA	NA
Sep-11	4.0000	1.01	11.8	103	2.25	14.9	NA	NA	NA
Mar-12	4.0000	1.32	10.8	101	9.88	16.6	NA	NA	NA
Nov-12	4.0000	0.5	13.7	74	3.67	40.8	NA	NA	NA
Apr-13	4.0000	0.5	13	91	3.71	64.3	NA	NA	NA
Sep-13	4.0000	0.484	13.6	78.2	2.89	31.1	NA	NA	NA
Mar-14	4.0000	0.484	16.6	143	2.62	23.3	NA	NA	NA
Sep-14	4.0000	0.492	18.6	90.1	4.79	24.2	NA	NA	NA
Mar-15	4.0000	1.37	14.2	106	4.33	36.9	NA	NA	NA
Sep-15	4.0000	0.813	15.8	89.6	2.93	22.5	NA	NA	NA
Jun-16	4.0000	1.45	19.3	130	10.6	50	NA	NA	NA
Oct-16	4.0000	5.95	29.1	76.1	30.8	78.1	NA	NA	NA
Apr-17	4.0000	12.7	11.8	122	9.83	26.6	NA	NA	NA
Sep-17	4.0000	0.51	20.7	112	11.6	41.4	0.4585	0.51	0.975
Apr-18	4.0000	1.33	37.5	257	5.89	15.9	1.02	0.4835	1.72
Sep-18	4.0000	0.5	9.16	83.7	19.3	15.3	0.5	0.4915	0.05
Apr-19	4.0000	1.29	11.5	93.1	9.25	18.8	2.53	1.5	1.25
Sep-19	4.0000	1.37	9.64	77.7	1.79	101	1.04	7.71	1.84
Apr-20	4.0000	1.07	24.8	84.2	9.39	137	3.78	0.455	1.03
Sep-20	4.0000	0.58	10.4	56	1.59	14.9	0.257	0.115	0.115
Apr-21	4.0000	0.619	16.6	48.5	1.04	17.2	0.1375	0.1375	0.1375
Sep-21	4.0000	0.1375	12	47	1.14	29	0.554	0.1375	0.426
Apr-22	4.0000	0.11	10.8	48.1	0.11	15.8	0.11	0.11	0.11
Sep-22	4.0000	0.66	13.1	48.1	5.46	16.5	0.11	0.11	0.11
Mar-23	4.0000	0.679	16.1	0.11	2.25	17.8	0.478	0.11	0.189
Sep-23	4.0000	0.455	18.1	46.3	1.41	13.2	0.188	0.188	0.188
Apr-24	4.0000	0.629	11.5	46.90	2.04	17.5	0.426	0.709	0.188
Aug-24	4.0000	0.599	18.2	50.30	1.72	20.2	0.494	0.188	0.188



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

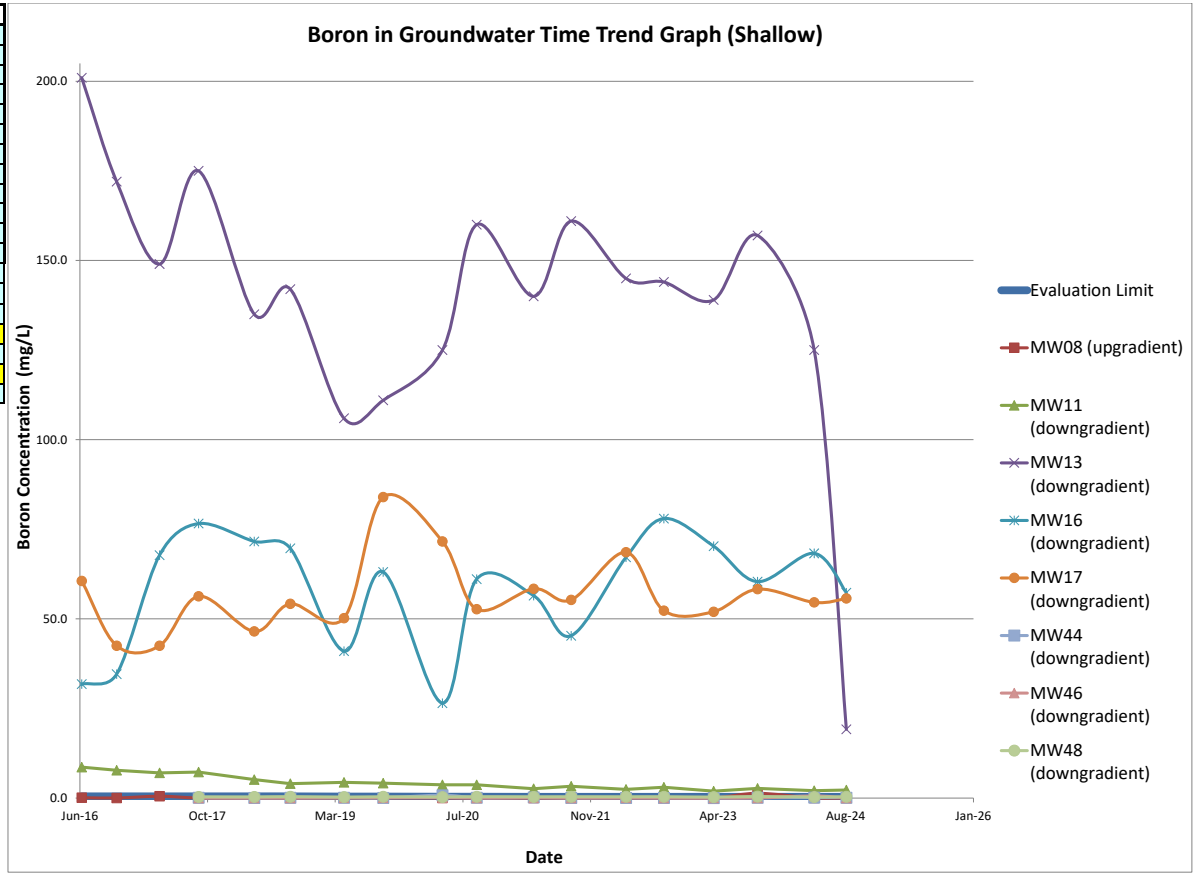
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	66.39285	NA	1100	790	540	110	NA	NA	NA
May-93	66.39285	48	590	860	450	120	NA	NA	NA
Aug-93	66.39285	46	540	820	270	170	NA	NA	NA
Nov-93	66.39285	34	850	990	310	210	NA	NA	NA
Feb-94	66.39285	40	1700	1300	290	300	NA	NA	NA
Aug-94	66.39285	43	920	2100	280	260	NA	NA	NA
Feb-95	66.39285	36	820	1300	330	280	NA	NA	NA
Aug-95	66.39285	39	980	1300	280	590	NA	NA	NA
Feb-96	66.39285	40	750	2600	450	1200	NA	NA	NA
May-96	66.39285	43	260	1300	310	1400	NA	NA	NA
Aug-96	66.39285	60	NA	1500	340	1400	NA	NA	NA
Feb-97	66.39285	51	360	1300	300	1200	NA	NA	NA
May-97	66.39285	39	340	1500	310	1100	NA	NA	NA
Nov-97	66.39285	37	250	1600	310	1000	NA	NA	NA
May-98	66.39285	17	160	1600	500	1700	NA	NA	NA
Nov-98	66.39285	53	150	1500	510	1000	NA	NA	NA
Feb-99	66.39285	42	130	1400	820	870	NA	NA	NA
Aug-99	66.39285	170	17	810	430	630	NA	NA	NA
Feb-00	66.39285	57	170	1000	600	700	NA	NA	NA
Aug-00	66.39285	40	200	1260	650	750	NA	NA	NA
Feb-01	66.39285	55	110	11	660	730	NA	NA	NA
Aug-01	66.39285	28	200	1600	910	1500	NA	NA	NA
May-02	66.39285	39	160	970	630	780	NA	NA	NA
Aug-02	66.39285	42	140	990	650	680	NA	NA	NA
May-03	66.39285	53	190	600	650	680	NA	NA	NA
Aug-03	66.39285	48	190	780	890	690	NA	NA	NA
May-04	66.39285	37.7	160	850	840	690	NA	NA	NA
Aug-04	66.39285	36	180	1000	840	770	NA	NA	NA
Feb-05	66.39285	39	130	890	920	710	NA	NA	NA
Aug-05	66.39285	37	150	940	920	710	NA	NA	NA
Mar-06	66.39285	45.6	134	1080	1060	713	NA	NA	NA
Sep-06	66.39285	42.6	151	1200	1030	696	NA	NA	NA
Mar-07	66.39285	55.2	142	1250	1030	514	NA	NA	NA
Sep-07	66.39285	45.4	124	1350	923	599	NA	NA	NA
Mar-08	66.39285	42.3	109	1410	803	547	NA	NA	NA
Sep-08	66.39285	38	94	1200	760	460	NA	NA	NA
Mar-09	66.39285	39.1	132	1160	737	420	NA	NA	NA
Sep-09	66.39285	36.7	94.4	1200	702	410	NA	NA	NA
Mar-10	66.39285	37.9	80.1	1230	696	406	NA	NA	NA
Sep-10	66.39285	40.6	80.5	1280	595	465	NA	NA	NA
Mar-11	66.39285	38.8	124	999	739	425	NA	NA	NA
Sep-11	66.39285	40.1	113	1030	661	440	NA	NA	NA
Mar-12	66.39285	39.8	93.8	946	744	413	NA	NA	NA
Nov-12	66.39285	41.1	148	1010	778	477	NA	NA	NA
Apr-13	66.39285	39.6	98.9	783	709	406	NA	NA	NA
Sep-13	66.39285	41.1	205	1010	645	482	NA	NA	NA
Mar-14	66.39285	41.3	192	812	727	507	NA	NA	NA
Sep-14	66.39285	41.2	189	1100	591	494	NA	NA	NA
Mar-15	66.39285	40.3	359	1000	697	466	NA	NA	NA
Sep-15	66.39285	44.4	139	803	509	539	NA	NA	NA
Jun-16	66.39285	45.1	178	1040	327	568	NA	NA	NA
Oct-16	66.39285	68.1	133	928	365	596	NA	NA	NA
Apr-17	66.39285	42.0	145	787	592	553	NA	NA	NA
Sep-17	66.39285	40.7	158	717	535	484	222	10.3	32.7
Apr-18	66.39285	46.8	89.9	768	595	518	81.5	15.4	37.5
Sep-18	66.39285	41.5	68.8	685	420	471	56.5	11	31.7
Apr-19	63.2519	42.5	86	722	378	515	54.1	12.7	35.1
Sep-19	63.2519	38.9	85.4	659	439	513	75.5	11.9	29.4
Apr-20	60.99	40.4	65.8	640	264	530	53.3	13.6	30.5
Sep-20	60.9898	37.7	74.1	788	411	456	84.8	12	26.3
Apr-21	59.1774	41.1	77.9	757	434	416	54.2	13.3	29
Sep-21	59.1774	40.2	48.4	736	398	452	92.5	11.2	29.3
Apr-22	59.1774	39.5	39.8	867	451	454	54.6	9.63	27.2
Sep-22	59.1774	37.9	43.4	1040	447	457	113	8.24	27.3
Mar-23	59.1774	41.9	33.4	1430	489	427	69.0	9.99	29.6
Sep-23	59.1774	38.3	39.2	1440	395	426	120	7.72	28.4
Apr-24	59.1774	43.3	29	1260	500	411	80.5	16.30	26.6
Aug-24	59.1774	39.8	35.7	1480	383	406	220.0	11.10	27.3

Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.



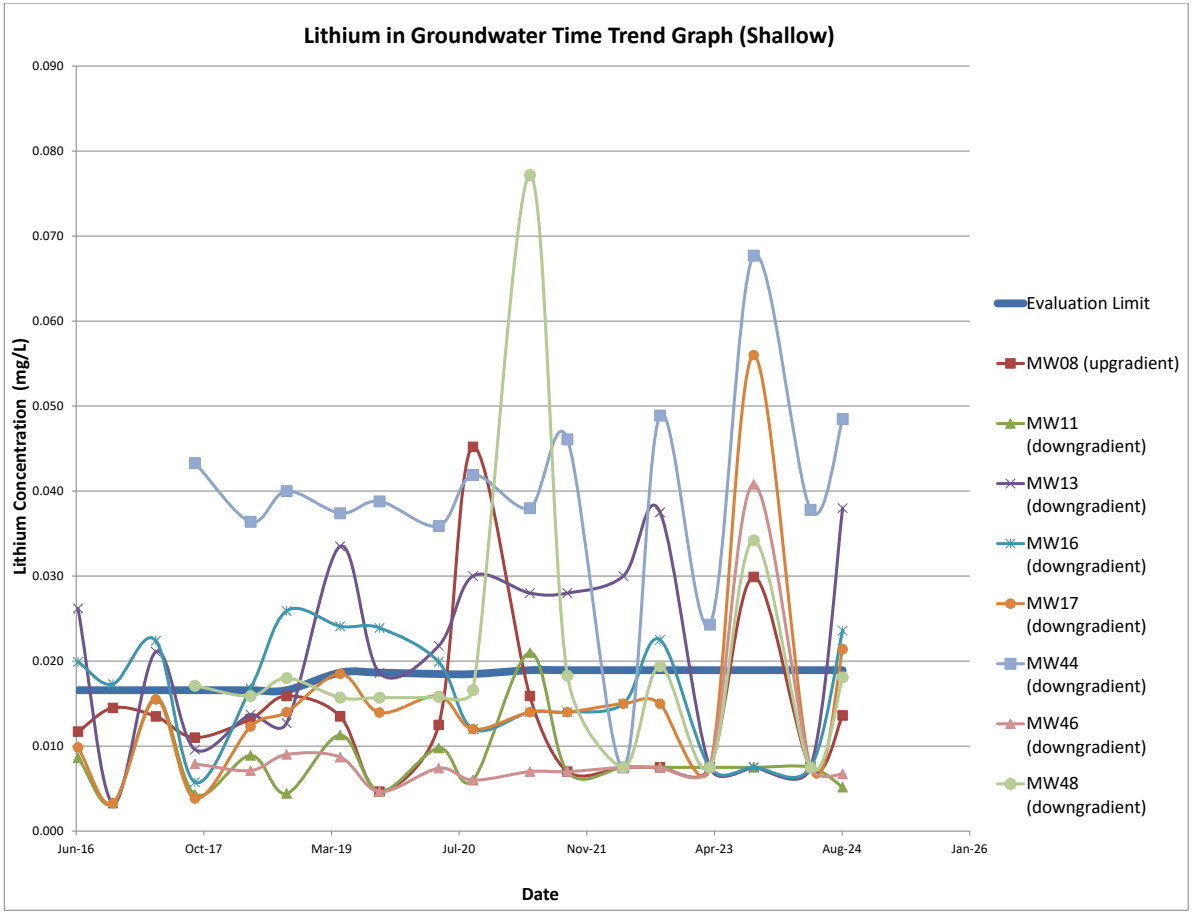
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.4850	0.1210	8.64	201	31.8	60.6	NA	NA	NA
Oct-16	0.485	0.0217	7.76	172	34.6	42.5	NA	NA	NA
Apr-17	0.485	0.520	7.01	149	67.8	42.5	NA	NA	NA
Sep-17	0.485	0.0231	7.24	175	76.6	56.3	0.110	0.0231	0.358
Apr-18	0.485	0.0375	5.15	135	71.6	46.5	0.064	0.0160	0.332
Sep-18	0.485	0.0418	4.03	142	69.7	54.2	0.090	0.0160	0.403
Apr-19	0.427	0.0550	4.37	106	41.0	50.2	0.129	0.0550	0.285
Sep-19	0.427	0.0785	4.15	111	63.1	84.0	0.076	0.0706	0.369
Apr-20	0.385	0.0365	3.73	125	26.5	71.6	0.807	0.139	0.314
Sep-20	0.385	0.0452	3.70	160	61.1	52.7	0.104	0.021	0.391
Apr-21	0.353	0.0280	2.63	140	56.5	58.4	0.190	0.063	0.359
Sep-21	0.353	0.0280	3.32	161	45.3	55.3	0.064	0.028	0.379
Apr-22	0.353	0.0280	2.43	145	67.2	68.6	0.0804	0.0625	0.364
Sep-22	0.353	0.0280	3.01	144	78.0	52.3	0.0605	0.0280	0.382
Mar-23	0.353	0.0305	1.94	139	70.3	52.0	0.0270	0.0305	0.280
Sep-23	0.353	1.33	2.69	157	60.4	58.3	0.102	0.0305	0.444
Apr-24	0.353	0.0305	2.05	125	68.3	54.6	0.1390	0.5910	0.278
Aug-24	0.353	0.0305	2.24	19.2	57.3	55.7	0.1270	0.0305	0.405

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.

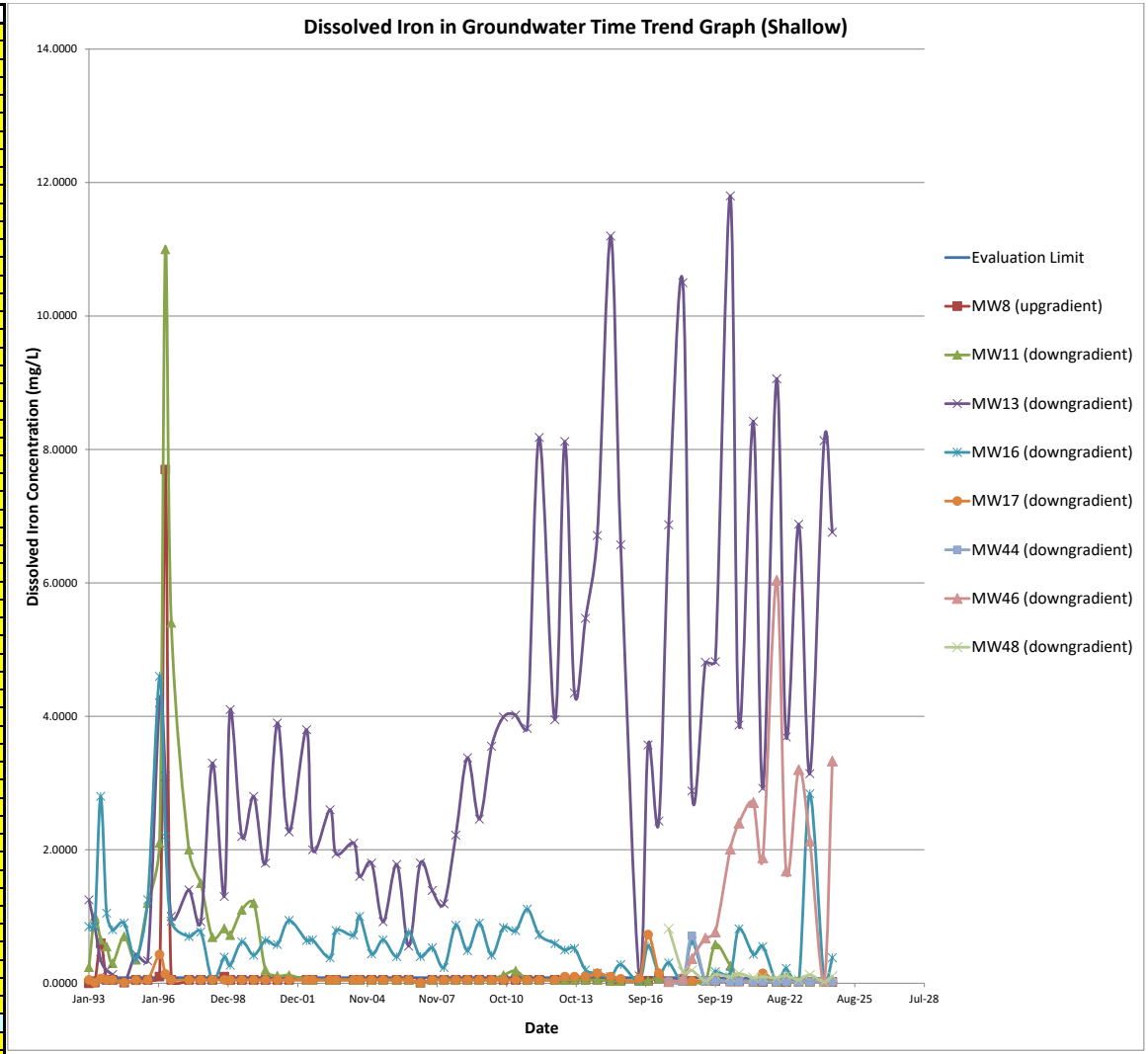


Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.01658	0.0117	0.00864	0.0262	0.0199	0.0099	NA	NA	NA
Oct-16	0.01658	0.0145	0.00328	0.00328	0.0173	0.0033	NA	NA	NA
Apr-17	0.01658	0.0135	0.0157	0.0211	0.0224	0.0155	NA	NA	NA
Sep-17	0.01658	0.0110	0.00432	0.0096	0.0058	0.0038	0.0433	0.00791	0.0171
Apr-18	0.01658	0.0132	0.00890	0.0137	0.0168	0.0123	0.0364	0.00713	0.0159
Sep-18	0.01658	0.0159	0.00443	0.0127	0.0259	0.0140	0.0400	0.00902	0.0180
Apr-19	0.01865	0.0135	0.01130	0.0335	0.0241	0.0185	0.0374	0.00870	0.0157
Sep-19	0.01865	0.00465	0.00465	0.0186	0.0239	0.0140	0.0388	0.00465	0.0157
Apr-20	0.01848	0.0125	0.00977	0.0218	0.0199	0.0159	0.0359	0.00740	0.0158
Sep-20	0.01848	0.0452	0.00600	0.0300	0.0120	0.0120	0.0419	0.00600	0.0166
Apr-21	0.01893	0.0159	0.02100	0.0280	0.0140	0.0140	0.0380	0.00700	0.0772
Sep-21	0.01893	0.0070	0.00700	0.0280	0.0140	0.0140	0.0461	0.00700	0.0183
Apr-22	0.01893	0.0075	0.0075	0.0300	0.0150	0.0150	0.0075	0.0075	0.0075
Sep-22	0.01893	0.0075	0.0075	0.0375	0.0225	0.0150	0.0489	0.0075	0.0194
Mar-23	0.01893	0.0075	0.0075	0.0075	0.0075	0.0075	0.0243	0.0075	0.0075
Sep-23	0.01893	0.0299	0.0075	0.0075	0.0075	0.0560	0.0677	0.0408	0.0342
Apr-24	0.01893	0.0075	0.0075	0.0075	0.0075	0.0075	0.0378	0.0075	0.0075
Aug-24	0.01893	0.0136	0.00516	0.0380	0.0236	0.0214	0.0485	0.00673	0.0181

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



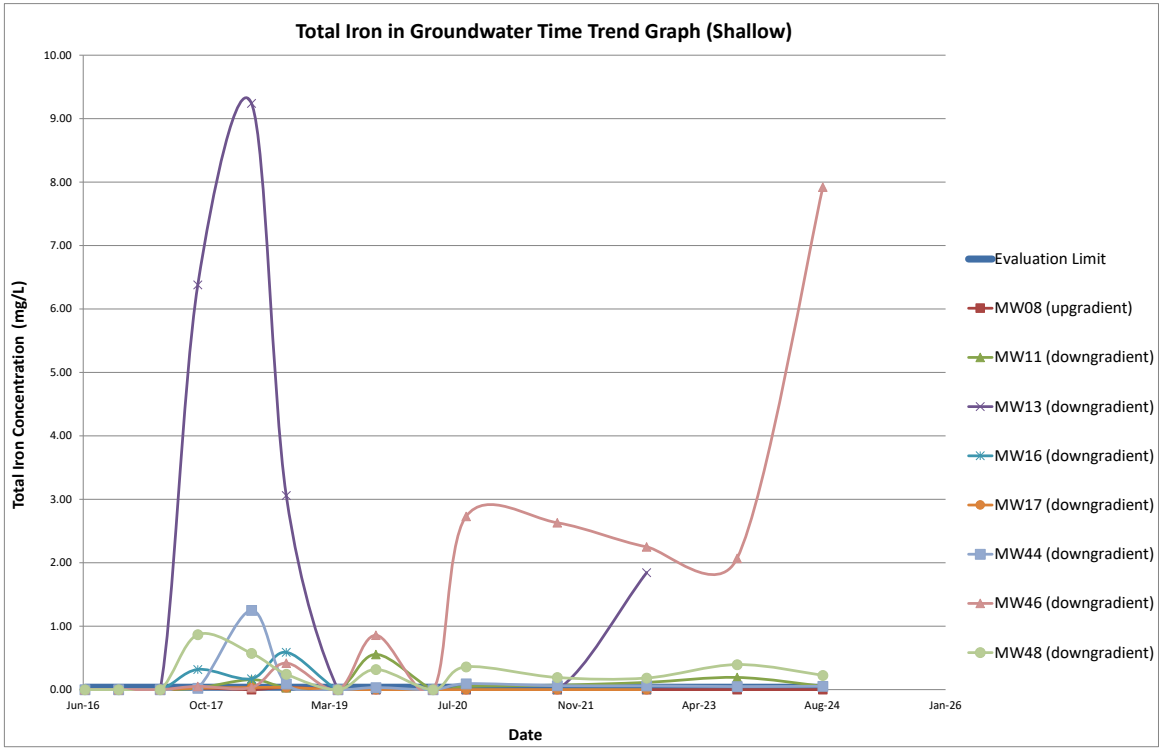
Date	Eval Limits	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Feb-93	0.0829	NA	0.24	1.25	0.85	0.05	NA	NA	NA
May-93	0.0829	0.01	1	0.85	0.85	0.01	NA	NA	NA
Aug-93	0.0829	0.6	0.65	0.35	2.8	0.07	NA	NA	NA
Nov-93	0.0829	0.05	0.55	0.195	1.05	0.05	NA	NA	NA
Feb-94	0.0829	0.05	0.3	0.13	0.8	0.05	NA	NA	NA
Aug-94	0.0829	0.01	0.7	0.01	0.9	0.01	NA	NA	NA
Feb-95	0.0829	0.05	0.35	0.435	0.36	0.05	NA	NA	NA
Aug-95	0.0829	0.05	1.2	0.335	1.25	0.05	NA	NA	NA
Feb-96	0.0829	0.1	2.1	4.2	4.6	0.43	NA	NA	NA
May-96	0.0829	7.7	11	3.1	2.2	0.14	NA	NA	NA
Aug-96	0.0829	0.05	5.4	1	0.93	0.05	NA	NA	NA
May-97	0.0829	0.05	2	1.4	0.7	0.05	NA	NA	NA
Nov-97	0.0829	0.05	1.5	0.92	0.77	0.05	NA	NA	NA
May-98	0.0829	0.05	0.69	3.3	0.05	0.05	NA	NA	NA
Nov-98	0.0829	0.1	0.82	1.3	0.39	0.05	NA	NA	NA
Feb-99	0.0829	0.05	0.72	4.1	0.27	0.05	NA	NA	NA
Aug-99	0.0829	0.05	1.1	2.2	0.62	0.05	NA	NA	NA
Feb-00	0.0829	0.05	1.2	2.8	0.42	0.05	NA	NA	NA
Aug-00	0.0829	0.05	0.2	1.8	0.64	0.05	NA	NA	NA
Feb-01	0.0829	0.05	0.11	3.9	0.58	0.05	NA	NA	NA
Aug-01	0.0829	0.05	0.12	2.27	0.94	0.05	NA	NA	NA
May-02	0.0829	0.05	0.05	3.8	0.64	0.05	NA	NA	NA
Aug-02	0.0829	0.05	0.05	2	0.65	0.05	NA	NA	NA
May-03	0.0829	0.05	0.05	2.6	0.38	0.05	NA	NA	NA
Aug-03	0.0829	0.05	0.05	1.94	0.79	0.05	NA	NA	NA
May-04	0.0829	0.05	0.05	2.1	0.72	0.05	NA	NA	NA
Aug-04	0.0829	0.05	0.05	1.6	1	0.05	NA	NA	NA
Feb-05	0.0829	0.05	0.05	1.8	0.44	0.05	NA	NA	NA
Aug-05	0.0829	0.05	0.05	0.92	0.65	0.05	NA	NA	NA
Mar-06	0.0829	0.05	0.05	1.78	0.398	0.05	NA	NA	NA
Sep-06	0.0829	0.05	0.05	0.555	0.76	0.05	NA	NA	NA
Mar-07	0.0829	0.008	0.008	1.8	0.4	0.008	NA	NA	NA
Sep-07	0.0829	0.05	0.05	1.39	0.531	0.05	NA	NA	NA
Mar-08	0.0829	0.05	0.05	1.19	0.235	0.05	NA	NA	NA
Sep-08	0.0829	0.05	0.05	2.22	0.869	0.05	NA	NA	NA
Mar-09	0.0829	0.05	0.05	3.38	0.49	0.05	NA	NA	NA
Sep-09	0.0829	0.05	0.05	2.46	0.9	0.05	NA	NA	NA
Mar-10	0.0829	0.05	0.05	3.55	0.42	0.05	NA	NA	NA
Sep-10	0.0829	0.05	0.122	3.99	0.832	0.05	NA	NA	NA
Mar-11	0.0829	0.05	0.185	4.02	0.788	0.05	NA	NA	NA
Sep-11	0.0829	0.05	0.05	3.82	1.11	0.05	NA	NA	NA
Mar-12	0.0829	0.05	0.05	8.18	0.725	0.05	NA	NA	NA
Nov-12	0.0829	0.05	0.05	3.95	0.594	0.05	NA	NA	NA
Apr-13	0.0829	0.05	0.05	8.12	0.498	0.1	NA	NA	NA
Sep-13	0.0829	0.05	0.05	4.35	0.519	0.1	NA	NA	NA
Mar-14	0.0829	0.05	0.05	5.47	0.2	0.1	NA	NA	NA
Sep-14	0.0829	0.05	0.05	6.71	0.15	0.15	NA	NA	NA
Mar-15	0.0829	0.033	0.033	11.2	0.099	0.099	NA	NA	NA
Sep-15	0.0829	0.033	0.033	6.57	0.279	0.066	NA	NA	NA
Jun-16	0.0829	0.0366	0.0366	0.11	0.0366	0.073	NA	NA	NA
Oct-16	0.0829	0.0366	0.0366	3.57	0.561	0.73	NA	NA	NA
Apr-17	0.0829	0.0755	0.0755	2.43	0.151	0.151	NA	NA	NA
Sep-17	0.0829	0.0239	0.0239	6.87	0.305	0.0239	0.0239	0.0239	0.817
Apr-18	0.0829	0.0664	0.033	10.5	0.033	0.033	0.033	0.0684	0.174
Sep-18	0.0829	0.033	0.033	2.88	0.628	0.033	0.71	0.369	0.192
Apr-19	0.0765	0.033	0.033	4.81	0.033	0.033	0.033	0.676	0.033
Sep-19	0.0765	0.033	0.581	4.82	0.172	0.033	0.033	0.768	0.13
Apr-20	0.0750	0.025	0.259	11.8	0.158	0.025	0.025	2.01	0.0952
Sep-20	0.0750	0.02685	0.0503	3.87	0.817	0.025	0.025	2.4	0.145
Apr-21	0.0729	0.018	0.018	8.42	0.433	0.018	0.018	2.71	0.0834
Sep-21	0.0729	0.018	0.0668	2.92	0.55	0.149	0.018	1.88	0.0959
Apr-22	0.0729	0.018	0.018	9.06	0.018	0.018	0.018	6.04	0.0816
Sep-22	0.0729	0.018	0.0903	3.69	0.224	0.018	0.018	1.68	0.113
Mar-23	0.0729	0.018	0.018	6.88	0.018	0.018	0.018	3.20	0.0510
Sep-23	0.0729	0.018	0.018	3.14	2.84	0.018	0.018	2.13	0.125
Apr-24	0.0729	0.018	0.018	8.13	0.018	0.018	0.018	0.0429	0.018
Aug-24	0.0729	0.018	0.0391	6.76	0.38	0.018	0.018	3.33	0.106



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

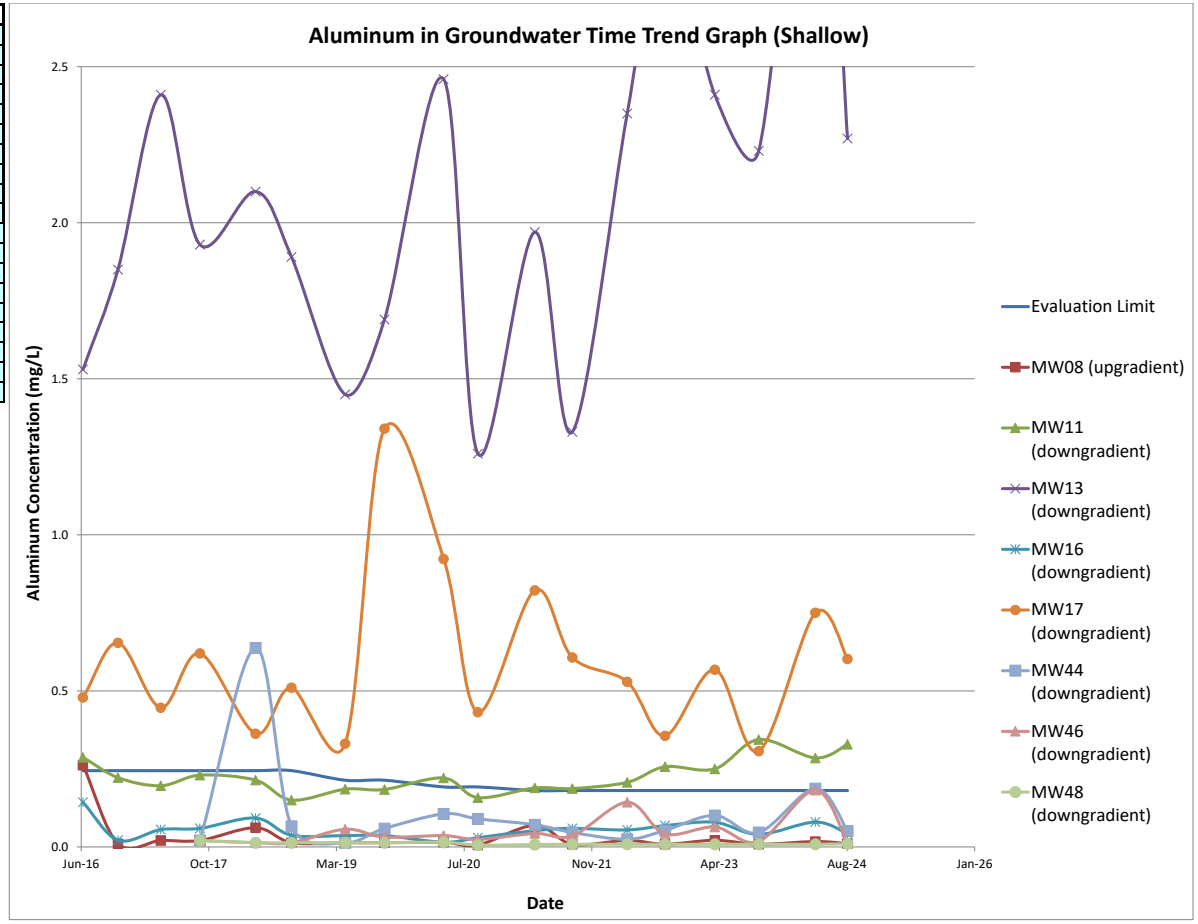
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.03755	NA	NA	NA	NA	NA	NA	NA	NA
Oct-16	0.03755	NA	NA	NA	NA	NA	NA	NA	NA
Apr-17	0.03755	NA	NA	NA	NA	NA	NA	NA	NA
Sep-17	0.03755	0.0239	0.0239	6.38	0.318	0.0239	0.0239	0.0513	0.867
Apr-18	0.03755	NA	0.1570	9.24	0.172	0.0330	1.2500	0.0330	0.572
Sep-18	0.03755	0.0330	0.0330	3.06	0.588	0.0330	0.0911	0.4180	0.244
Apr-19	0.03755	NA	NA	NA	NA	NA	NA	NA	NA
Sep-19	0.03755	NA	0.5550	NA	NA	NA	0.0330	0.8570	0.318
Apr-20	0.03755	NA	NA	NA	NA	NA	NA	NA	NA
Sep-20	0.03755	NA	0.0502	NA	NA	NA	0.0931	2.7300	0.360
Sep-21	0.03755	NA	0.0702	NA	NA	NA	0.0611	2.6300	0.191
Sep-22	0.03755	NA	0.1140	1.85	NA	NA	0.0596	2.2500	0.183
Sep-23	0.03755	NA	0.192	NA	NA	NA	0.0482	2.07	0.395
Aug-24	0.03755	NA	0.0525	NA	NA	NA	0.0539	7.9200	0.225

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



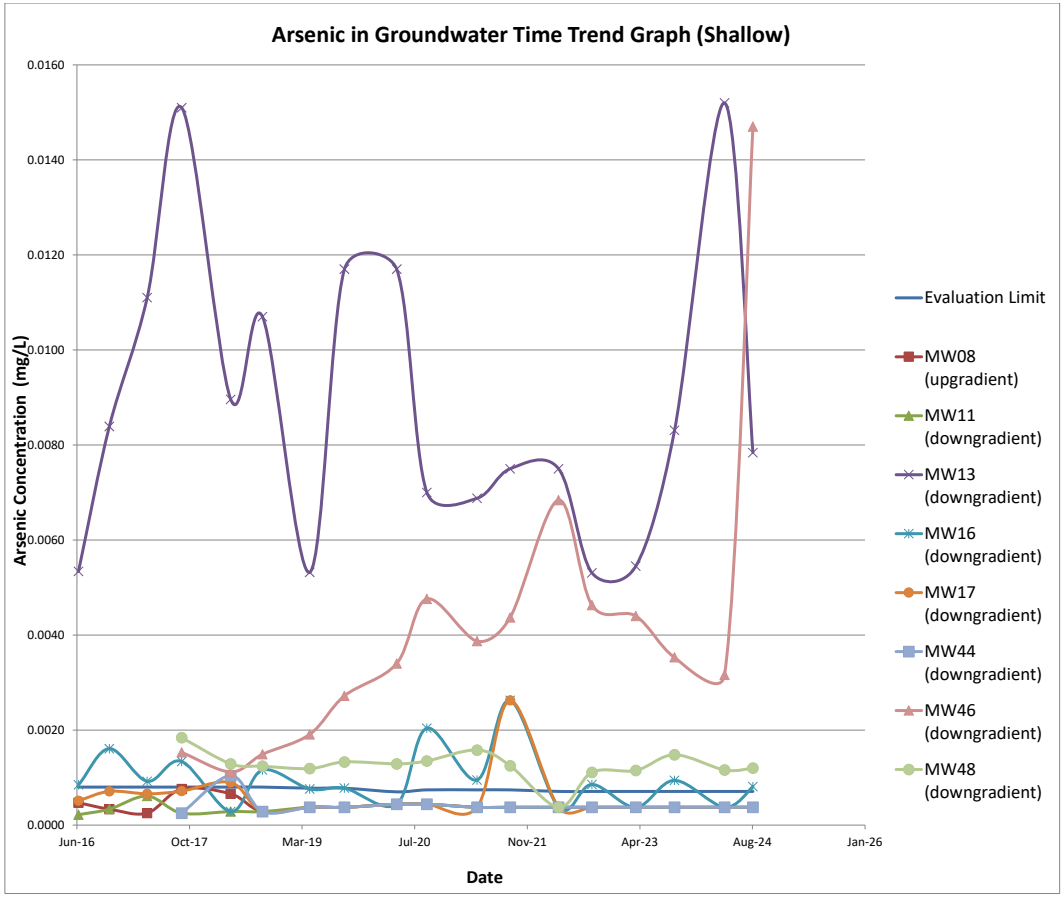
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.2444	0.262	0.287	1.53	0.143	0.479	NA	NA	NA
Oct-16	0.2444	0.0104	0.222	1.85	0.0216	0.654	NA	NA	NA
Apr-17	0.2444	0.02065	0.196	2.41	0.0556	0.446	NA	NA	NA
Sep-17	0.2444	0.02065	0.230	1.93	0.0594	0.620	0.02065	0.02065	0.02065
Apr-18	0.2444	0.0615	0.214	2.1	0.0925	0.363	0.638	0.0135	0.0135
Sep-18	0.2444	0.0135	0.150	1.89	0.0373	0.510	0.0664	0.0135	0.0135
Apr-19	0.2137	0.0135	0.185	1.45	0.0364	0.331	0.0135	0.0567	0.0135
Sep-19	0.2137	0.0135	0.184	1.69	0.0364	1.340	0.059	0.0316	0.0135
Apr-20	0.1922	0.015	0.221	2.46	0.015	0.923	0.106	0.0363	0.015
Sep-20	0.1922	0.006	0.158	1.26	0.0297	0.432	0.0899	0.0241	0.006
Apr-21	0.1807	0.0693	0.189	1.97	0.0521	0.822	0.0712	0.043	0.0075
Sep-21	0.1807	0.0085	0.187	1.33	0.0595	0.607	0.0463	0.0357	0.0085
Apr-22	0.1807	0.0209	0.207	2.35	0.0545	0.529	0.0245	0.1430	0.0085
Sep-22	0.1807	0.0085	0.257	2.97	0.0683	0.356	0.0528	0.0417	0.0085
Mar-23	0.1807	0.0213	0.250	2.41	0.0791	0.568	0.101	0.0638	0.0085
Sep-23	0.1807	0.0085	0.344	2.23	0.0402	0.307	0.0462	0.0177	0.0085
Apr-24	0.1807	0.0172	0.285	3.63	0.0797	0.75	0.187	0.182	0.0085
Aug-24	0.1807	0.0105	0.329	2.27	0.042	0.602	0.0512	0.0105	0.0105

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



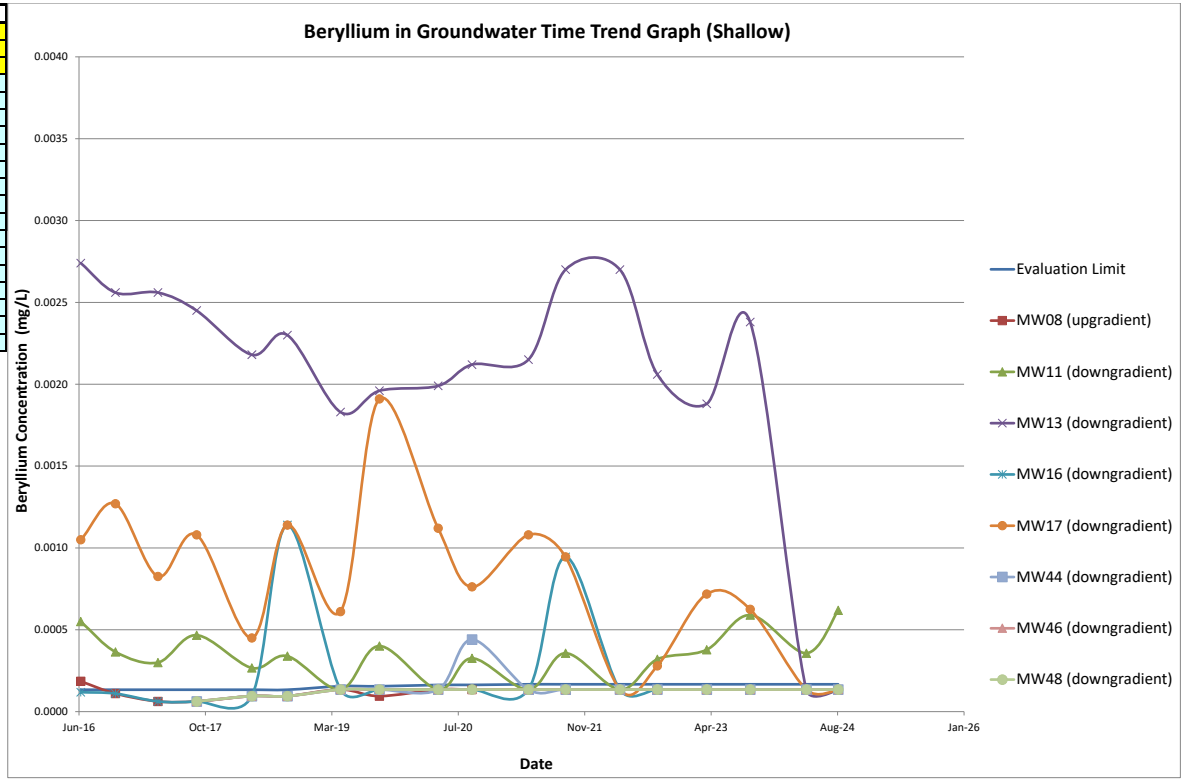
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.0008000	0.000470	0.000220	0.00534	0.000847	0.000513	NA	NA	NA
Oct-16	0.0008000	0.000336	0.000336	0.00839	0.00161	0.000711	NA	NA	NA
Apr-17	0.0008000	0.000253	0.000611	0.0111	0.000923	0.000659	NA	NA	NA
Sep-17	0.0008000	0.000759	0.000253	0.0151	0.00134	0.000715	0.000253	0.00153	0.00184
Apr-18	0.0008000	0.000658	0.000285	0.0090	0.00029	0.000898	0.00104	0.00112	0.00129
Sep-18	0.0008000	0.000285	0.000285	0.0107	0.00116	0.000285	0.000285	0.00149	0.00124
Apr-19	0.0007769	0.000375	0.000375	0.0053	0.00076	0.000375	0.000375	0.00191	0.00119
Sep-19	0.0007769	0.000375	0.000375	0.0117	0.00078	0.000375	0.000375	0.00272	0.00133
Apr-20	0.0007000	0.000440	0.000440	0.0117	0.000440	0.000440	0.000440	0.00340	0.00129
Sep-20	0.0007415	0.000440	0.000440	0.0070	0.002040	0.000440	0.000440	0.00476	0.00135
Apr-21	0.0007415	0.000375	0.000375	0.0069	0.000949	0.000375	0.000375	0.00387	0.00158
Sep-21	0.0007415	0.000375	0.000375	0.0075	0.002625	0.002625	0.000375	0.00437	0.00125
Apr-22	0.0007085	0.000375	0.000375	0.0075	0.000375	0.000375	0.000375	0.00684	0.00038
Sep-22	0.0007085	0.000375	0.000375	0.00531	0.000856	0.000375	0.000375	0.00463	0.00111
Mar-23	0.0007085	0.000375	0.000375	0.00545	0.000375	0.000375	0.000375	0.00440	0.00115
Sep-23	0.0007085	0.000375	0.000375	0.00831	0.000941	0.000375	0.000375	0.00353	0.00148
Apr-24	0.0007085	0.000375	0.000375	0.0152	0.000375	0.000375	0.000375	0.00316	0.00116
Aug-24	0.0007085	0.000375	0.000375	0.00784	0.000809	0.000375	0.000375	0.01470	0.00120

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



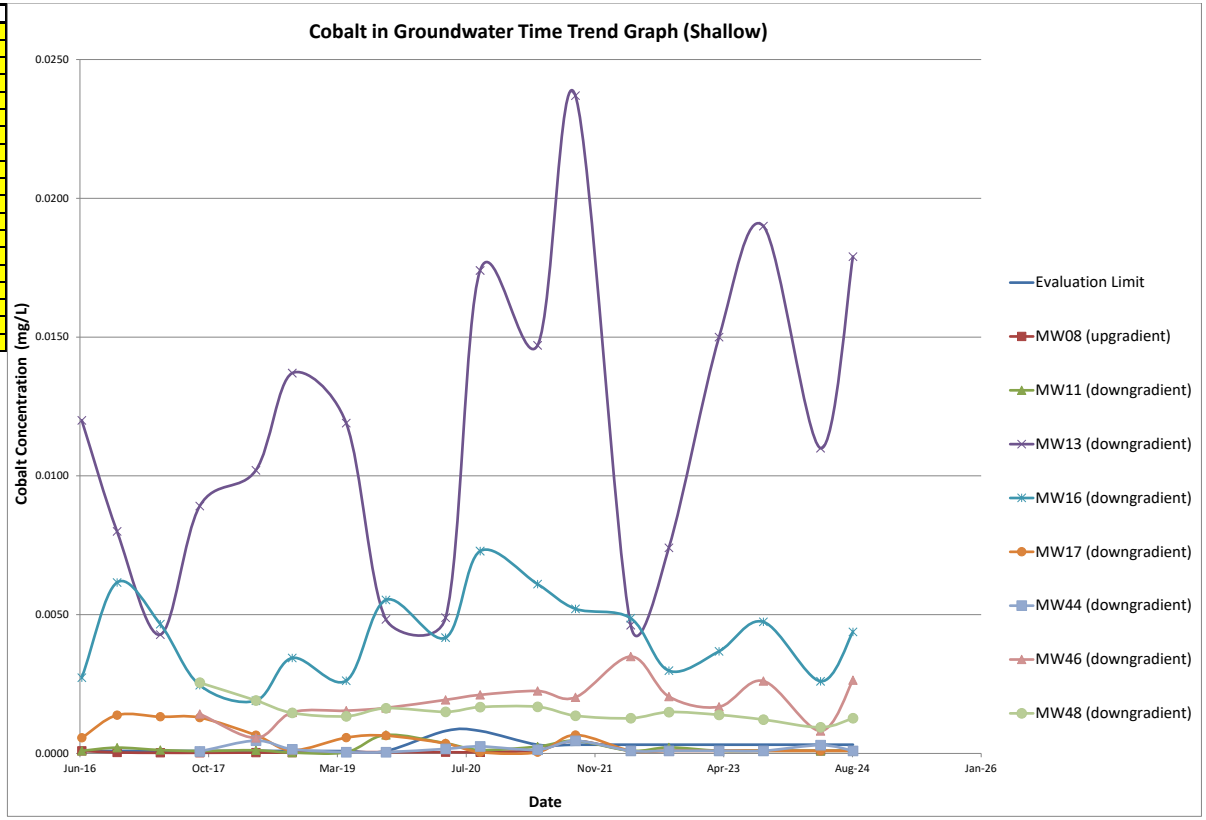
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.000134	0.000185	0.00055	0.00274	0.000119	0.00105	NA	NA	NA
Oct-16	0.000134	0.000111	0.000365	0.00256	0.000111	0.00127	NA	NA	NA
Apr-17	0.000134	0.000063	0.000300	0.00256	0.000063	0.000826	NA	NA	NA
Sep-17	0.000134	0.000063	0.000467	0.00245	0.000063	0.00108	0.000063	0.000063	0.000063
Apr-18	0.000134	0.000095	0.000267	0.00218	0.000095	0.00045	0.000095	0.000095	0.000095
Sep-18	0.000134	0.000095	0.000339	0.00230	0.001140	0.00114	0.000095	0.000095	0.000095
Apr-19	0.000155	0.000135	0.000135	0.00183	0.000135	0.00061	0.000135	0.000135	0.000135
Sep-19	0.000155	0.000095	0.000401	0.00196	0.000135	0.00191	0.000135	0.000135	0.000135
Apr-20	0.000163	0.000135	0.000135	0.00199	0.000135	0.00112	0.000135	0.000135	0.000135
Sep-20	0.000163	0.000135	0.000326	0.00212	0.000135	0.00076	0.000440	0.000135	0.000135
Apr-21	0.000167	0.000135	0.000135	0.00215	0.000135	0.00108	0.000135	0.000135	0.000135
Sep-21	0.000167	0.000135	0.000357	0.00270	0.000945	0.00095	0.000135	0.000135	0.000135
Apr-22	0.000167	0.000135	0.000135	0.00270	0.000135	0.00014	0.000135	0.000135	0.000135
Sep-22	0.000167	0.000135	0.000320	0.00206	0.000135	0.000279	0.000135	0.000135	0.000135
Mar-23	0.000167	0.000135	0.000378	0.00188	0.000135	0.000718	0.000135	0.000135	0.000135
Sep-23	0.000167	0.000135	0.000590	0.00238	0.000135	0.000625	0.000135	0.000135	0.000135
Apr-24	0.000167	0.000135	0.000357	0.000135	0.000135	0.000135	0.000135	0.000135	0.000135
Aug-24	0.000167	0.000135	0.000619	0.000135	0.000135	0.000135	0.000135	0.000135	0.000135

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



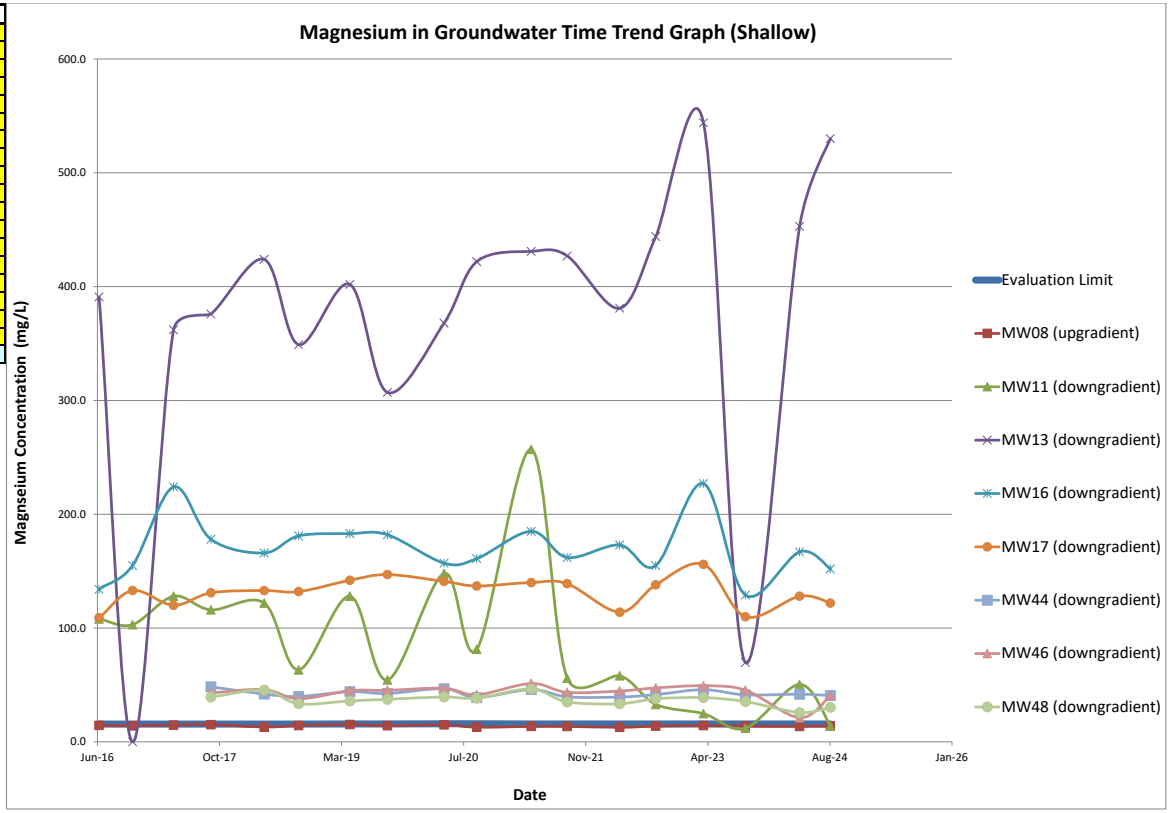
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.0000896	0.000095	0.000095	0.0120	0.00273	0.000563	NA	NA	NA
Oct-16	0.0000896	0.000036	0.000208	0.00800	0.00616	0.00138	NA	NA	NA
Apr-17	0.0000896	0.000023	0.000122	0.00428	0.00466	0.00132	NA	NA	NA
Sep-17	0.0000896	0.000023	0.000088	0.00891	0.00246	0.00129	0.000074	0.00142	0.00255
Apr-18	0.0000896	0.000031	0.000114	0.01020	0.00190	0.00066	0.000460	0.00056	0.00191
Sep-18	0.0000896	0.000031	0.000031	0.01370	0.00344	0.00011	0.000152	0.00148	0.00146
Apr-19	0.0000847	0.000046	0.000046	0.01190	0.00262	0.00057	0.000046	0.00154	0.00134
Sep-19	0.0000847	0.000046	0.000666	0.00483	0.00553	0.00064	0.000046	0.00164	0.00163
Apr-20	0.0008100	0.000046	0.000366	0.00489	0.00417	0.00036	0.000164	0.00193	0.00150
Sep-20	0.0008110	0.000046	0.000124	0.01740	0.00729	0.000046	0.000253	0.00211	0.00167
Apr-21	0.0003147	0.000120	0.000246	0.01470	0.00610	0.000046	0.000132	0.00225	0.00168
Sep-21	0.0003147	0.000455	0.000455	0.02370	0.00521	0.000665	0.000455	0.00202	0.00136
Apr-22	0.0003147	0.000095	0.000095	0.00462	0.00487	0.000095	0.000095	0.00349	0.00127
Sep-22	0.0003147	0.000095	0.000216	0.00741	0.00298	0.000095	0.000095	0.00205	0.00149
Mar-23	0.0003147	0.000095	0.000095	0.015	0.00368	0.000095	0.000095	0.00168	0.00139
Sep-23	0.0003147	0.000095	0.000095	0.019	0.00474	0.000095	0.000095	0.00261	0.00122
Apr-24	0.0003147	0.000095	0.000095	0.011	0.0026	0.000095	0.000299	0.00081	0.00094
Aug-24	0.0003147	0.000095	0.000095	0.0179	0.00438	0.000095	0.000095	0.00264	0.00127

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



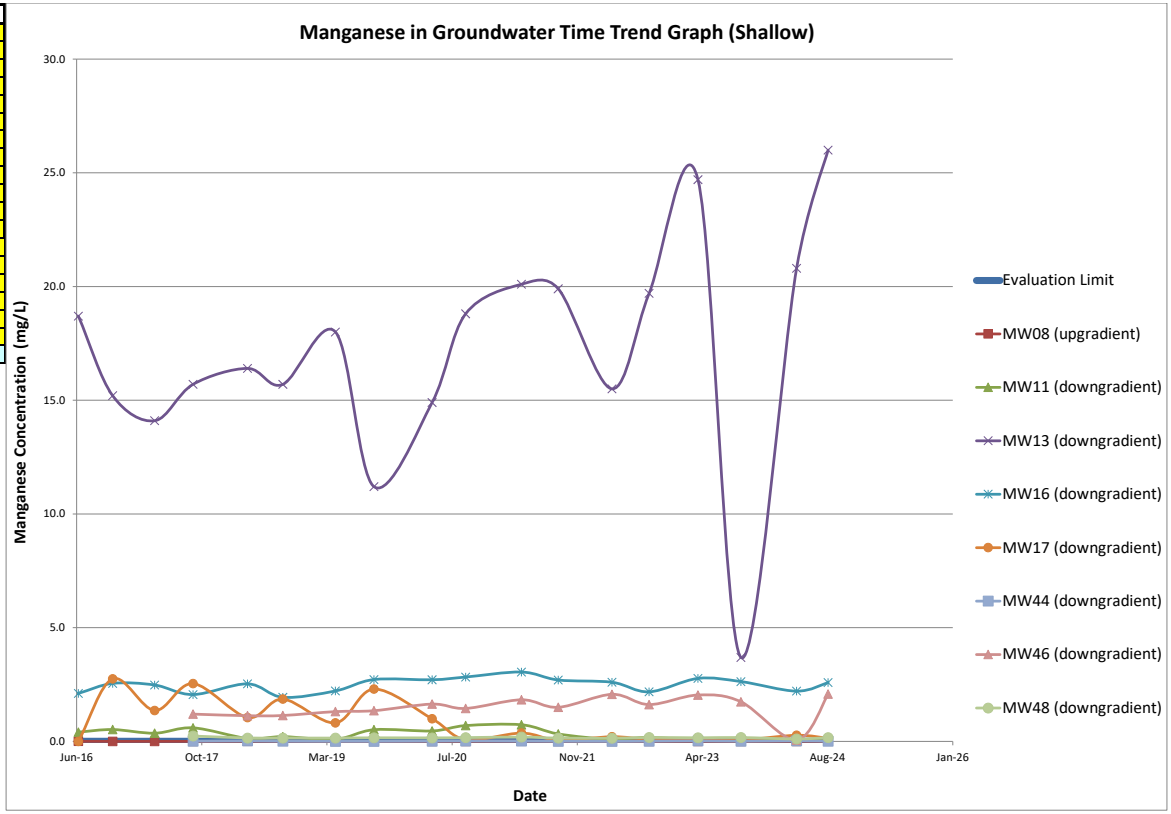
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	15.64	14.5	108	391	134	109	NA	NA	NA
Oct-16	15.64	14.1	103	0.01	155	133	NA	NA	NA
Apr-17	15.64	14.8	128	362	224	120	NA	NA	NA
Sep-17	15.64	15.2	116	376	178	131	48.4	43.0	39.4
Apr-18	15.64	13.1	122	424	166	133	42.0	46.0	45.5
Sep-18	15.64	14.3	63.3	349	181	132	39.9	37.8	33.5
Apr-19	15.75	15.3	128	402	183	142	44.1	45.0	36.0
Sep-19	15.75	14.2	54.4	307	182	147	42.5	45.3	37.4
Apr-20	15.90	15.0	148	368	157	141	46.7	47.1	39.5
Sep-20	15.89	12.9	81.4	422	161	137	39.0	41.4	38.4
Apr-21	15.73	13.6	257	431	185	140	46.0	51.3	46.5
Sep-21	15.73	13.6	55.9	427	162	139	39.6	43.5	35.1
Apr-22	15.73	12.8	58.1	381	173	114	39.4	44.7	33.5
Sep-22	15.73	13.8	32.9	444	155	138	41.5	47.4	37.9
Mar-23	15.73	14.3	24.8	544	227	156	45.9	49.3	38.9
Sep-23	15.73	13.8	12	69.7	129	110	41.3	45.4	35.4
Apr-24	15.73	13.6	50.5	453	167	128	41.9	21.2	25.8
Aug-24	15.73	14	14	530	152	122	40.7	40.7	30.4

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



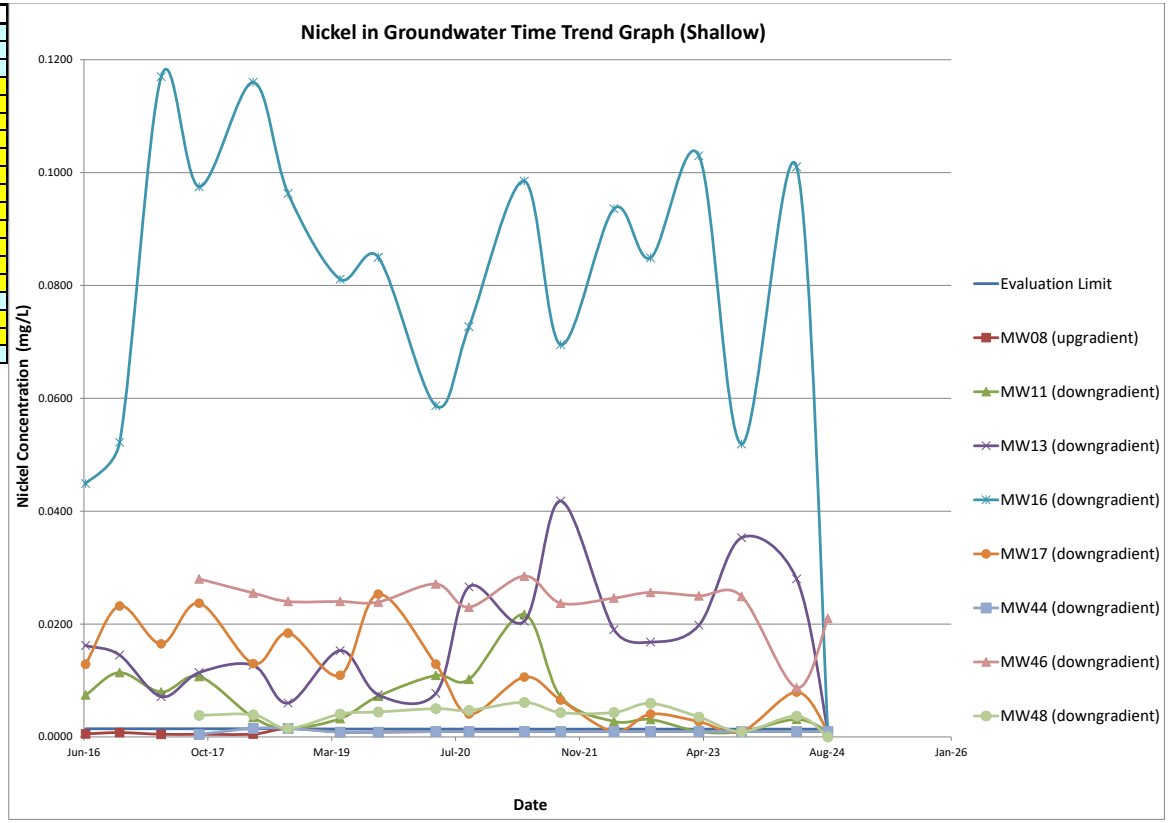
Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.0053	0.00353	0.409	18.7	2.11	1..17	NA	NA	NA
Oct-16	0.0053	0.00094	0.521	15.2	2.55	2.75	NA	NA	NA
Apr-17	0.0053	0.00122	0.361	14.1	2.48	1.36	NA	NA	NA
Sep-17	0.0053	0.00122	0.596	15.7	2.06	2.54	0.0117	1.20	0.236
Apr-18	0.0053	0.00280	0.131	16.4	2.53	1.05	0.0229	1.13	0.151
Sep-18	0.0053	0.00482	0.209	15.7	1.94	1.86	0.0119	1.14	0.150
Apr-19	0.00480	0.00125	0.0933	18.0	2.22	0.815	0.00497	1.31	0.147
Sep-19	0.00480	0.00125	0.514	11.2	2.72	2.30	0.00568	1.35	0.159
Apr-20	0.00449	0.00200	0.4610	14.9	2.71	0.995	0.01460	1.64	0.155
Sep-20	0.00449	0.00200	0.6950	18.8	2.83	0.079	0.02140	1.45	0.167
Apr-21	0.00648	0.00793	0.7310	20.1	3.05	0.365	0.01560	1.83	0.190
Sep-21	0.00648	0.00220	0.3280	19.9	2.70	0.050	0.00842	1.50	0.145
Apr-22	0.00648	0.00180	0.0909	15.5	2.60	0.205	0.00364	2.07	0.139
Sep-22	0.00648	0.00180	0.1810	19.7	2.18	0.0909	0.01150	1.62	0.174
Mar-23	0.00648	0.00180	0.0433	24.7	2.77	0.088	0.02390	2.04	0.159
Sep-23	0.00648	0.00180	0.0720	3.69	2.63	0.0628	0.01110	1.74	0.171
Apr-24	0.00648	0.00180	0.0725	20.8	2.21	0.269	0.02630	0.0572	0.107
Aug-24	0.00648	0.00391	0.105	26	2.59	0.133	0.0124	2.08	0.168

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.0014450	0.000543	0.00744	0.0162	0.0449	0.0129	NA	NA	NA
Oct-16	0.0014450	0.000765	0.0114	0.0145	0.0522	0.0232	NA	NA	NA
Apr-17	0.0014450	0.000465	0.00796	0.00714	0.117	0.0165	NA	NA	NA
Sep-17	0.0014450	0.000465	0.0107	0.0114	0.0975	0.0237	0.000465	0.0280	0.00383
Apr-18	0.0014450	0.000500	0.0035	0.0127	0.1160	0.0130	0.001510	0.0255	0.00392
Sep-18	0.0014450	0.001500	0.0015	0.0060	0.0963	0.0184	0.001500	0.0240	0.00150
Apr-19	0.0013943	0.00085	0.00325	0.0153	0.0811	0.0109	0.00085	0.0240	0.00405
Sep-19	0.0013943	0.00085	0.00722	0.00745	0.0850	0.0253	0.00085	0.0239	0.00442
Apr-20	0.0013900	0.000950	0.0109	0.00772	0.0587	0.0129	0.00095	0.0271	0.00501
Sep-20	0.0013902	0.000950	0.0102	0.02660	0.0727	0.0041	0.00095	0.0230	0.00471
Apr-21	0.0013788	0.000950	0.0217	0.02050	0.0985	0.0106	0.00095	0.0285	0.00612
Sep-21	0.0013788	0.000950	0.0071	0.04180	0.0695	0.0065	0.00095	0.0237	0.00431
Apr-22	0.0013788	0.00095	0.00275	0.01900	0.0936	0.00095	0.00095	0.0246	0.00433
Sep-22	0.0013788	0.00095	0.00308	0.0168	0.0849	0.00405	0.00095	0.0256	0.00595
Mar-23	0.0013788	0.00095	0.00095	0.0198	0.103	0.00271	0.00095	0.0250	0.00353
Sep-23	0.0013788	0.00095	0.00095	0.0353	0.0519	0.00095	0.00095	0.0249	0.00095
Apr-24	0.0013788	0.00095	0.00311	0.028	0.101	0.00794	0.00095	0.0087	0.00368
Aug-24	0.0013788	0.00095	0.00095	0.00095	0.00095	0.00095	0.00095	0.0210	0.00360

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



Date	Eval Limit	MW08	MW11	MW13	MW16	MW17	MW44	MW46	MW48
Jun-16	0.178	0.146	0.652	0.364	1.39	0.753	NA	NA	NA
Oct-16	0.178	0.156	0.687	0.434	1.39	0.839	NA	NA	NA
Apr-17	0.178	0.153	0.787	0.590	1.76	1.07	NA	NA	NA
Sep-17	0.178	0.172	0.733	0.468	1.47	0.868	0.645	0.666	0.606
Apr-18	0.178	0.146	0.853	0.583	1.62	1.010	0.515	0.630	0.676
Sep-18	0.178	0.170	0.551	0.403	1.57	0.858	0.633	0.705	0.647
Apr-19	0.177	0.166	0.982	0.459	1.62	1.1	0.601	0.711	0.597
Sep-19	0.177	0.158	0.514	0.462	1.54	0.882	0.566	0.705	0.604
Apr-20	0.178	0.170	1.790	0.546	1.49	1.04	0.638	0.749	0.637
Sep-20	0.178	0.156	0.850	0.583	0.07	0.00	0.001	0.023	0.005
Apr-21	0.177	0.166	3.450	0.678	1.63	1.16	0.607	0.803	0.740
Sep-21	0.177	0.162	0.655	0.504	1.32	1.09	0.567	0.747	0.607
Apr-22	0.177	0.153	0.843	0.532	1.41	0.883	0.518	0.678	0.512
Sep-22	0.177	0.155	0.487	0.688	1.35	1.20	0.623	0.770	0.637
Mar-23	0.177	0.161	0.343	0.856	1.68	1.18	0.661	0.839	0.669
Sep-23	0.177	0.172	0.176	0.923	1.53	1.3	0.717	0.835	0.712
Aug-24	0.177	0.153	0.196	0.704	1.43	0.978	0.575	0.658	0.518

Note:
Result Exceeds Evaluation Limit
Note:
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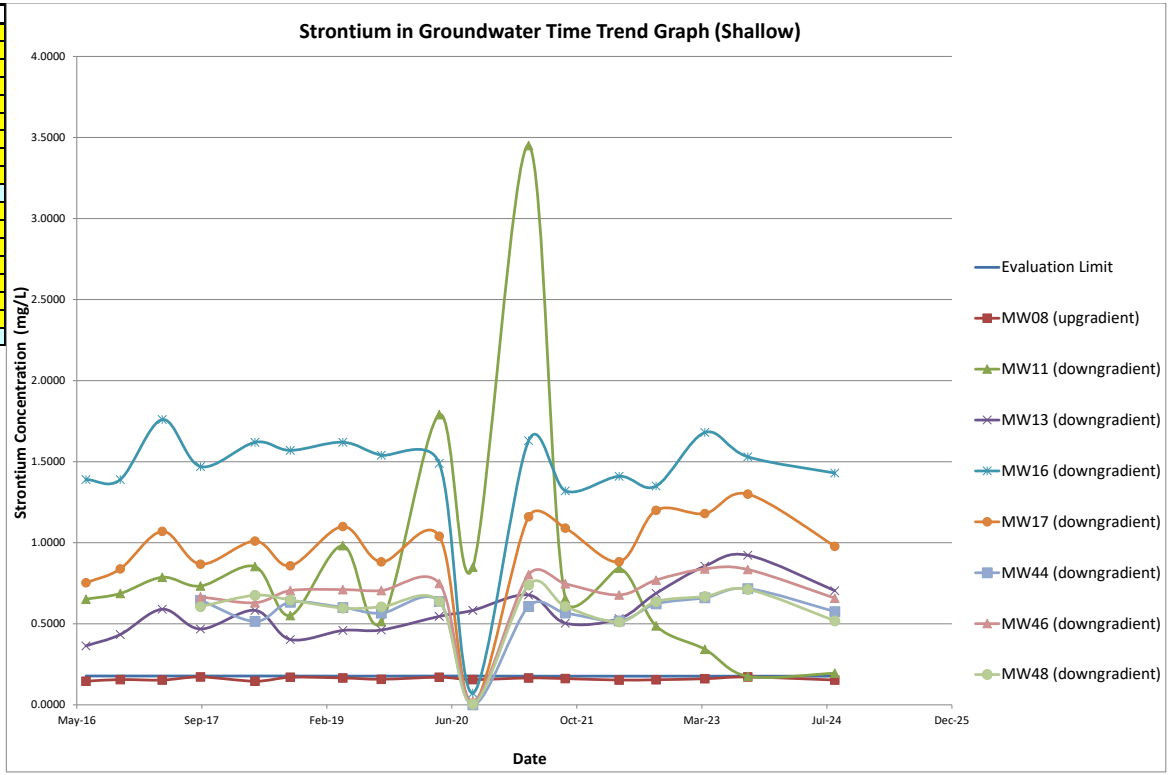
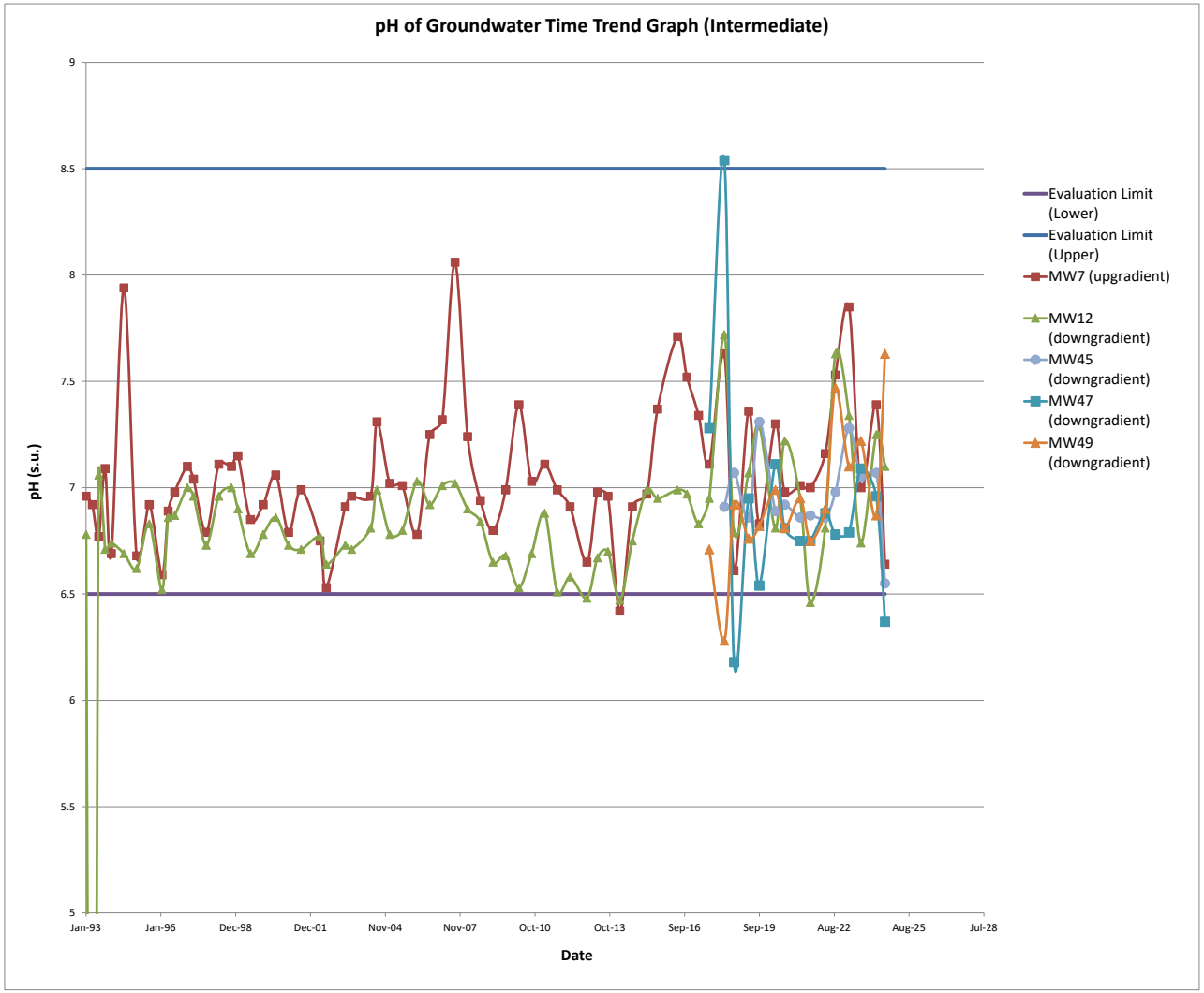
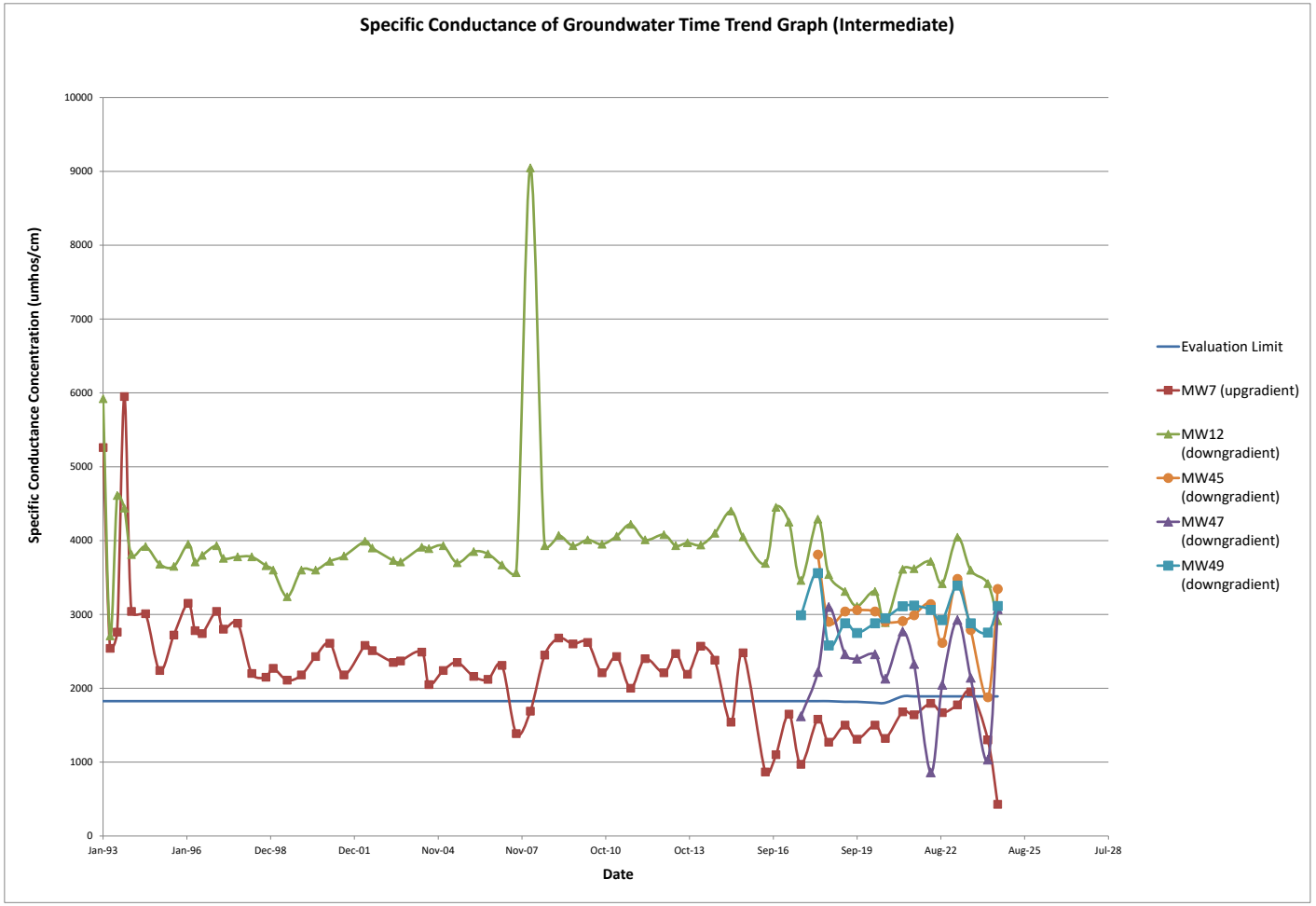


Date	Eval Limits		MW07	MW12	MW45	MW47	MW49
Feb-93	6.5	8.5	6.96	6.78	NA	NA	NA
May-93	6.5	8.5	6.92	NA	NA	NA	NA
Aug-93	6.5	8.5	6.77	7.06	NA	NA	NA
Nov-93	6.5	8.5	7.09	6.71	NA	NA	NA
Feb-94	6.5	8.5	6.69	6.74	NA	NA	NA
Aug-94	6.5	8.5	7.94	6.69	NA	NA	NA
Feb-95	6.5	8.5	6.68	6.62	NA	NA	NA
Aug-95	6.5	8.5	6.92	6.83	NA	NA	NA
Feb-96	6.5	8.5	6.59	6.52	NA	NA	NA
May-96	6.5	8.5	6.89	6.86	NA	NA	NA
Aug-96	6.5	8.5	6.98	6.87	NA	NA	NA
Feb-97	6.5	8.5	7.1	7	NA	NA	NA
May-97	6.5	8.5	7.04	6.96	NA	NA	NA
Nov-97	6.5	8.5	6.79	6.73	NA	NA	NA
May-98	6.5	8.5	7.11	6.96	NA	NA	NA
Nov-98	6.5	8.5	7.1	7	NA	NA	NA
Feb-99	6.5	8.5	7.15	6.9	NA	NA	NA
Aug-99	6.5	8.5	6.85	6.69	NA	NA	NA
Feb-00	6.5	8.5	6.92	6.78	NA	NA	NA
Aug-00	6.5	8.5	7.06	6.86	NA	NA	NA
Feb-01	6.5	8.5	6.79	6.73	NA	NA	NA
Aug-01	6.5	8.5	6.99	6.71	NA	NA	NA
May-02	6.5	8.5	6.75	6.77	NA	NA	NA
Aug-02	6.5	8.5	6.53	6.64	NA	NA	NA
May-03	6.5	8.5	6.91	6.73	NA	NA	NA
Aug-03	6.5	8.5	6.96	6.71	NA	NA	NA
May-04	6.5	8.5	6.96	6.81	NA	NA	NA
Aug-04	6.5	8.5	7.31	6.99	NA	NA	NA
Feb-05	6.5	8.5	7.02	6.78	NA	NA	NA
Aug-05	6.5	8.5	7.01	6.8	NA	NA	NA
Mar-06	6.5	8.5	6.78	7.03	NA	NA	NA
Sep-06	6.5	8.5	7.25	6.92	NA	NA	NA
Mar-07	6.5	8.5	7.32	7.01	NA	NA	NA
Sep-07	6.5	8.5	8.06	7.02	NA	NA	NA
Mar-08	6.5	8.5	7.24	6.9	NA	NA	NA
Sep-08	6.5	8.5	6.94	6.84	NA	NA	NA
Mar-09	6.5	8.5	6.8	6.65	NA	NA	NA
Sep-09	6.5	8.5	6.99	6.68	NA	NA	NA
Mar-10	6.5	8.5	7.39	6.53	NA	NA	NA
Sep-10	6.5	8.5	7.03	6.69	NA	NA	NA
Mar-11	6.5	8.5	7.11	6.88	NA	NA	NA
Sep-11	6.5	8.5	6.99	6.51	NA	NA	NA
Mar-12	6.5	8.5	6.91	6.58	NA	NA	NA
Nov-12	6.5	8.5	6.65	6.48	NA	NA	NA
Apr-13	6.5	8.5	6.98	6.67	NA	NA	NA
Sep-13	6.5	8.5	6.96	6.7	NA	NA	NA
Mar-14	6.5	8.5	6.42	6.47	NA	NA	NA
Sep-14	6.5	8.5	6.91	6.75	NA	NA	NA
Mar-15	6.5	8.5	6.97	6.99	NA	NA	NA
Sep-15	6.5	8.5	7.37	6.95	NA	NA	NA
Jun-16	6.5	8.5	7.71	6.99	NA	NA	NA
Oct-16	6.5	8.5	7.52	6.97	NA	NA	NA
Apr-17	6.5	8.5	7.34	6.83	NA	NA	NA
Sep-17	6.5	8.5	7.11	6.95	NA	7.28	6.71
Apr-18	6.5	8.5	7.63	7.72	6.91	8.54	6.28
Sep-18	6.5	8.5	6.61	6.79	7.07	6.18	6.92
Apr-19	6.5	8.5	7.36	7.07	6.86	6.95	6.76
Sep-19	6.5	8.5	6.83	7.29	7.31	6.54	6.82
Apr-20	6.5	8.5	7.3	6.81	6.89	7.11	6.99
Sep-20	6.5	8.5	6.98	7.22	6.92	6.81	6.81
Apr-21	6.5	8.5	7.01	6.95	6.86	6.75	6.95
Sep-21	6.5	8.5	7	6.46	6.87	6.75	6.75
Apr-22	6.5	8.5	7.16	6.81	6.86	6.88	6.90
Sep-22	6.5	8.5	7.53	7.63	6.98	6.78	7.47
Mar-23	6.5	8.5	7.85	7.34	7.28	6.79	7.10
Sep-23	6.5	8.5	7	6.74	7.05	7.09	7.22
Apr-24	6.5	8.5	7.39	7.25	7.07	6.96	6.87
Aug-24	6.5	8.5	6.64	7.1	6.55	6.37	7.63

Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.



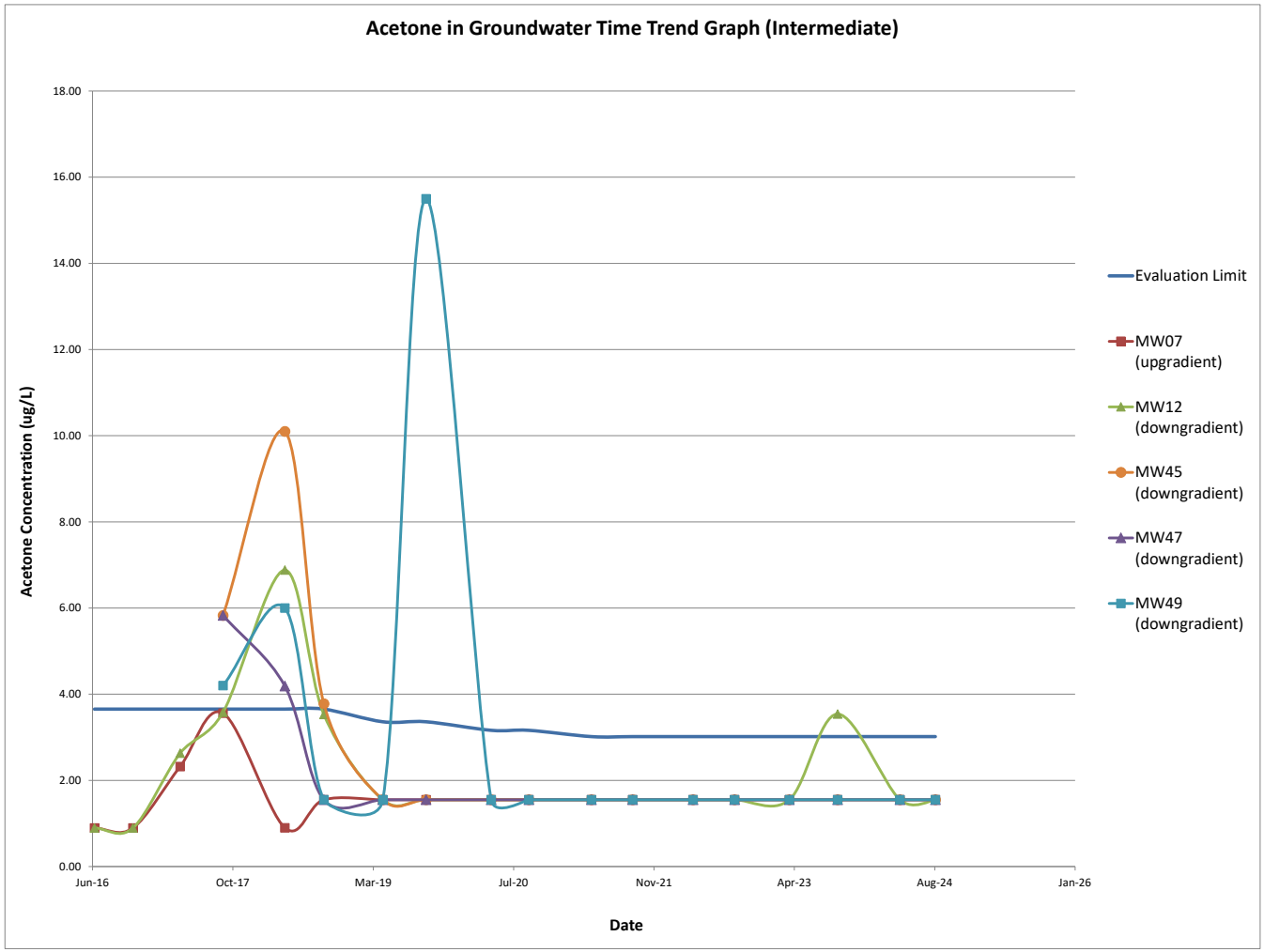
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Feb-93	1826.14	5260	5920	NA	NA	NA
May-93	1826.14	2540	2710	NA	NA	NA
Aug-93	1826.14	2760	4610	NA	NA	NA
Nov-93	1826.14	5950	4440	NA	NA	NA
Feb-94	1826.14	3040	3810	NA	NA	NA
Aug-94	1826.14	3010	3920	NA	NA	NA
Feb-95	1826.14	2240	3680	NA	NA	NA
Aug-95	1826.14	2720	3650	NA	NA	NA
Feb-96	1826.14	3150	3950	NA	NA	NA
May-96	1826.14	2780	3710	NA	NA	NA
Aug-96	1826.14	2740	3800	NA	NA	NA
Feb-97	1826.14	3040	3930	NA	NA	NA
May-97	1826.14	2800	3760	NA	NA	NA
Nov-97	1826.14	2880	3780	NA	NA	NA
May-98	1826.14	2200	3780	NA	NA	NA
Nov-98	1826.14	2150	3660	NA	NA	NA
Feb-99	1826.14	2270	3600	NA	NA	NA
Aug-99	1826.14	2110	3240	NA	NA	NA
Feb-00	1826.14	2180	3600	NA	NA	NA
Aug-00	1826.14	2430	3600	NA	NA	NA
Feb-01	1826.14	2610	3720	NA	NA	NA
Aug-01	1826.14	2180	3790	NA	NA	NA
May-02	1826.14	2580	3990	NA	NA	NA
Aug-02	1826.14	2510	3900	NA	NA	NA
May-03	1826.14	2350	3730	NA	NA	NA
Aug-03	1826.14	2370	3710	NA	NA	NA
May-04	1826.14	2490	3910	NA	NA	NA
Aug-04	1826.14	2050	3890	NA	NA	NA
Feb-05	1826.14	2240	3930	NA	NA	NA
Aug-05	1826.14	2350	3700	NA	NA	NA
Mar-06	1826.14	2160	3850	NA	NA	NA
Sep-06	1826.14	2120	3820	NA	NA	NA
Mar-07	1826.14	2310	3670	NA	NA	NA
Sep-07	1826.14	1387	3566	NA	NA	NA
Mar-08	1826.14	1689	9046	NA	NA	NA
Sep-08	1826.14	2450	3930	NA	NA	NA
Mar-09	1826.14	2680	4070	NA	NA	NA
Sep-09	1826.14	2600	3930	NA	NA	NA
Mar-10	1826.14	2620	4010	NA	NA	NA
Sep-10	1826.14	2210	3950	NA	NA	NA
Mar-11	1826.14	2430	4060	NA	NA	NA
Sep-11	1826.14	2000	4220	NA	NA	NA
Mar-12	1826.14	2400	4010	NA	NA	NA
Nov-12	1826.14	2210	4080	NA	NA	NA
Apr-13	1826.14	2470	3930	NA	NA	NA
Sep-13	1826.14	2190	3970	NA	NA	NA
Mar-14	1826.14	2570	3940	NA	NA	NA
Sep-14	1826.14	2380	4100	NA	NA	NA
Mar-15	1826.14	1540	4400	NA	NA	NA
Sep-15	1826.14	2480	4050	NA	NA	NA
Jun-16	1826.14	867	3690	NA	NA	NA
Oct-16	1826.14	1100	4450	NA	NA	NA
Apr-17	1826.14	1650	4250	NA	NA	NA
Sep-17	1826.14	970	3460	NA	1620	2990
Apr-18	1826.14	1580	4290	3810	2220	3560
Sep-18	1826.14	1270	3540	2900	3100	2580
Apr-19	1817.23	1500	3310	3040	2460	2880
Sep-19	1817.23	1310	3110	3060	2400	2750
Apr-20	1803.99	1500	3310	3040	2460	2880
Sep-20	1803.99	1320	2890	2900	2130	2950
Apr-21	1890.65	1680	3610	2910	2770	3110
Sep-21	1890.65	1640	3620	2990	2330	3120
Apr-22	1890.65	1795.8	3717.2	3139.2	860.64	3062.4
Sep-22	1890.65	1670.4	3416.6	2614.6	2047.2	2923.4
Mar-23	1890.65	1774.6	4045	3482.4	2924.9	3390.733
Sep-23	1890.65	1951.9	3598.4	2790.1	2142	2880.9
Apr-24	1890.65	1300.4	3417.3	1879.1	1033.7	2754.1
Aug-24	1890.65	427.57	2913.8	3345.7	3070.9	3114.7



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

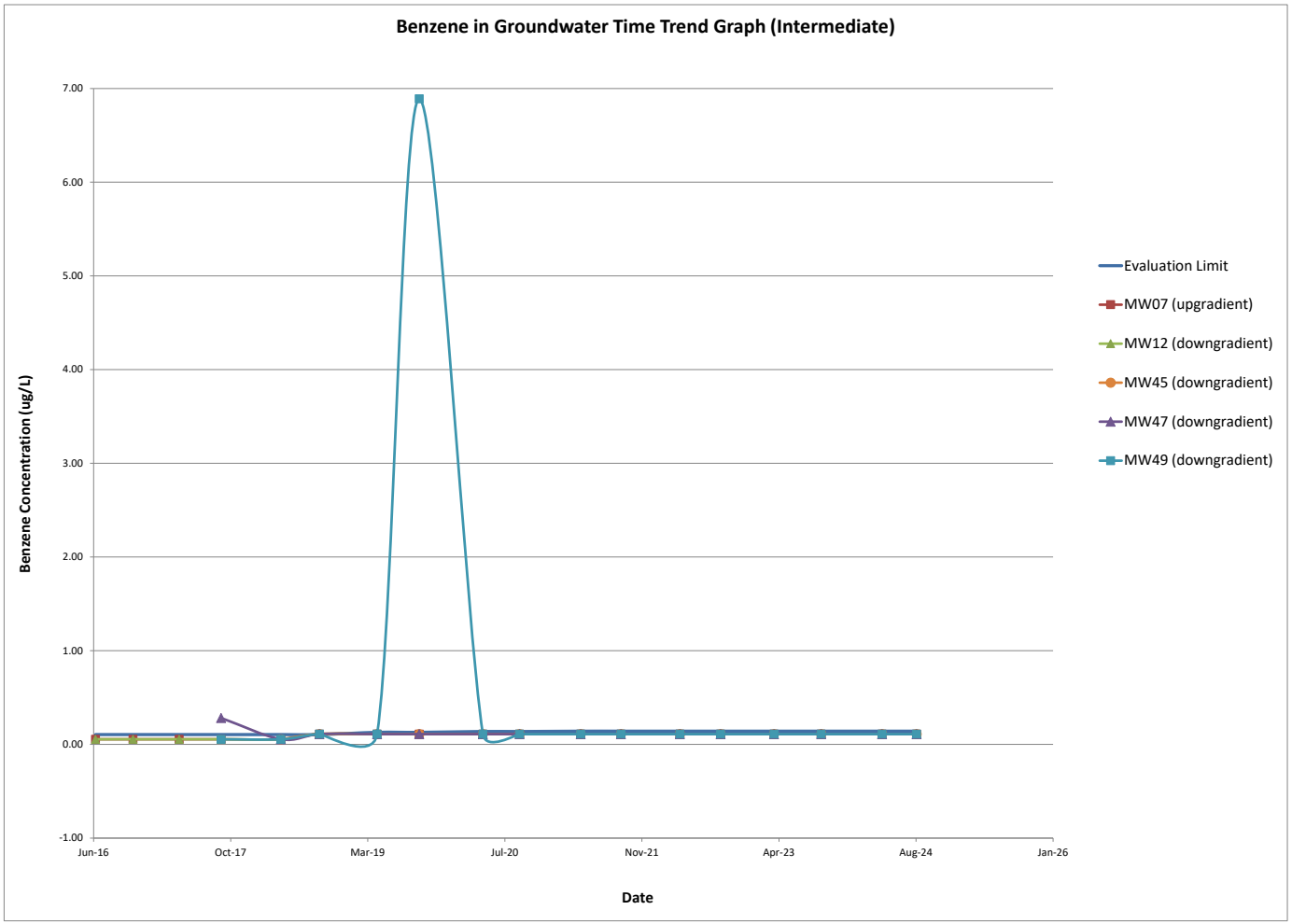
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	3.6540	0.895	0.895	NA	NA	NA
Oct-16	3.6540	0.895	0.895	NA	NA	NA
Apr-17	3.6540	2.32	2.63	NA	NA	NA
Sep-17	3.6540	3.56	3.58	5.83	5.83	4.20
Apr-18	3.6540	0.90	6.88	10.10	4.19	6.00
Sep-18	3.6540	1.55	3.53	3.78	1.55	1.55
Apr-19	3.3602	1.55	1.55	1.55	1.55	1.55
Sep-19	3.3602	1.55	1.55	1.55	1.55	15.50
Apr-20	3.1620	1.55	1.55	1.55	1.55	1.55
Sep-20	3.1617	1.55	1.55	1.55	1.55	1.55
Apr-21	3.0161	1.55	1.55	1.55	1.55	1.55
Sep-21	3.0161	1.55	1.55	1.55	1.55	1.55
Apr-22	3.0161	1.55	1.55	1.55	1.55	1.55
Sep-22	3.0161	1.55	1.55	1.55	1.55	1.55
Mar-23	3.0161	1.55	1.55	1.55	1.55	1.55
Sep-23	3.0161	1.55	3.54	1.55	1.55	1.55
Apr-24	3.0161	1.55	1.55	1.55	1.55	1.55
Aug-24	3.0161	1.55	1.55	1.55	1.55	1.55

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



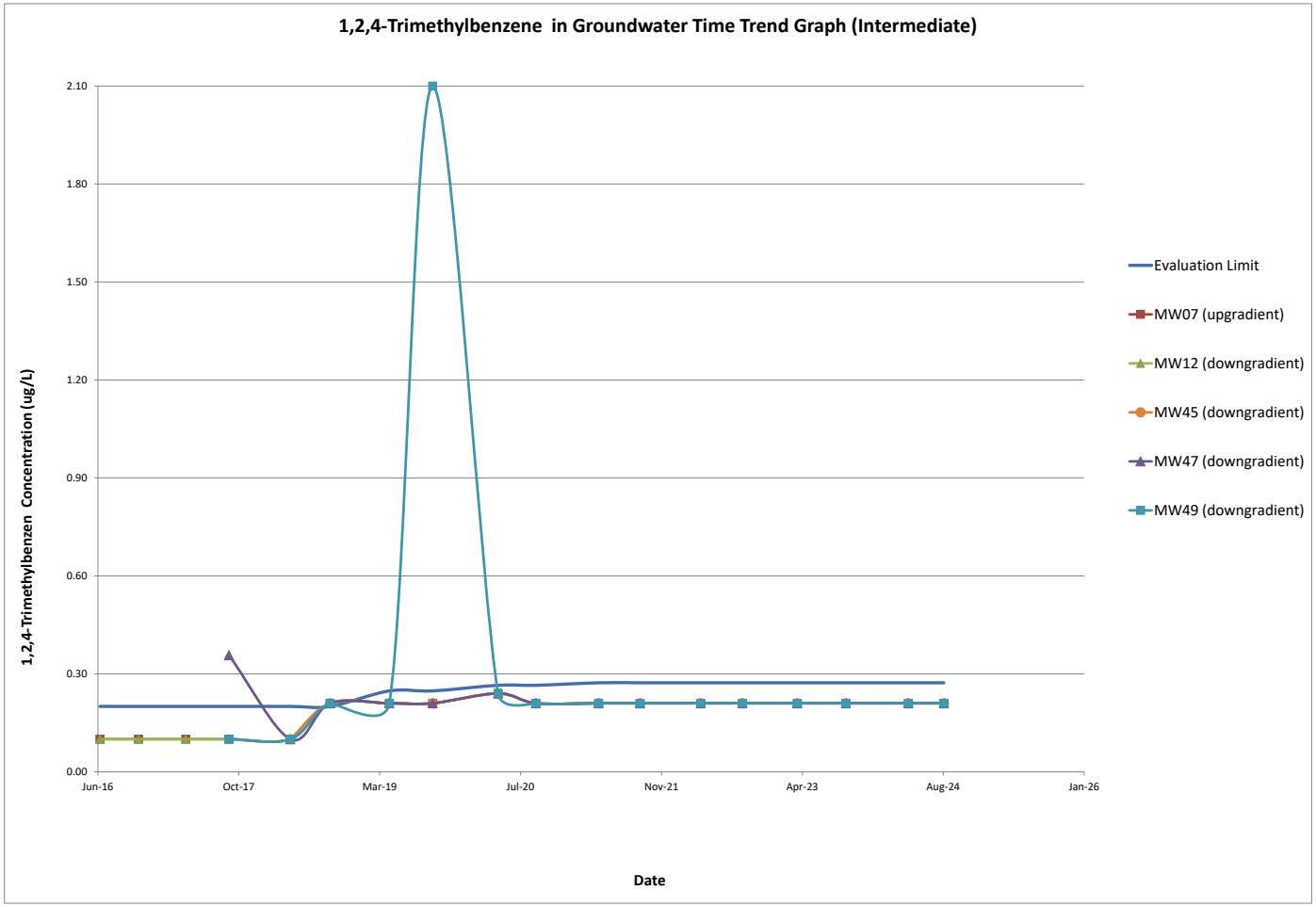
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.1050	0.055	0.055	NA	NA	NA
Oct-16	0.1050	0.055	0.055	NA	NA	NA
Apr-17	0.1050	0.055	0.055	NA	NA	NA
Sep-17	0.1050	0.055	0.055	NA	0.282	0.055
Apr-18	0.1050	0.055	0.055	0.055	0.055	0.055
Sep-18	0.1050	0.110	0.110	0.110	0.110	0.110
Apr-19	0.1289	0.110	0.110	0.110	0.110	0.110
Sep-19	0.1289	0.110	0.110	0.110	0.110	6.890
Apr-20	0.1380	0.110	0.110	0.110	0.110	0.110
Sep-20	0.1375	0.110	0.110	0.110	0.110	0.110
Apr-21	0.1413	0.110	0.110	0.110	0.110	0.110
Sep-21	0.1413	0.110	0.110	0.110	0.110	0.110
Apr-22	0.1413	0.110	0.110	0.110	0.110	0.110
Sep-22	0.1413	0.110	0.110	0.110	0.110	0.110
Mar-23	0.1413	0.110	0.110	0.110	0.110	0.110
Sep-23	0.1413	0.110	0.110	0.110	0.110	0.110
Apr-24	0.1413	0.110	0.110	0.110	0.110	0.110
Aug-24	0.1413	0.110	0.110	0.110	0.110	0.110

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



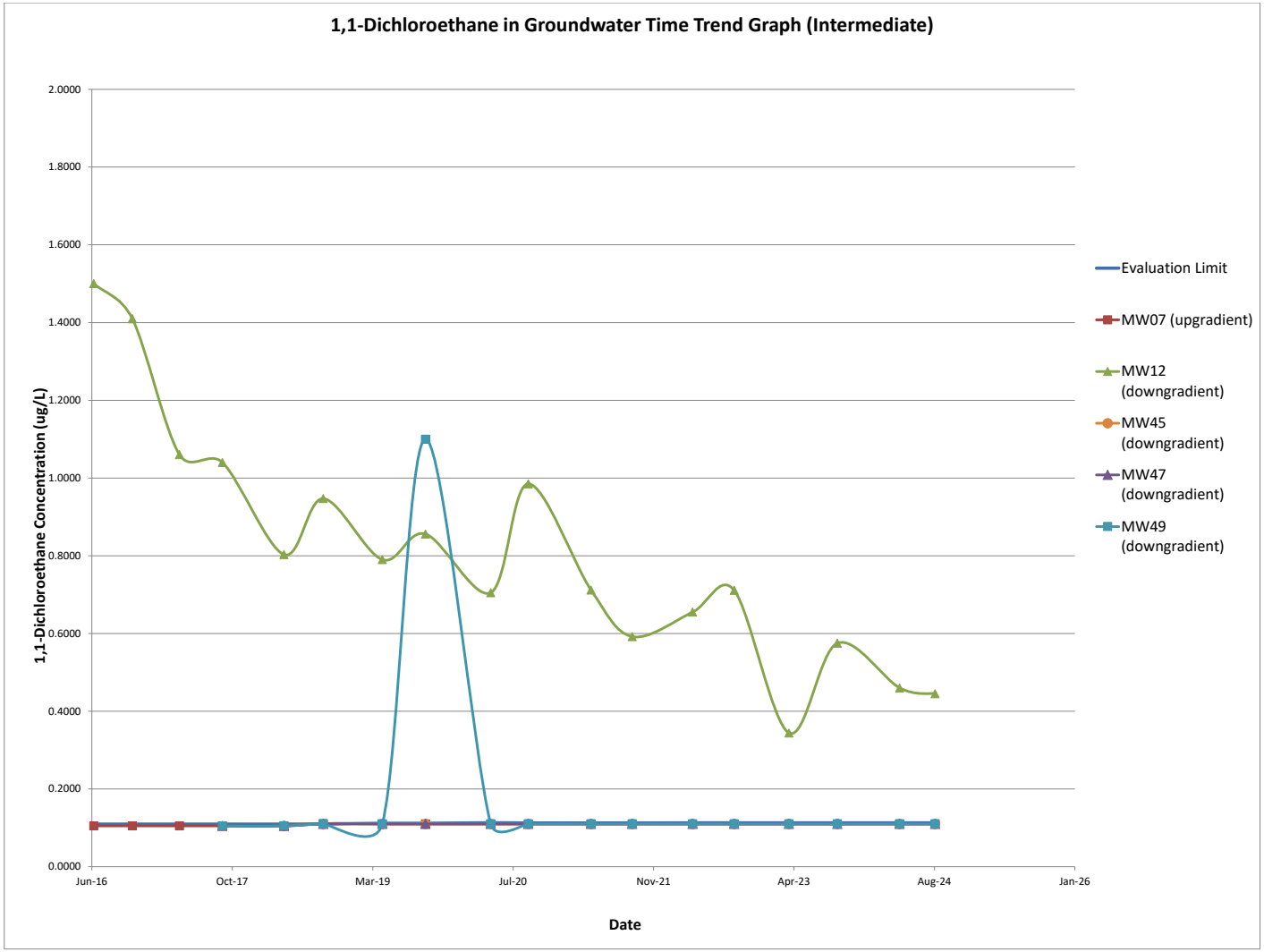
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.200	0.100	0.100	NA	NA	NA
Oct-16	0.200	0.100	0.100	NA	NA	NA
Apr-17	0.200	0.100	0.100	NA	NA	NA
Sep-17	0.200	0.100	0.100	NA	0.357	0.100
Apr-18	0.200	0.100	0.100	0.100	0.100	0.100
Sep-18	0.200	0.210	0.210	0.210	0.210	0.210
Apr-19	0.248	0.210	0.210	0.210	0.210	0.210
Sep-19	0.248	0.210	0.210	0.210	0.210	2.10
Apr-20	0.265	0.240	0.240	0.240	0.240	0.240
Sep-20	0.265	0.210	0.210	0.210	0.210	0.210
Apr-21	0.2726	0.210	0.210	0.210	0.210	0.210
Sep-21	0.2726	0.210	0.210	0.210	0.210	0.210
Apr-22	0.2726	0.210	0.210	0.210	0.210	0.210
Sep-22	0.2726	0.210	0.210	0.210	0.210	0.210
Mar-23	0.2726	0.210	0.210	0.210	0.210	0.210
Sep-23	0.2726	0.210	0.210	0.210	0.210	0.210
Apr-24	0.2726	0.210	0.210	0.210	0.210	0.210
Aug-24	0.2726	0.210	0.210	0.210	0.210	0.210

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



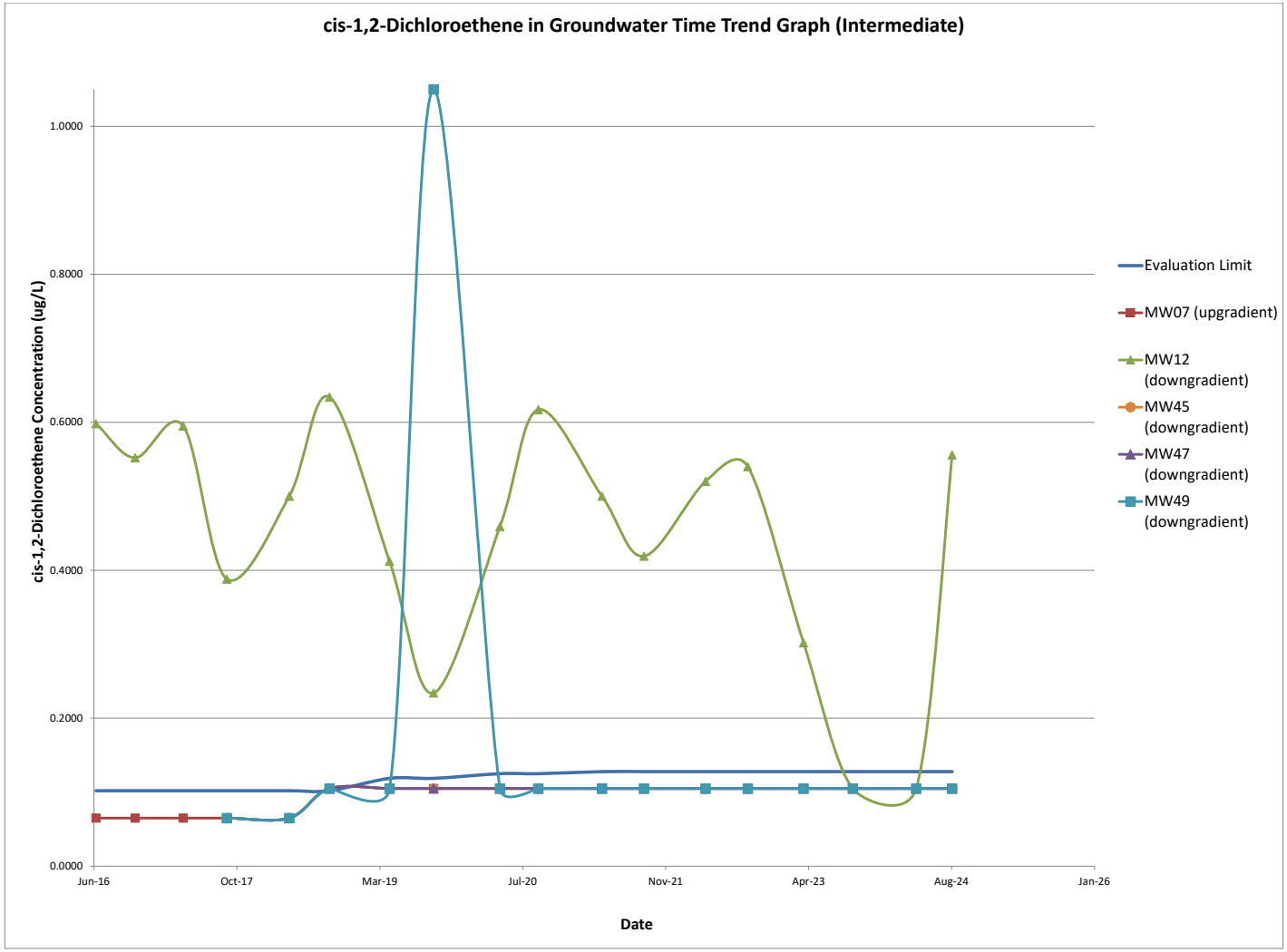
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.1096	0.105	1.500	NA	NA	NA
Oct-16	0.1096	0.105	1.410	NA	NA	NA
Apr-17	0.1096	0.105	1.060	NA	NA	NA
Sep-17	0.1096	0.105	1.040	NA	0.105	0.105
Apr-18	0.1096	0.105	0.803	0.105	0.105	0.105
Sep-18	0.1100	0.111	0.947	0.110	0.110	0.110
Apr-19	0.1117	0.110	0.790	0.110	0.110	0.110
Sep-19	0.1117	0.110	0.856	0.110	0.110	1.100
Apr-20	0.1130	0.110	0.705	0.110	0.110	0.110
Sep-20	0.1125	0.110	0.985	0.110	0.110	0.110
Apr-21	0.1125	0.110	0.712	0.110	0.110	0.110
Sep-21	0.1125	0.110	0.592	0.110	0.110	0.110
Apr-22	0.1128	0.110	0.655	0.110	0.110	0.110
Sep-22	0.1128	0.110	0.711	0.110	0.110	0.110
Mar-23	0.1128	0.110	0.344	0.110	0.110	0.110
Sep-23	0.1128	0.110	0.575	0.110	0.110	0.110
Apr-24	0.1128	0.110	0.460	0.110	0.110	0.110
Aug-24	0.1128	0.110	0.445	0.110	0.110	0.110

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



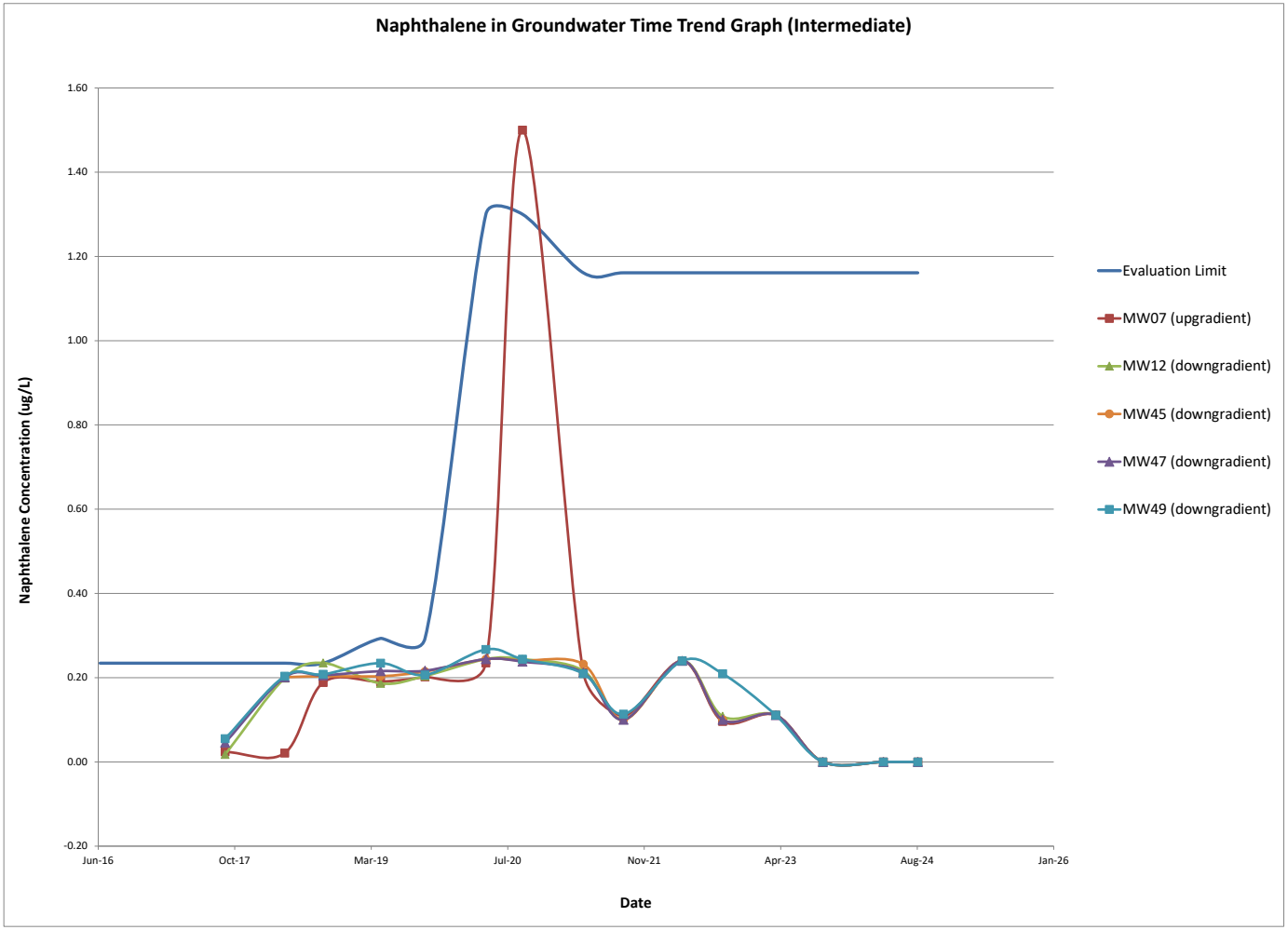
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.1020	0.065	0.598	NA	NA	NA
Oct-16	0.1020	0.065	0.552	NA	NA	NA
Apr-17	0.1020	0.065	0.595	NA	NA	NA
Sep-17	0.1020	0.065	0.388	0.065	0.065	0.065
Apr-18	0.1020	0.065	0.500	0.065	0.065	0.065
Sep-18	0.1020	0.105	0.634	0.105	0.105	0.105
Apr-19	0.1187	0.105	0.412	0.105	0.105	0.105
Sep-19	0.1187	0.105	0.234	0.105	0.105	1.05
Apr-20	0.1250	0.105	0.459	0.105	0.105	0.105
Sep-20	0.1250	0.105	0.617	0.105	0.105	0.105
Apr-21	0.1278	0.105	0.500	0.105	0.105	0.105
Sep-21	0.1278	0.105	0.419	0.105	0.105	0.105
Apr-22	0.1278	0.105	0.520	0.105	0.105	0.105
Sep-22	0.1278	0.105	0.540	0.105	0.105	0.105
Mar-23	0.1278	0.105	0.302	0.105	0.105	0.105
Sep-23	0.1278	0.105	0.105	0.105	0.105	0.105
Apr-24	0.1278	0.105	0.105	0.105	0.105	0.105
Aug-24	0.1278	0.105	0.556	0.105	0.105	0.105

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



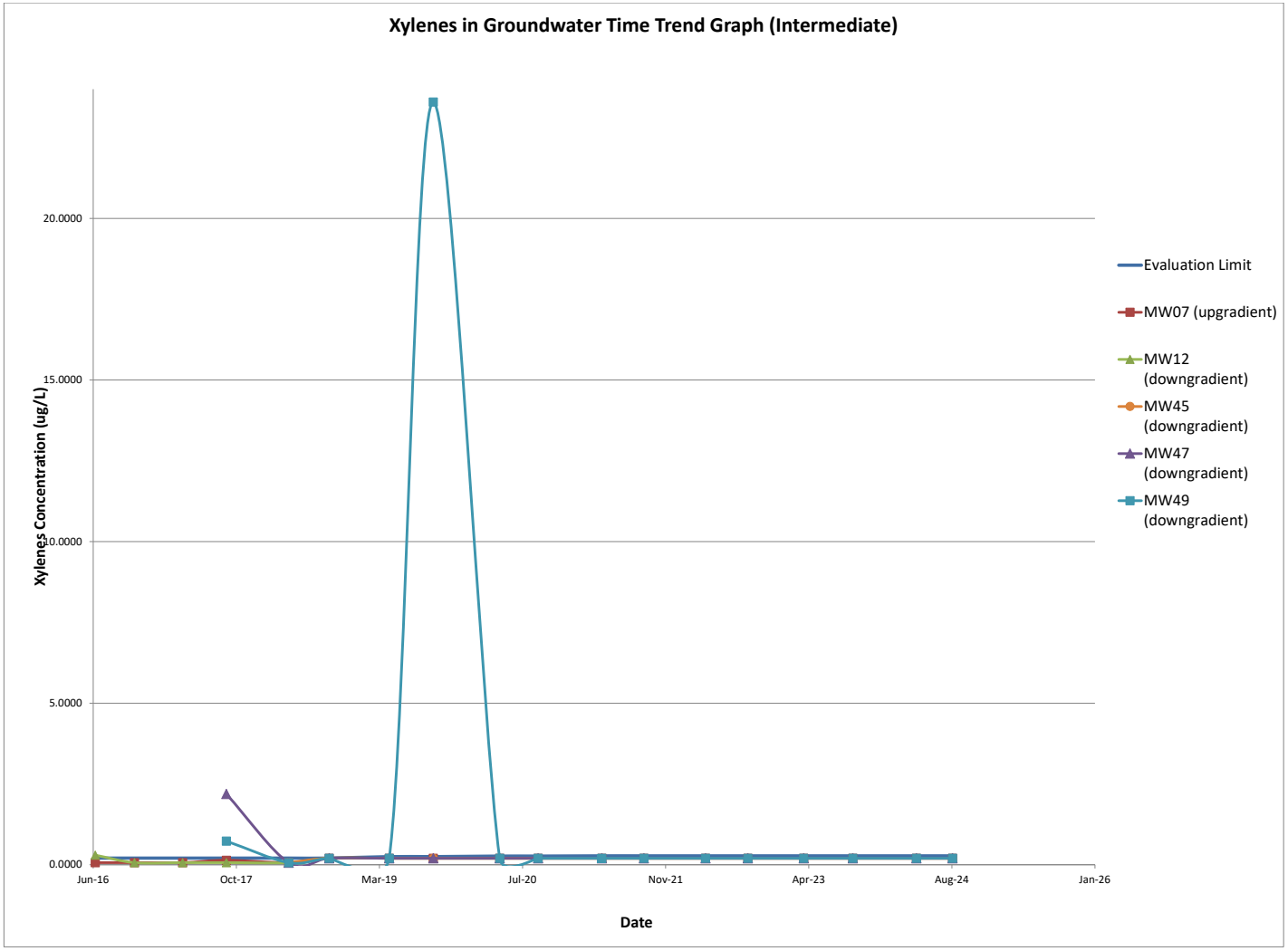
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.2344	NA	NA	NA	NA	NA
Oct-16	0.2344	NA	NA	NA	NA	NA
Apr-17	0.2344	NA	NA	NA	NA	NA
Sep-17	0.2344	0.0239	0.0176	NA	0.0458	0.0552
Apr-18	0.2344	0.0210	0.1990	0.2010	0.2010	0.2035
Sep-18	0.2344	0.1885	0.2350	0.2035	0.2055	0.2080
Apr-19	0.2932	0.1905	0.1865	0.2035	0.2155	0.2345
Sep-19	0.2932	0.2020	0.2040	0.2145	0.2165	0.2065
Apr-20	1.3002	0.2350	0.2440	0.2440	0.2440	0.2670
Sep-20	1.3002	1.5000	0.2440	0.2405	0.2380	0.2440
Apr-21	1.1612	0.2120	0.2165	0.2320	0.2120	0.2095
Sep-21	1.1612	0.1085	0.1000	0.1000	0.1000	0.1135
Apr-22	1.1612	0.2400	0.2400	0.2400	0.2400	0.2400
Sep-22	1.1612	0.0960	0.1085	0.1000	0.1000	0.2095
Mar-23	1.1612	0.111	0.111	0.111	0.111	0.111
Sep-23	1.1612	NA	NA	NA	NA	NA
Apr-24	1.1612	NA	NA	NA	NA	NA
Aug-24	1.1612	NA	NA	NA	NA	NA

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.
Note:
Increase in Eval. Limit due to laboratory error.



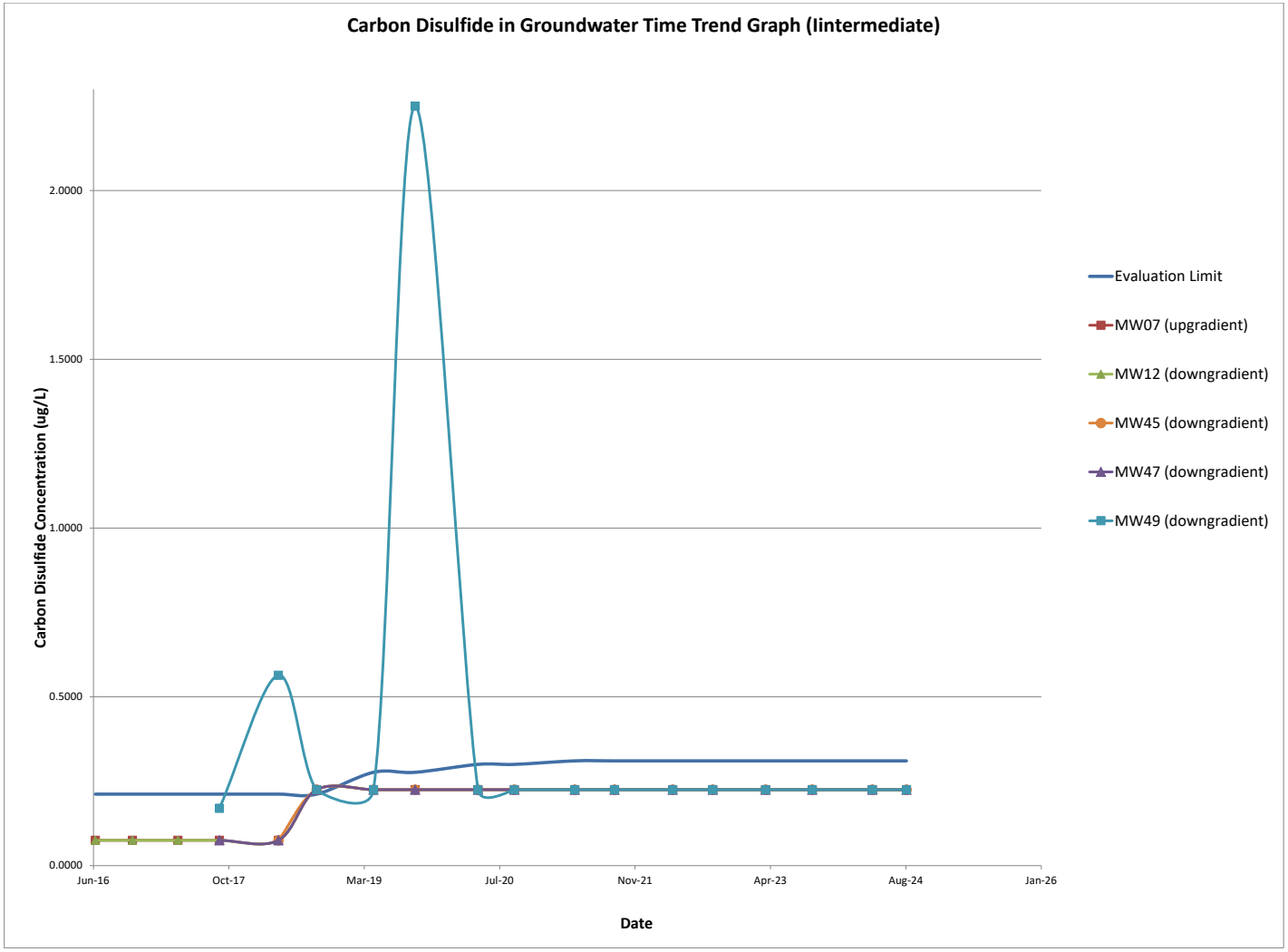
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.2049	0.0650	0.2980	NA	NA	NA
Oct-16	0.2049	0.0650	0.0650	NA	NA	NA
Apr-17	0.2049	0.0650	0.0650	NA	NA	NA
Sep-17	0.2049	0.1400	0.0650	NA	2.1900	0.7310
Apr-18	0.2049	0.0650	0.0650	0.0650	0.0650	0.0650
Sep-18	0.2049	0.2000	0.2000	0.2000	0.2000	0.2000
Apr-19	0.2505	0.2000	0.2000	0.2000	0.2000	0.2000
Sep-19	0.2505	0.2000	0.2000	0.2000	0.2000	23.6000
Apr-20	0.2673	0.2000	0.2000	0.2000	0.2000	0.2000
Sep-20	0.2673	0.2000	0.2000	0.2000	0.2000	0.2000
Apr-21	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000
Sep-21	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000
Apr-22	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000
Sep-22	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000
Mar-23	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000
Sep-23	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000
Apr-24	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000
Aug-24	0.2745	0.2000	0.2000	0.2000	0.2000	0.2000

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



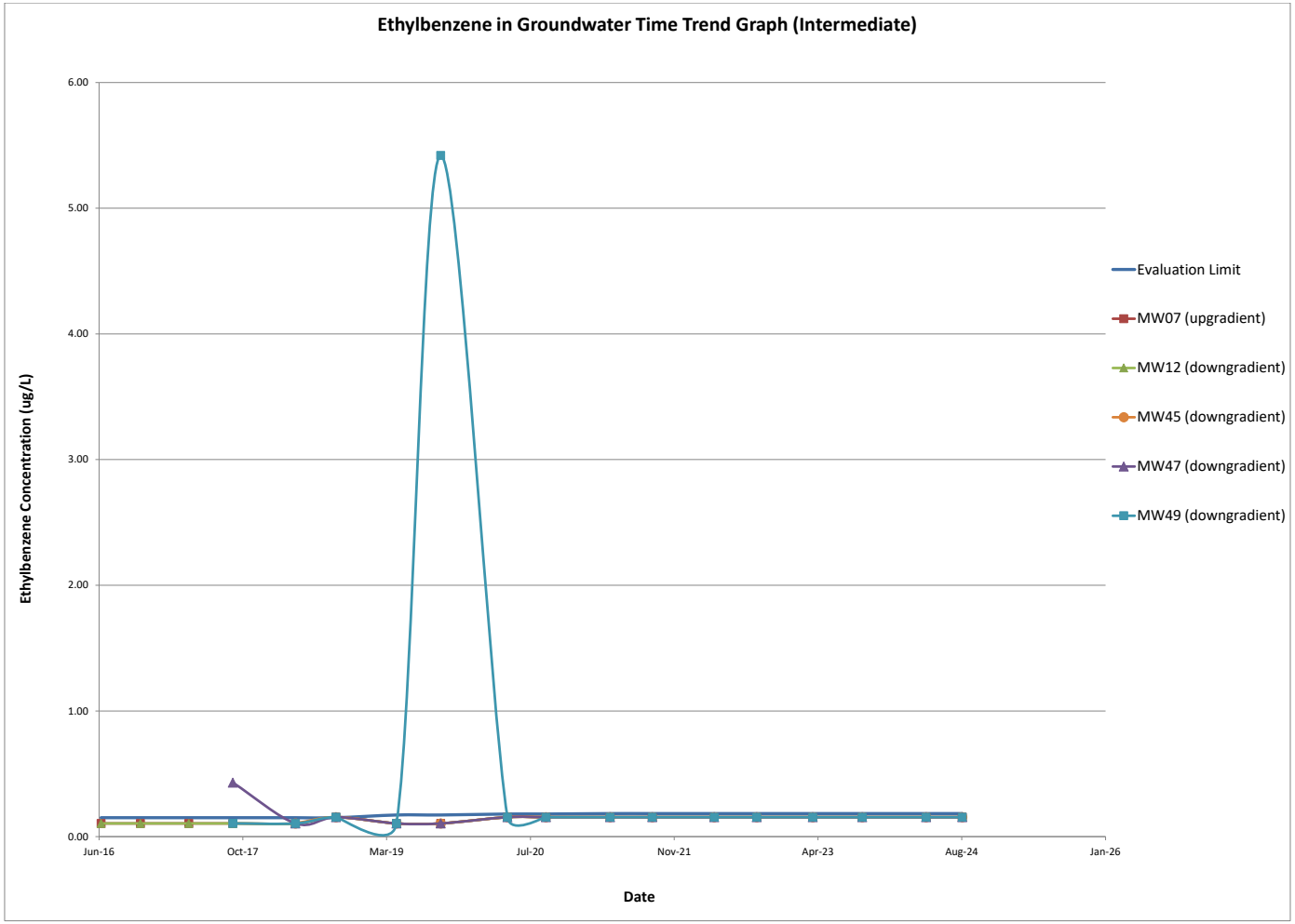
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.2118	0.075	0.075	NA	NA	NA
Oct-16	0.2118	0.075	0.075	NA	NA	NA
Apr-17	0.2118	0.075	0.075	NA	NA	NA
Sep-17	0.2118	0.075	0.075	NA	0.075	0.17
Apr-18	0.2118	0.075	0.075	0.075	0.075	0.564
Sep-18	0.2118	0.225	0.225	0.225	0.225	0.225
Apr-19	0.2765	0.225	0.225	0.225	0.225	0.225
Sep-19	0.2765	0.225	0.225	0.225	0.225	2.25
Apr-20	0.3000	0.225	0.225	0.225	0.225	0.225
Sep-20	0.3000	0.225	0.225	0.225	0.225	0.225
Apr-21	0.3104	0.225	0.225	0.225	0.225	0.225
Sep-21	0.3104	0.225	0.225	0.225	0.225	0.225
Apr-22	0.3104	0.225	0.225	0.225	0.225	0.225
Sep-22	0.3104	0.225	0.225	0.225	0.225	0.225
Mar-23	0.3104	0.225	0.225	0.225	0.225	0.225
Sep-23	0.3104	0.225	0.225	0.225	0.225	0.225
Apr-24	0.3104	0.225	0.225	0.225	0.225	0.225
Aug-24	0.3104	0.225	0.225	0.225	0.225	0.225

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



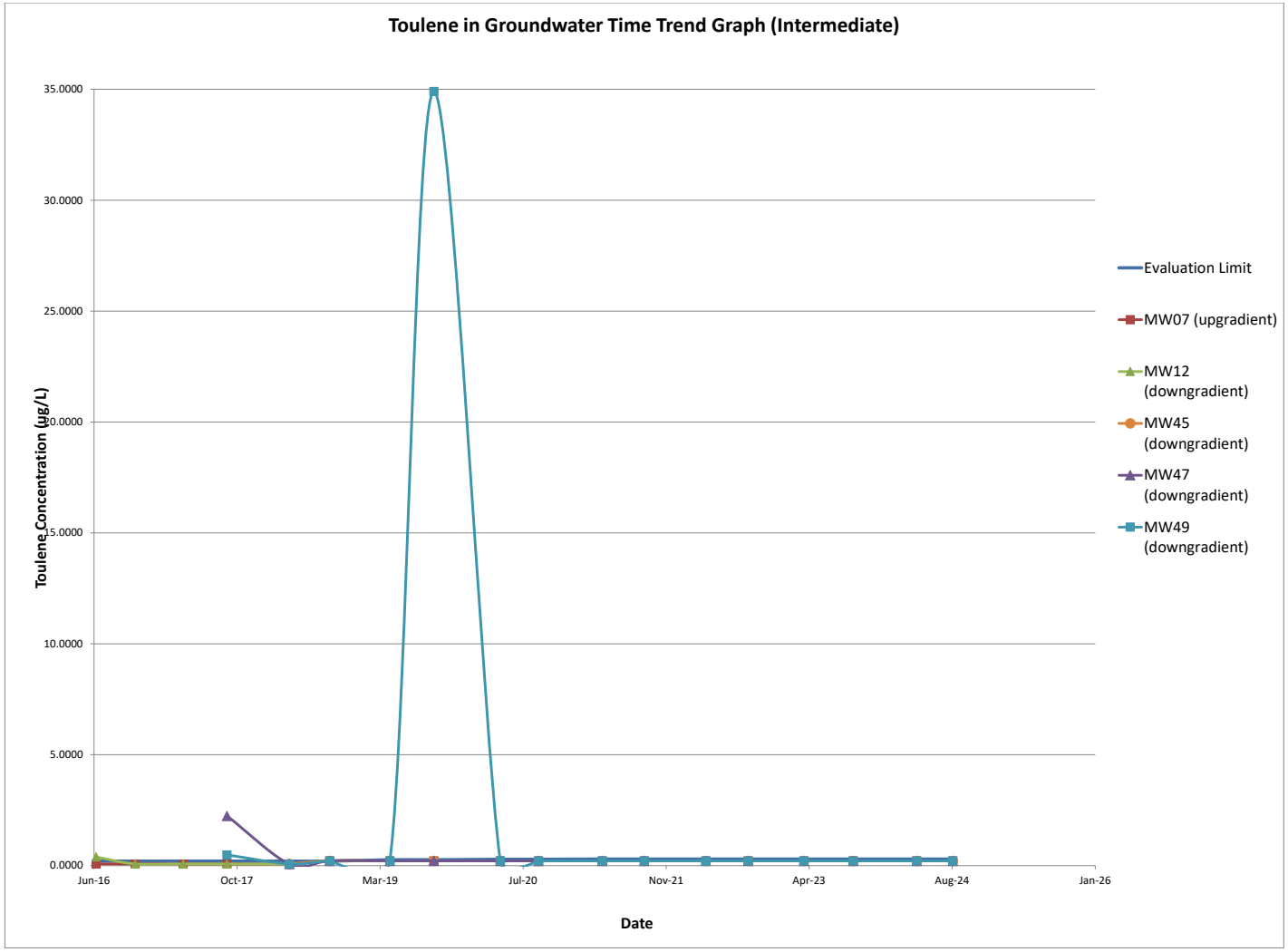
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.1506	0.105	0.105	NA	NA	NA
Oct-16	0.1506	0.105	0.105	NA	NA	NA
Apr-17	0.1506	0.105	0.105	NA	NA	NA
Sep-17	0.1506	0.105	0.105	NA	0.430	0.105
Apr-18	0.1506	0.105	0.105	0.105	0.105	0.105
Sep-18	0.1506	0.155	0.155	0.155	0.155	0.155
Apr-19	0.1722	0.105	0.105	0.105	0.105	0.105
Sep-19	0.1722	0.105	0.105	0.105	0.105	5.42
Apr-20	0.1800	0.155	0.155	0.155	0.155	0.155
Sep-20	0.1800	0.155	0.155	0.155	0.155	0.155
Apr-21	0.1835	0.155	0.155	0.155	0.155	0.155
Sep-21	0.1835	0.155	0.155	0.155	0.155	0.155
Apr-22	0.1835	0.155	0.155	0.155	0.155	0.155
Sep-22	0.1835	0.155	0.155	0.155	0.155	0.155
Mar-23	0.1835	0.155	0.155	0.155	0.155	0.155
Sep-23	0.1835	0.155	0.155	0.155	0.155	0.155
Apr-24	0.1835	0.155	0.155	0.155	0.155	0.155
Aug-24	0.1835	0.155	0.155	0.155	0.155	0.155

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.2027	0.075	0.391	NA	NA	NA
Oct-16	0.2027	0.075	0.075	NA	NA	NA
Apr-17	0.2027	0.075	0.075	NA	NA	NA
Sep-17	0.2027	0.075	0.075	NA	2.24	0.485
Apr-18	0.2027	0.075	0.075	0.075	0.075	0.075
Sep-18	0.2027	0.215	0.215	0.215	0.215	0.215
Apr-19	0.2631	0.215	0.215	0.215	0.215	0.215
Sep-19	0.2631	0.215	0.215	0.215	0.215	34.9
Apr-20	0.2850	0.215	0.215	0.215	0.215	0.215
Sep-20	0.2850	0.215	0.215	0.215	0.215	0.215
Apr-21	0.2947	0.215	0.215	0.215	0.215	0.215
Sep-21	0.2947	0.215	0.215	0.215	0.215	0.215
Apr-22	0.2947	0.215	0.215	0.215	0.215	0.215
Sep-22	0.2947	0.215	0.215	0.215	0.215	0.215
Mar-23	0.2947	0.215	0.215	0.215	0.215	0.215
Sep-23	0.2947	0.215	0.215	0.215	0.215	0.215
Apr-24	0.2947	0.215	0.215	0.215	0.215	0.215
Aug-24	0.2947	0.215	0.215	0.215	0.215	0.215

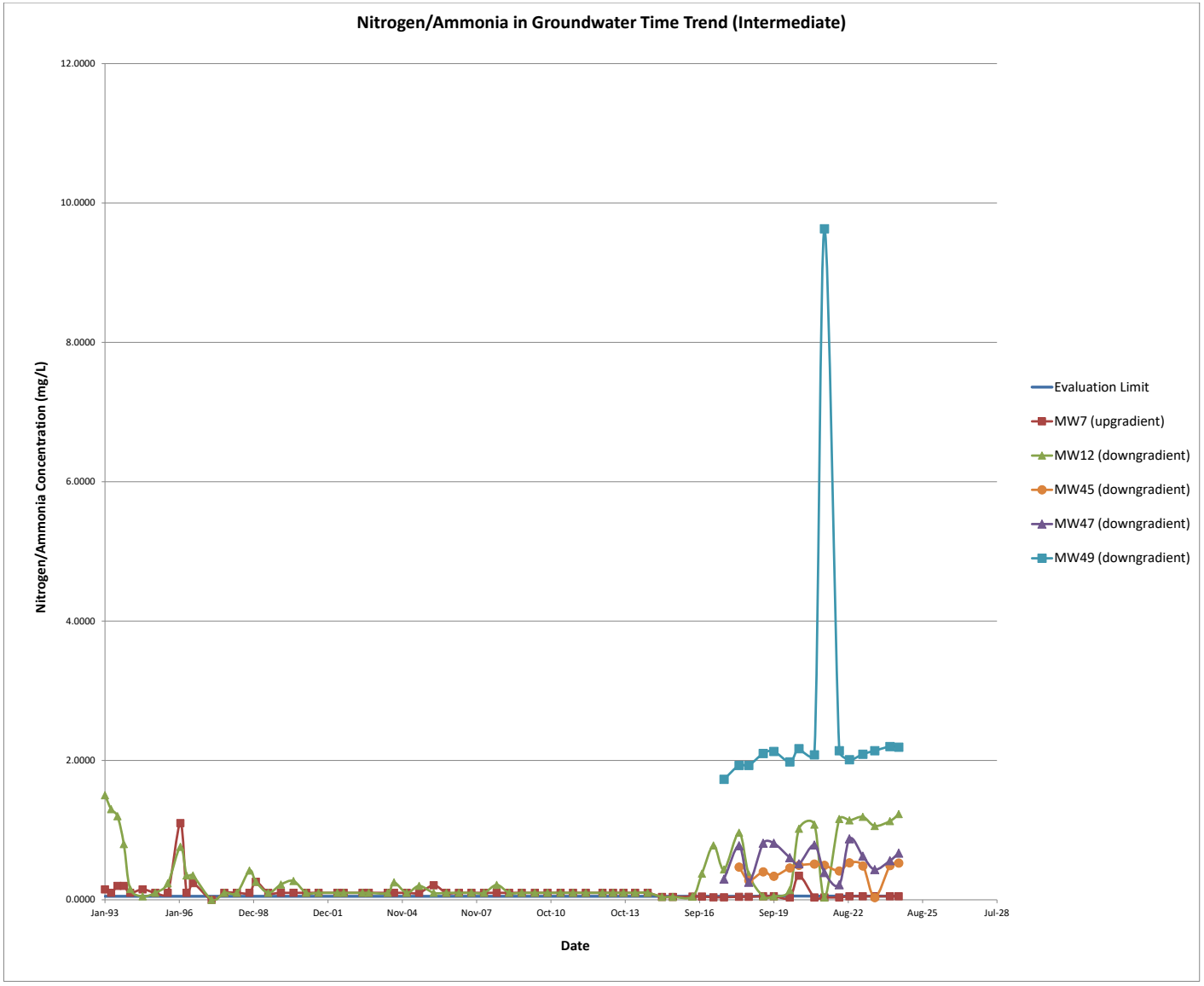
Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



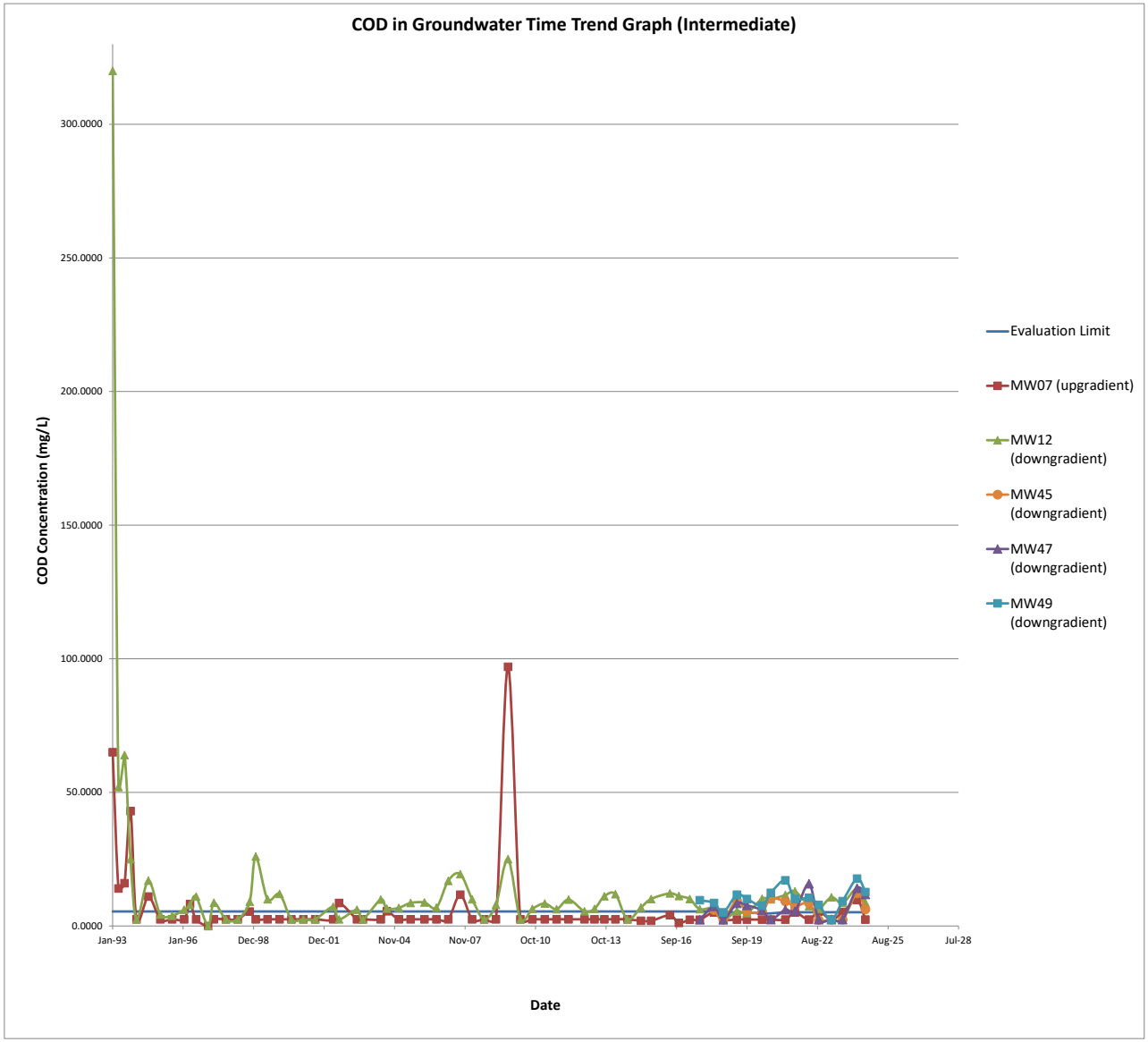
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Feb-93	0.0503	0.15	1.5	NA	NA	NA
May-93	0.0503	0.1	1.3	NA	NA	NA
Aug-93	0.0503	0.2	1.2	NA	NA	NA
Nov-93	0.0503	0.2	0.8	NA	NA	NA
Feb-94	0.0503	0.1	0.155	NA	NA	NA
Aug-94	0.0503	0.15	0.05	NA	NA	NA
Feb-95	0.0503	0.1	0.1	NA	NA	NA
Aug-95	0.0503	0.1	0.235	NA	NA	NA
Feb-96	0.0503	1.1	0.76	NA	NA	NA
May-96	0.0503	0.1	0.35	NA	NA	NA
Aug-96	0.0503	0.24	0.35	NA	NA	NA
May-97	0.0503	NA	NA	NA	NA	NA
Nov-97	0.0503	0.1	0.1	NA	NA	NA
May-98	0.0503	0.1	0.1	NA	NA	NA
Nov-98	0.0503	0.1	0.42	NA	NA	NA
Feb-99	0.0503	0.26	0.26	NA	NA	NA
Aug-99	0.0503	0.1	0.1	NA	NA	NA
Feb-00	0.0503	0.1	0.22	NA	NA	NA
Aug-00	0.0503	0.1	0.27	NA	NA	NA
Feb-01	0.0503	0.1	0.1	NA	NA	NA
Aug-01	0.0503	0.1	0.1	NA	NA	NA
May-02	0.0503	0.1	0.1	NA	NA	NA
Aug-02	0.0503	0.1	0.1	NA	NA	NA
May-03	0.0503	0.1	0.1	NA	NA	NA
Aug-03	0.0503	0.1	0.1	NA	NA	NA
May-04	0.0503	0.1	0.1	NA	NA	NA
Aug-04	0.0503	0.1	0.25	NA	NA	NA
Feb-05	0.0503	0.1	0.1	NA	NA	NA
Aug-05	0.0503	0.1	0.2	NA	NA	NA
Mar-06	0.0503	0.208	0.1	NA	NA	NA
Sep-06	0.0503	0.1	0.1	NA	NA	NA
Mar-07	0.0503	0.1	0.1	NA	NA	NA
Sep-07	0.0503	0.1	0.1	NA	NA	NA
Mar-08	0.0503	0.1	0.1	NA	NA	NA
Sep-08	0.0503	0.1	0.214	NA	NA	NA
Mar-09	0.0503	0.1	0.1	NA	NA	NA
Sep-09	0.0503	0.1	0.1	NA	NA	NA
Mar-10	0.0503	0.1	0.1	NA	NA	NA
Sep-10	0.0503	0.1	0.1	NA	NA	NA
Mar-11	0.0503	0.1	0.1	NA	NA	NA
Sep-11	0.0503	0.1	0.1	NA	NA	NA
Mar-12	0.0503	0.1	0.1	NA	NA	NA
Nov-12	0.0503	0.1	0.1	NA	NA	NA
Apr-13	0.0503	0.1	0.1	NA	NA	NA
Sep-13	0.0503	0.1	0.1	NA	NA	NA
Mar-14	0.0503	0.1	0.1	NA	NA	NA
Sep-14	0.0503	0.1	0.1	NA	NA	NA
Mar-15	0.0503	0.04195	0.04195	NA	NA	NA
Sep-15	0.0503	0.04195	0.04195	NA	NA	NA
Jun-16	0.0503	0.04665	0.04665	NA	NA	NA
Oct-16	0.0503	0.04665	0.376	NA	NA	NA
Apr-17	0.0503	0.0368	0.780	NA	NA	NA
Sep-17	0.0503	0.0368	0.436	NA	0.298	1.73
Apr-18	0.0503	0.043	0.963	0.47	0.776	1.93
Sep-18	0.0503	0.043	0.364	0.28	0.253	1.93
Apr-19	0.0539	0.05	0.05	0.401	0.813	2.10
Sep-19	0.0539	0.05	0.05	0.339	0.813	2.13
Apr-20	0.0538	0.0345	0.14	0.458	0.606	1.98
Sep-20	0.0538	0.345	1.02	0.496	0.517	2.17
Apr-21	0.0530	0.0345	1.08	0.514	0.787	2.08
Sep-21	0.0530	0.0345	0.0345	0.495	0.391	9.63
Apr-22	0.0530	0.0345	1.16	0.415	0.216	2.14
Sep-22	0.0530	0.05	1.14	0.531	0.875	2.01
Mar-23	0.0530	0.05	1.19	0.487	0.626	2.09
Sep-23	0.0530	0.05	1.06	0.0317	0.434	2.14
Apr-24	0.0530	0.05	1.13	0.491	0.562	2.2
Aug-24	0.0530	0.05	1.23	0.527	0.671	2.19

Note: Result Exceeds Evaluation Limit

Note: NDs reported at half MDL.

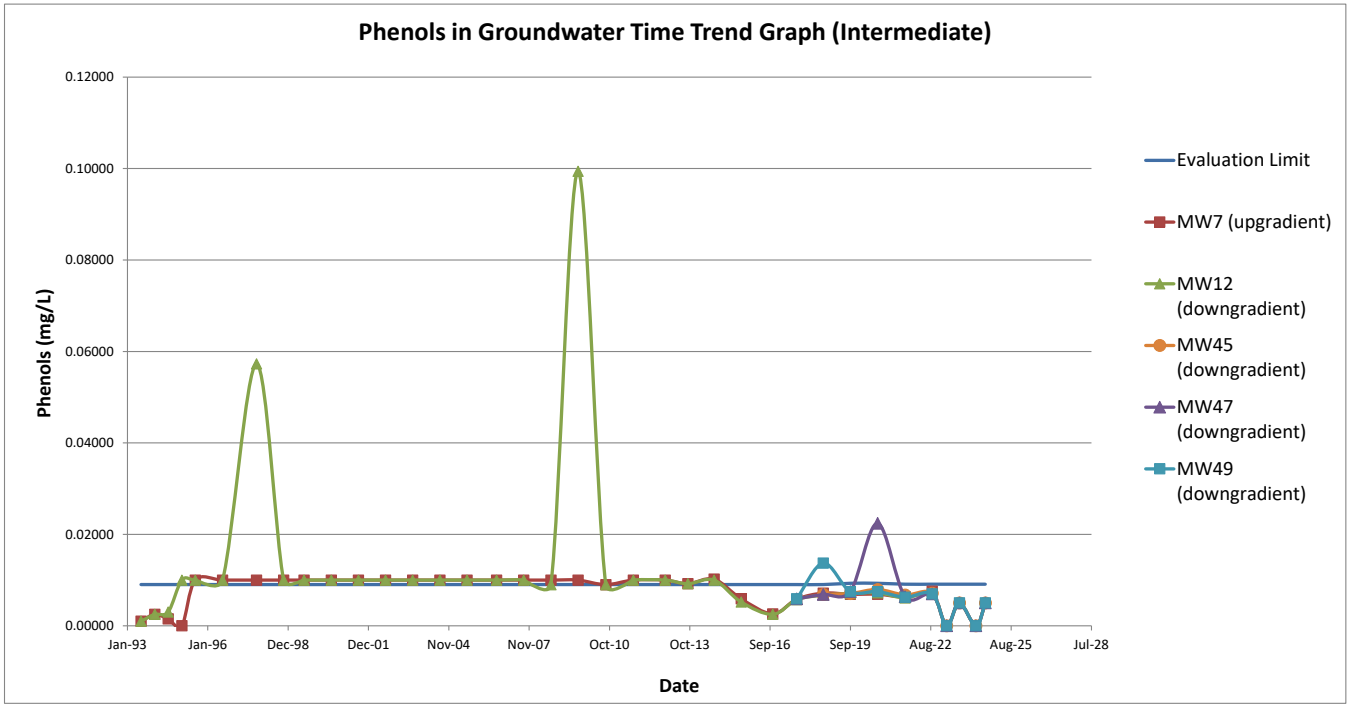


Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Feb-93	5.4289	65	320	NA	NA	NA
May-93	5.4289	14	52	NA	NA	NA
Aug-93	5.4289	16	64	NA	NA	NA
Nov-93	5.4289	43	25	NA	NA	NA
Feb-94	5.4289	2.5	2.5	NA	NA	NA
Aug-94	5.4289	11	17	NA	NA	NA
Feb-95	5.4289	2.5	4.25	NA	NA	NA
Aug-95	5.4289	2.5	3.85	NA	NA	NA
Feb-96	5.4289	2.5	6.1	NA	NA	NA
May-96	5.4289	8.2	7.9	NA	NA	NA
Aug-96	5.4289	2.5	11	NA	NA	NA
Feb-97	5.4289	NA	NA	NA	NA	NA
May-97	5.4289	2.5	8.7	NA	NA	NA
Nov-97	5.4289	2.5	2.5	NA	NA	NA
May-98	5.4289	2.5	2.5	NA	NA	NA
Nov-98	5.4289	5.4	9.1	NA	NA	NA
Feb-99	5.4289	2.5	26	NA	NA	NA
Aug-99	5.4289	2.5	10	NA	NA	NA
Feb-00	5.4289	2.5	12	NA	NA	NA
Aug-00	5.4289	2.5	2.5	NA	NA	NA
Feb-01	5.4289	2.5	2.5	NA	NA	NA
Aug-01	5.4289	2.5	2.5	NA	NA	NA
May-02	5.4289	2.5	7.2	NA	NA	NA
Aug-02	5.4289	8.6	2.5	NA	NA	NA
May-03	5.4289	2.5	6.1	NA	NA	NA
Aug-03	5.4289	2.5	2.5	NA	NA	NA
May-04	5.4289	2.5	9.9	NA	NA	NA
Aug-04	5.4289	5.5	6.5	NA	NA	NA
Feb-05	5.4289	2.5	6.8	NA	NA	NA
Aug-05	5.4289	2.5	8.6	NA	NA	NA
Mar-06	5.4289	2.5	8.8	NA	NA	NA
Sep-06	5.4289	2.5	6.9	NA	NA	NA
Mar-07	5.4289	2.5	16.9	NA	NA	NA
Sep-07	5.4289	11.7	19.4	NA	NA	NA
Mar-08	5.4289	2.5	10	NA	NA	NA
Sep-08	5.4289	2.5	2.5	NA	NA	NA
Mar-09	5.4289	2.5	7.9	NA	NA	NA
Sep-09	5.4289	97	25	NA	NA	NA
Mar-10	5.4289	2.5	2.5	NA	NA	NA
Sep-10	5.4289	2.5	6.4	NA	NA	NA
Mar-11	5.4289	2.5	8.4	NA	NA	NA
Sep-11	5.4289	2.5	6.3	NA	NA	NA
Mar-12	5.4289	2.5	9.9	NA	NA	NA
Nov-12	5.4289	2.5	5.5	NA	NA	NA
Apr-13	5.4289	2.5	6.4	NA	NA	NA
Sep-13	5.4289	2.5	11.1	NA	NA	NA
Mar-14	5.4289	2.5	11.9	NA	NA	NA
Sep-14	5.4289	2.5	2.5	NA	NA	NA
Mar-15	5.4289	1.94	6.89	NA	NA	NA
Sep-15	5.4289	1.94	10.1	NA	NA	NA
Jun-16	5.4289	4	12.2	NA	NA	NA
Oct-16	5.4289	1.155	11.2	NA	NA	NA
Apr-17	5.4289	2.34	10.1	NA	NA	NA
Sep-17	5.4289	2.34	6.3	NA	2.34	9.63
Apr-18	5.4289	5.05	6.65	6	7.3	8.6
Sep-18	5.4289	2.35	2.35	2.35	2.35	5.09
Apr-19	5.0058	2.40	5.57	9.53	8.45	11.7
Sep-19	5.0058	2.40	4.80	5.41	7.73	10.1
Apr-20	4.7171	2.40	10.2	5.52	5.87	7.59
Sep-20	4.7171	2.40	9.98	10.3	2.4	12.4
Apr-21	5.1376	2.40	11.6	9.18	6.1	17.1
Sep-21	5.1376	5.04	13	7.43	5.45	10.1
Apr-22	5.1376	2.40	7.44	8.49	15.8	10.6
Sep-22	5.1376	5.42	6.35	2.25	2.40	7.91
Mar-23	5.1376	2.40	10.7	2.40	2.40	2.40
Sep-23	5.1376	5.14	8.6	2.40	2.40	9.3
Apr-24	5.1376	9.68	14.1	12.20	14.10	17.70
Aug-24	5.1376	2.40	8.77	6.23	11.80	12.70



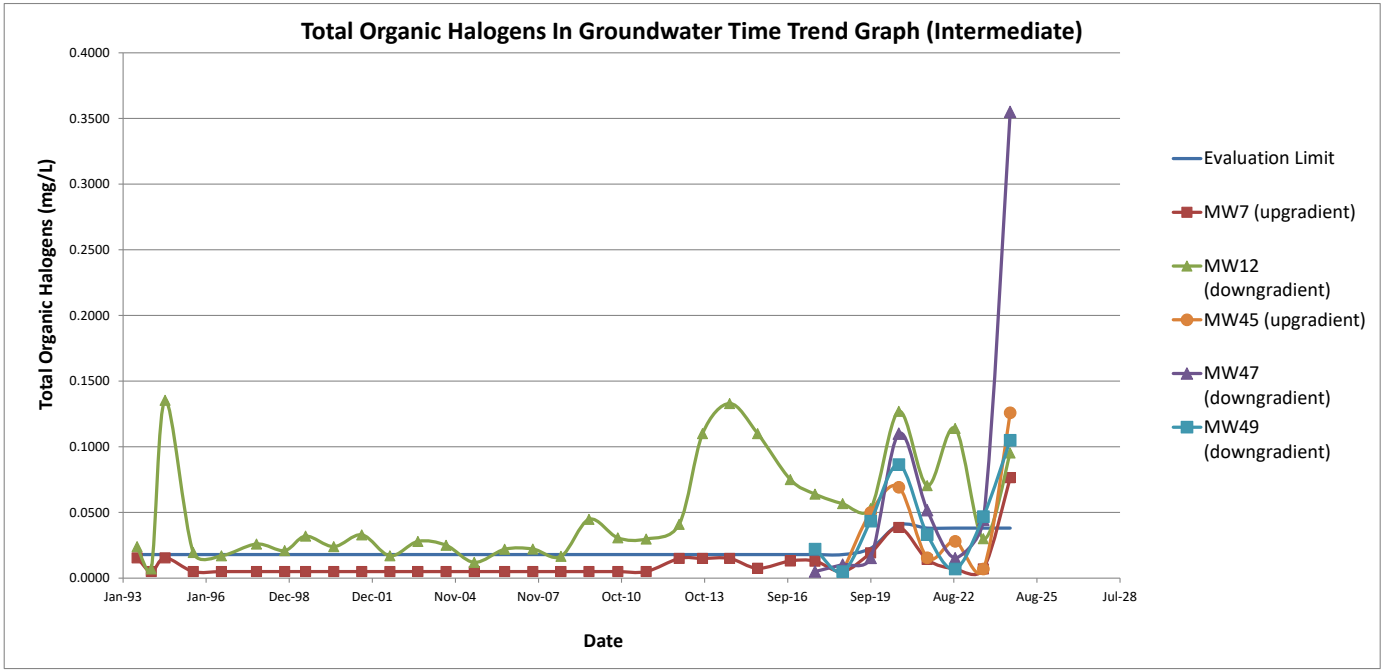
Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Aug-93	0.00902	0.00100	0.00100	NA	NA	NA
Feb-94	0.00902	0.00250	0.00250	NA	NA	NA
Aug-94	0.00902	0.00150	0.00300	NA	NA	NA
Feb-95	0.00902	NA	0.01000	NA	NA	NA
Aug-95	0.00902	0.01000	0.01000	NA	NA	NA
Aug-96	0.00902	0.01000	0.01000	NA	NA	NA
Nov-97	0.00902	0.01000	0.05730	NA	NA	NA
Nov-98	0.00902	0.01000	0.01000	NA	NA	NA
Aug-99	0.00902	0.01000	0.01000	NA	NA	NA
Aug-00	0.00902	0.01000	0.01000	NA	NA	NA
Aug-01	0.00902	0.01000	0.01000	NA	NA	NA
Aug-02	0.00902	0.01000	0.01000	NA	NA	NA
Aug-03	0.00902	0.01000	0.01000	NA	NA	NA
Aug-04	0.00902	0.01000	0.01000	NA	NA	NA
Aug-05	0.00902	0.01000	0.01000	NA	NA	NA
Sep-06	0.00902	0.01000	0.01000	NA	NA	NA
Sep-07	0.00902	0.01000	0.01000	NA	NA	NA
Sep-08	0.00902	0.01000	0.00900	NA	NA	NA
Sep-09	0.00902	0.01000	0.09940	NA	NA	NA
Sep-10	0.00902	0.00900	0.00900	NA	NA	NA
Sep-11	0.00902	0.01000	0.01000	NA	NA	NA
Nov-12	0.00902	0.01000	0.01000	NA	NA	NA
Sep-13	0.00902	0.00920	0.00920	NA	NA	NA
Sep-14	0.00902	0.01020	0.01000	NA	NA	NA
Sep-15	0.00902	0.00590	0.00520	NA	NA	NA
Oct-16	0.00902	0.00260	0.00250	NA	NA	NA
Sep-17	0.00902	0.00580	0.00570	NA	0.00590	0.00590
Sep-18	0.00902	0.00715	0.00670	0.00685	0.00685	0.01370
Sep-19	0.00930	0.00690	0.00705	0.00705	0.00750	0.00750
Sep-20	0.00930	0.00690	0.00720	0.00795	0.02240	0.00750
Sep-21	0.00910	0.00635	0.00610	0.00675	0.00635	0.00625
Sep-22	0.00910	0.00755	0.00700	0.00715	0.00700	0.00700
Mar-23	0.00910	NA	NA	NA	NA	NA
Sep-23	0.00910	0.0051	########	########	########	0.005
Apr-24	0.00910	NA	NA	NA	NA	NA
Aug-24	0.00910	########	########	########	########	0.005



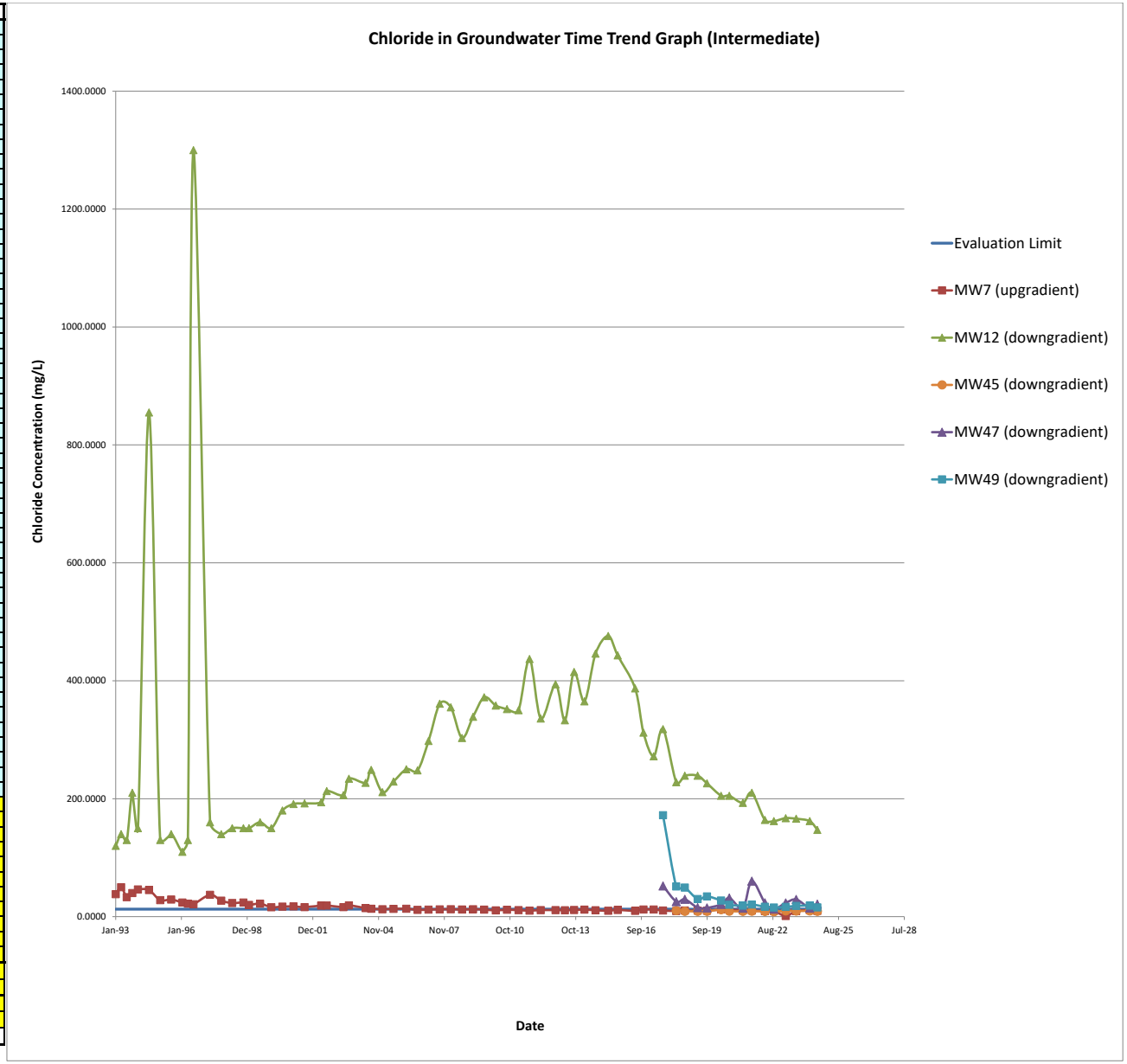
Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Aug-93	0.0180	0.0155	0.024	NA	NA	NA
Feb-94	0.0180	0.005	0.007	NA	NA	NA
Aug-94	0.0180	0.0155	0.1355	NA	NA	NA
Aug-95	0.0180	0.005	0.0195	NA	NA	NA
Aug-96	0.0180	0.005	0.017	NA	NA	NA
Nov-97	0.0180	0.005	0.026	NA	NA	NA
Nov-98	0.0180	0.005	0.021	NA	NA	NA
Aug-99	0.0180	0.005	0.032	NA	NA	NA
Aug-00	0.0180	0.005	0.024	NA	NA	NA
Aug-01	0.0180	0.005	0.033	NA	NA	NA
Aug-02	0.0180	0.005	0.017	NA	NA	NA
Aug-03	0.0180	0.005	0.028	NA	NA	NA
Aug-04	0.0180	0.005	0.025	NA	NA	NA
Aug-05	0.0180	0.005	0.012	NA	NA	NA
Sep-06	0.0180	0.005	0.022	NA	NA	NA
Sep-07	0.0180	0.005	0.0222	NA	NA	NA
Sep-08	0.0180	0.005	0.0166	NA	NA	NA
Sep-09	0.0180	0.005	0.0448	NA	NA	NA
Sep-10	0.0180	0.005	0.0307	NA	NA	NA
Sep-11	0.0180	0.005	0.0298	NA	NA	NA
Nov-12	0.0180	0.015	0.041	NA	NA	NA
Sep-13	0.0180	0.015	0.11	NA	NA	NA
Sep-14	0.0180	0.015	0.133	NA	NA	NA
Sep-15	0.0180	0.0075	0.11	NA	NA	NA
Oct-16	0.0180	0.0131	0.0751	NA	NA	NA
Sep-17	0.0180	0.0130	0.0640	NA	0.005	0.0221
Sep-18	0.0180	0.0050	0.0567	0.005	0.0103	0.005
Sep-19	0.0227	0.0193	0.0529	0.0500	0.0154	0.0435
Sep-20	0.0405	0.0386	0.1270	0.0693	0.1100	0.0865
Sep-21	0.0381	0.0142	0.0705	0.0156	0.0517	0.0332
Sep-22	0.0381	0.0070	0.1140	0.0281	0.0152	0.007
Sep-23	0.0381	0.0070	0.0300	0.0070	0.0445	0.0469
Aug-24	0.0381	0.0765	0.0953	0.1260	0.355	0.105



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

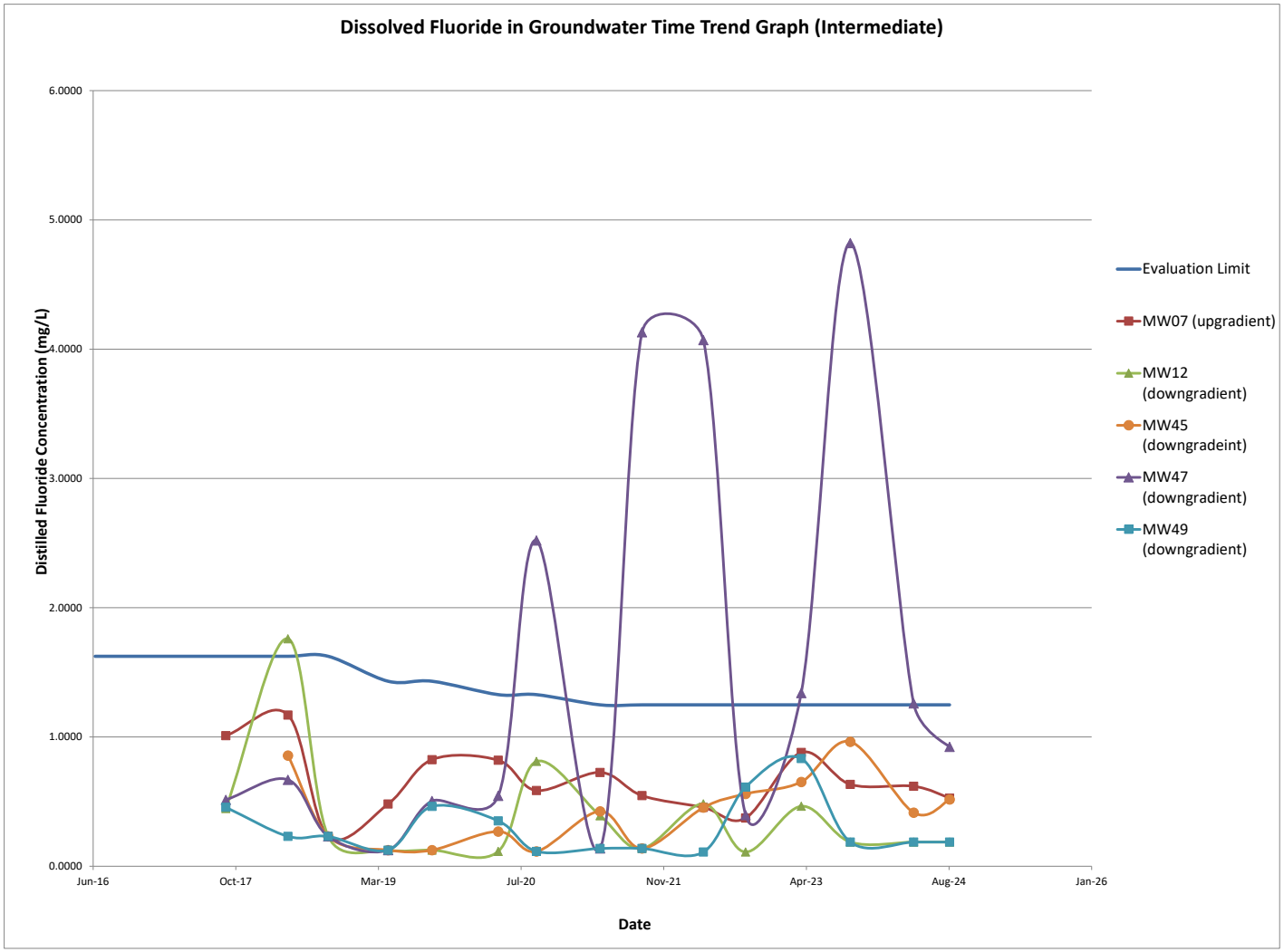
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Feb-93	12.6746	38	120	NA	NA	NA
May-93	12.6746	50	140	NA	NA	NA
Aug-93	12.6746	33	130	NA	NA	NA
Nov-93	12.6746	40	210	NA	NA	NA
Feb-94	12.6746	46	150	NA	NA	NA
Aug-94	12.6746	45	855	NA	NA	NA
Feb-95	12.6746	28	130	NA	NA	NA
Aug-95	12.6746	29	140	NA	NA	NA
Feb-96	12.6746	24	110	NA	NA	NA
May-96	12.6746	22	130	NA	NA	NA
Aug-96	12.6746	21	1300	NA	NA	NA
May-97	12.6746	37	160	NA	NA	NA
Nov-97	12.6746	27	140	NA	NA	NA
May-98	12.6746	23	150	NA	NA	NA
Nov-98	12.6746	24	150	NA	NA	NA
Feb-99	12.6746	20	150	NA	NA	NA
Aug-99	12.6746	22	160	NA	NA	NA
Feb-00	12.6746	16	150	NA	NA	NA
Aug-00	12.6746	17	180	NA	NA	NA
Feb-01	12.6746	17.3	191	NA	NA	NA
Aug-01	12.6746	16.2	192	NA	NA	NA
May-02	12.6746	18.7	194	NA	NA	NA
Aug-02	12.6746	18.8	213	NA	NA	NA
May-03	12.6746	16.2	206	NA	NA	NA
Aug-03	12.6746	19.1	234	NA	NA	NA
May-04	12.6746	14.5	227	NA	NA	NA
Aug-04	12.6746	13.3	249	NA	NA	NA
Feb-05	12.6746	12.6	211	NA	NA	NA
Aug-05	12.6746	13.1	229	NA	NA	NA
Mar-06	12.6746	13.3	250	NA	NA	NA
Sep-06	12.6746	11.4	248	NA	NA	NA
Mar-07	12.6746	11.9	298	NA	NA	NA
Sep-07	12.6746	12.3	361	NA	NA	NA
Mar-08	12.6746	12.5	355	NA	NA	NA
Sep-08	12.6746	12	303	NA	NA	NA
Mar-09	12.6746	12.6	339	NA	NA	NA
Sep-09	12.6746	11.9	372	NA	NA	NA
Mar-10	12.6746	10.7	358	NA	NA	NA
Sep-10	12.6746	11.6	352	NA	NA	NA
Mar-11	12.6746	11	350	NA	NA	NA
Sep-11	12.6746	10.1	437	NA	NA	NA
Mar-12	12.6746	11.1	336	NA	NA	NA
Nov-12	12.6746	11.1	394	NA	NA	NA
Apr-13	12.6746	10.8	333	NA	NA	NA
Sep-13	12.6746	11.2	415	NA	NA	NA
Mar-14	12.6746	11.9	365	NA	NA	NA
Sep-14	12.6746	10.8	446	NA	NA	NA
Mar-15	12.6746	9.99	476	NA	NA	NA
Sep-15	12.6746	11.3	443	NA	NA	NA
Jun-16	12.6746	9.83	387	NA	NA	NA
Oct-16	12.6746	12	312	NA	NA	NA
Apr-17	12.6746	12.1	272	NA	NA	NA
Sep-17	12.6746	10.3	318	NA	52	172
Apr-18	12.6746	9.64	228	10.5	25.5	51.2
Sep-18	12.6746	10.4	239	9.1	29.4	49.2
Apr-19	12.3409	10.1	239	9.12	15.2	29.8
Sep-19	12.3409	10.0	226	9.17	14.9	34.3
Apr-20	12.8574	12.2	205	11.9	20.7	27.2
Sep-20	12.8574	11.9	205	9.26	31.6	20.2
Apr-21	12.6497	10.7	193	9.14	14.4	18.6
Sep-21	12.6497	10.3	210	9.3	60.3	20.6
Apr-22	12.6497	9.42	164	8.87	23.6	16.7
Sep-22	12.6497	9.55	162	8.31	12.8	15.4
Mar-23	12.6497	1.125	167	9.82	23.2	16.5
Sep-23	12.6497	9.45	166	9.49	29.1	18.2
Apr-24	12.6497	11	162	9.77	14.7	18.7
Aug-24	12.6497	9.87	147	9.06	21.1	15.7



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

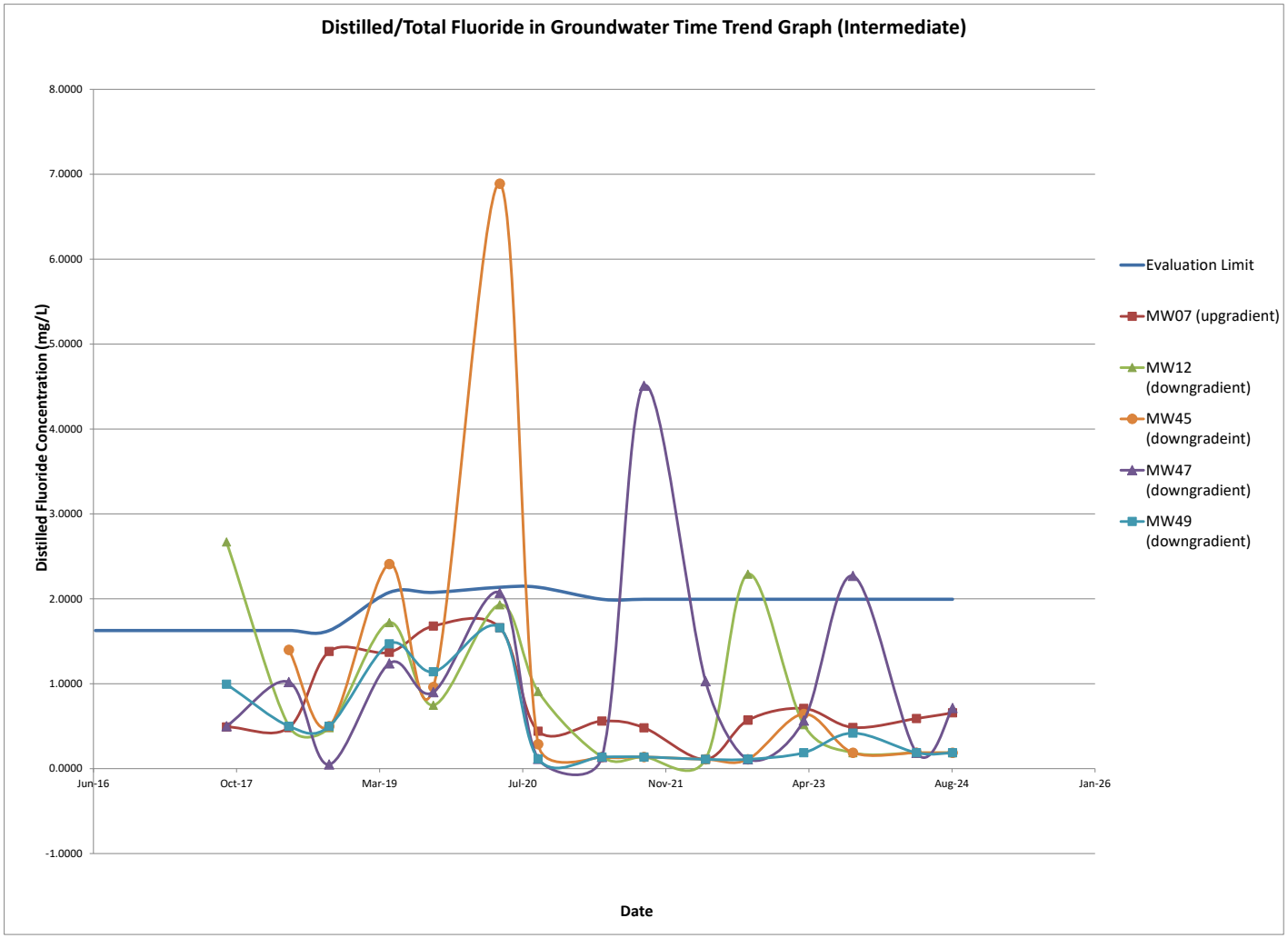
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	1.6240	NA	NA	NA	NA	NA
Oct-16	1.6240	NA	NA	NA	NA	NA
Apr-17	1.6240	NA	NA	NA	NA	NA
Sep-17	1.6240	1.010	0.446	NA	0.514	0.456
Apr-18	1.6240	1.170	1.76	0.856	0.669	0.231
Sep-18	1.6240	0.231	0.231	0.231	0.231	0.231
Apr-19	1.4310	0.482	0.125	0.125	0.125	0.125
Sep-19	1.4310	0.825	0.125	0.125	0.505	0.463
Apr-20	1.3274	0.820	0.115	0.269	0.544	0.351
Sep-20	1.3274	0.586	0.811	0.115	2.52	0.115
Apr-21	1.2485	0.726	0.391	0.425	0.1375	0.1375
Sep-21	1.2485	0.546	0.1375	0.1375	4.13	0.1375
Apr-22	1.2485	0.455	0.483	0.454	4.07	0.110
Sep-22	1.2485	0.373	0.110	0.560	0.396	0.612
Mar-23	1.2485	0.880	0.464	0.652	1.34	0.833
Sep-23	1.2485	0.633	0.187	0.963	4.82	0.187
Apr-24	1.2485	0.619	0.187	0.415	1.26	0.187
Aug-24	1.2485	0.527	0.187	0.517	0.923	0.187

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



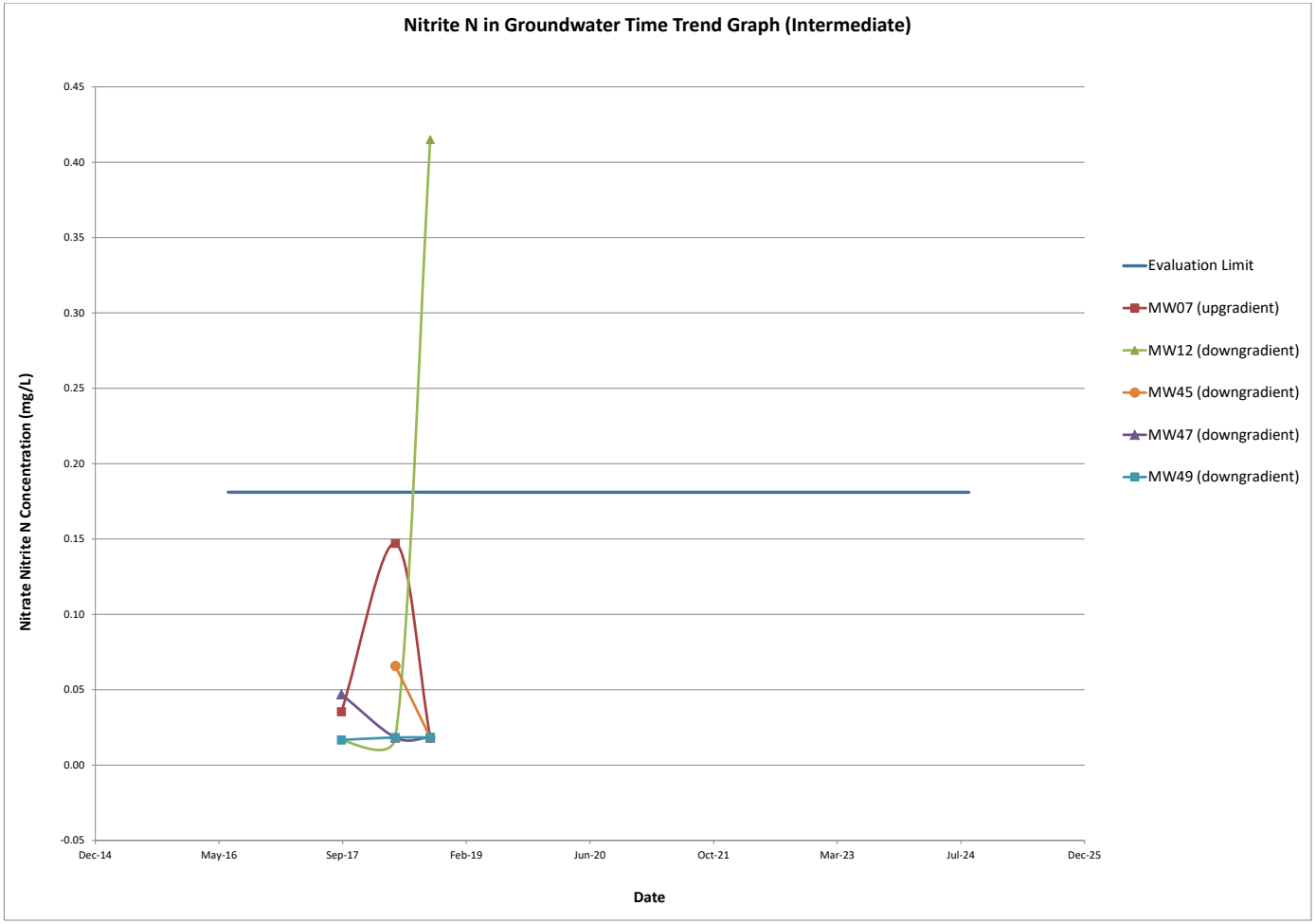
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	1.6265	NA	NA	NA	NA	NA
Oct-16	1.6265	NA	NA	NA	NA	NA
Apr-17	1.6265	NA	NA	NA	NA	NA
Sep-17	1.6265	0.492	2.67	NA	0.5	0.995
Apr-18	1.6265	0.484	0.5	1.4	1.02	0.5
Sep-18	1.6265	1.380	0.4835	0.5	0.04915	0.5
Apr-19	2.0755	1.37	1.72	2.41	1.24	1.47
Sep-19	2.0755	1.68	0.747	0.961	0.901	1.14
Apr-20	2.1361	1.66	1.93	6.89	2.07	1.66
Sep-20	2.1361	0.44	0.909	0.288	0.115	0.115
Apr-21	1.9946	0.56	0.1375	0.1375	0.1375	0.1375
Sep-21	1.9946	0.48	0.1375	0.1375	4.51	0.1375
Apr-22	1.9946	0.110	0.11	0.11	1.03	0.11
Sep-22	1.9946	0.570	2.29	0.11	0.11	0.11
Mar-23	1.9946	0.709	0.518	0.644	0.566	0.187
Sep-23	1.9946	0.485	0.187	0.187	2.27	0.419
Apr-24	1.9946	0.59	0.187	0.187	0.187	0.187
Aug-24	1.9946	0.657	0.187	0.187	0.715	0.187

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.

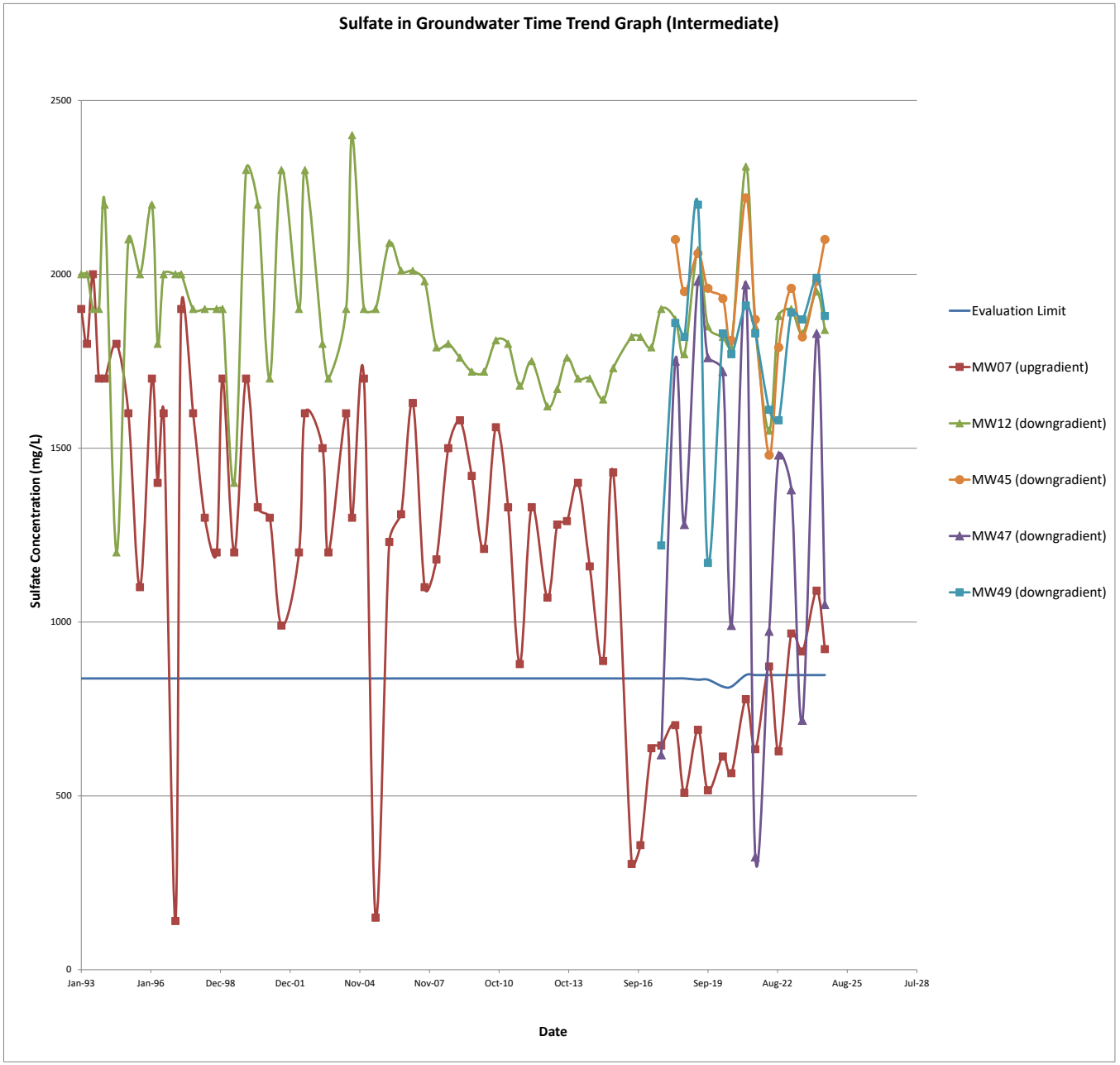


Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.1810	NA	NA	NA	NA	NA
Oct-16	0.1810	NA	NA	NA	NA	NA
Apr-17	0.1810	NA	NA	NA	NA	NA
Sep-17	0.1810	0.0354	0.0167	NA	0.0470	0.0167
Apr-18	0.1810	0.1470	0.0183	0.0658	0.0183	0.0183
Sep-18	0.1810	0.0183	0.4150	0.0183	0.0183	0.0183
Apr-19	0.1810	NA	NA	NA	NA	NA
Sep-19	0.1810	NA	NA	NA	NA	NA
Apr-20	0.1810	NA	NA	NA	NA	NA
Sep-20	0.1810	NA	NA	NA	NA	NA
Apr-21	0.1810	NA	NA	NA	NA	NA
Sep-21	0.1810	NA	NA	NA	NA	NA
Apr-22	0.1810	NA	NA	NA	NA	NA
Sep-22	0.1810	NA	NA	NA	NA	NA
Mar-23	0.1810	NA	NA	NA	NA	NA
Sep-23	0.1810	NA	NA	NA	NA	NA
24-Apr	0.1810	NA	NA	NA	NA	NA
Aug-24	0.1810	NA	NA	NA	NA	NA

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



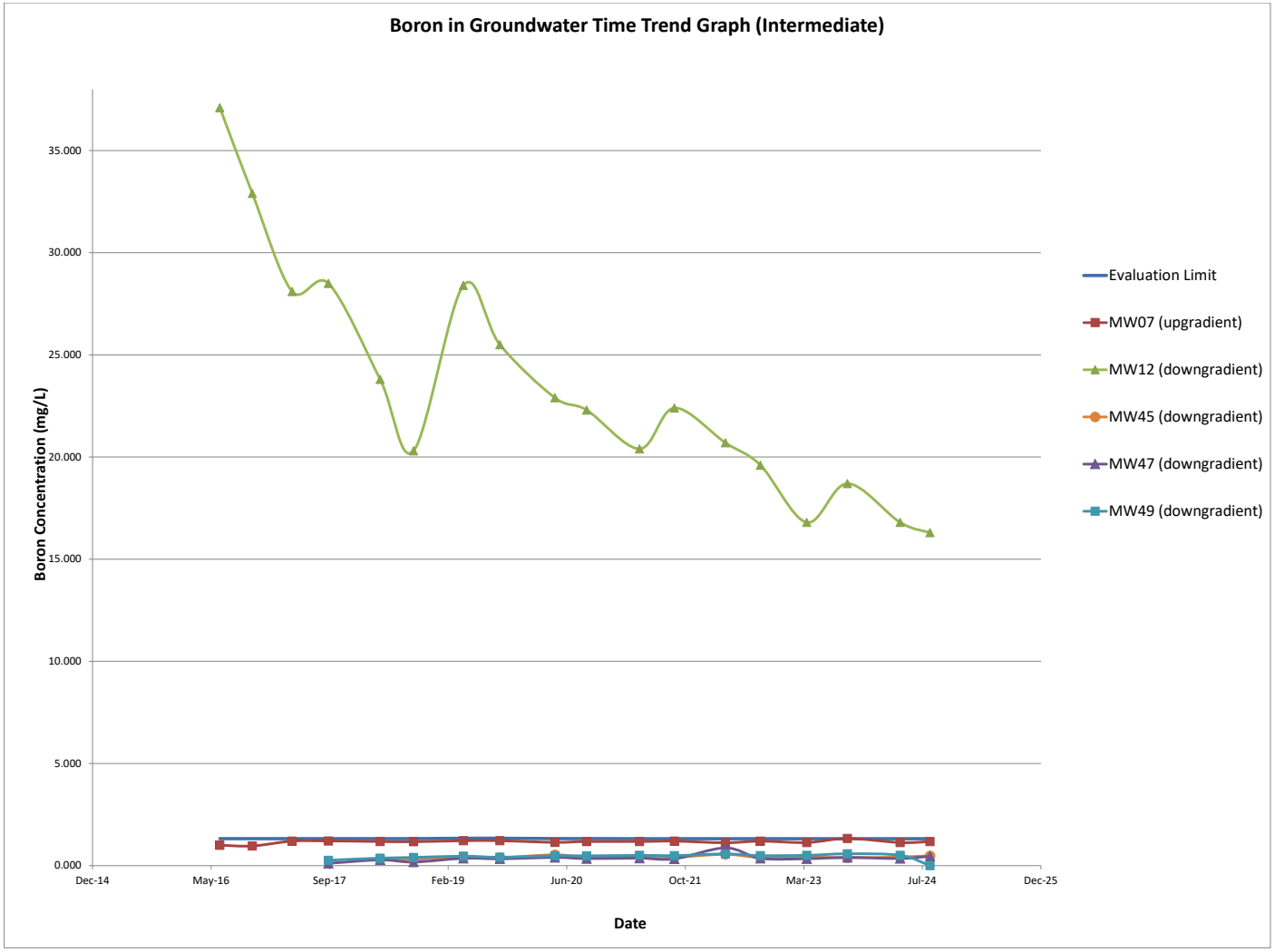
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Feb-93	837.7	1900	2000	NA	NA	NA
May-93	837.7	1800	2000	NA	NA	NA
Aug-93	837.7	2000	1900	NA	NA	NA
Nov-93	837.7	1700	1900	NA	NA	NA
Feb-94	837.7	1700	2200	NA	NA	NA
Aug-94	837.7	1800	1200	NA	NA	NA
Feb-95	837.7	1600	2100	NA	NA	NA
Aug-95	837.7	1100	2000	NA	NA	NA
Feb-96	837.7	1700	2200	NA	NA	NA
May-96	837.7	1400	1800	NA	NA	NA
Aug-96	837.7	1600	2000	NA	NA	NA
Feb-97	837.7	140	2000	NA	NA	NA
May-97	837.7	1900	2000	NA	NA	NA
Nov-97	837.7	1600	1900	NA	NA	NA
May-98	837.7	1300	1900	NA	NA	NA
Nov-98	837.7	1200	1900	NA	NA	NA
Feb-99	837.7	1700	1900	NA	NA	NA
Aug-99	837.7	1200	1400	NA	NA	NA
Feb-00	837.7	1700	2300	NA	NA	NA
Aug-00	837.7	1330	2200	NA	NA	NA
Feb-01	837.7	1300	1700	NA	NA	NA
Aug-01	837.7	990	2300	NA	NA	NA
May-02	837.7	1200	1900	NA	NA	NA
Aug-02	837.7	1600	2300	NA	NA	NA
May-03	837.7	1500	1800	NA	NA	NA
Aug-03	837.7	1200	1700	NA	NA	NA
May-04	837.7	1600	1900	NA	NA	NA
Aug-04	837.7	1300	2400	NA	NA	NA
Feb-05	837.7	1700	1900	NA	NA	NA
Aug-05	837.7	150	1900	NA	NA	NA
Mar-06	837.7	1230	2090	NA	NA	NA
Sep-06	837.7	1310	2010	NA	NA	NA
Mar-07	837.7	1630	2010	NA	NA	NA
Sep-07	837.7	1100	1980	NA	NA	NA
Mar-08	837.7	1180	1790	NA	NA	NA
Sep-08	837.7	1500	1800	NA	NA	NA
Mar-09	837.7	1580	1760	NA	NA	NA
Sep-09	837.7	1420	1720	NA	NA	NA
Mar-10	837.7	1210	1720	NA	NA	NA
Sep-10	837.7	1560	1810	NA	NA	NA
Mar-11	837.7	1330	1800	NA	NA	NA
Sep-11	837.7	879	1680	NA	NA	NA
Mar-12	837.7	1330	1750	NA	NA	NA
Nov-12	837.7	1070	1620	NA	NA	NA
Apr-13	837.7	1280	1670	NA	NA	NA
Sep-13	837.7	1290	1760	NA	NA	NA
Mar-14	837.7	1400	1700	NA	NA	NA
Sep-14	837.7	1160	1700	NA	NA	NA
Mar-15	837.7	888	1640	NA	NA	NA
Sep-15	837.7	1430	1730	NA	NA	NA
Jun-16	837.7	304	1820	NA	NA	NA
Oct-16	837.7	358	1820	NA	NA	NA
Apr-17	837.7	637	1790	NA	NA	NA
Sep-17	837.7	645	1900	NA	618	1220
Apr-18	837.7	703	1870	2100	1750	1860
Sep-18	837.7	509	1770	1950	1280	1820
Apr-19	834.21	690	2070	2060	1980	2200
Sep-19	834.21	516	1850	1960	1760	1170
Apr-20	814.32	613	1820	1930	1720	1830
Sep-20	814.32	565	1790	1810	990	1770
Apr-21	847.39	778	2310	2220	1970	1910
Sep-21	847.39	634	1850	1870	324	1830
Apr-22	847.39	872	1550	1480	973	1610
Sep-22	847.39	628	1880	1790	1480	1580
Mar-23	847.39	967	1900	1960	1380	1890
Sep-23	847.39	915	1830	1820	717	1870
Apr-24	847.39	1090	1950	1980	1830	1990
Aug-24	847.39	922	1840	2100	1050	1880



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

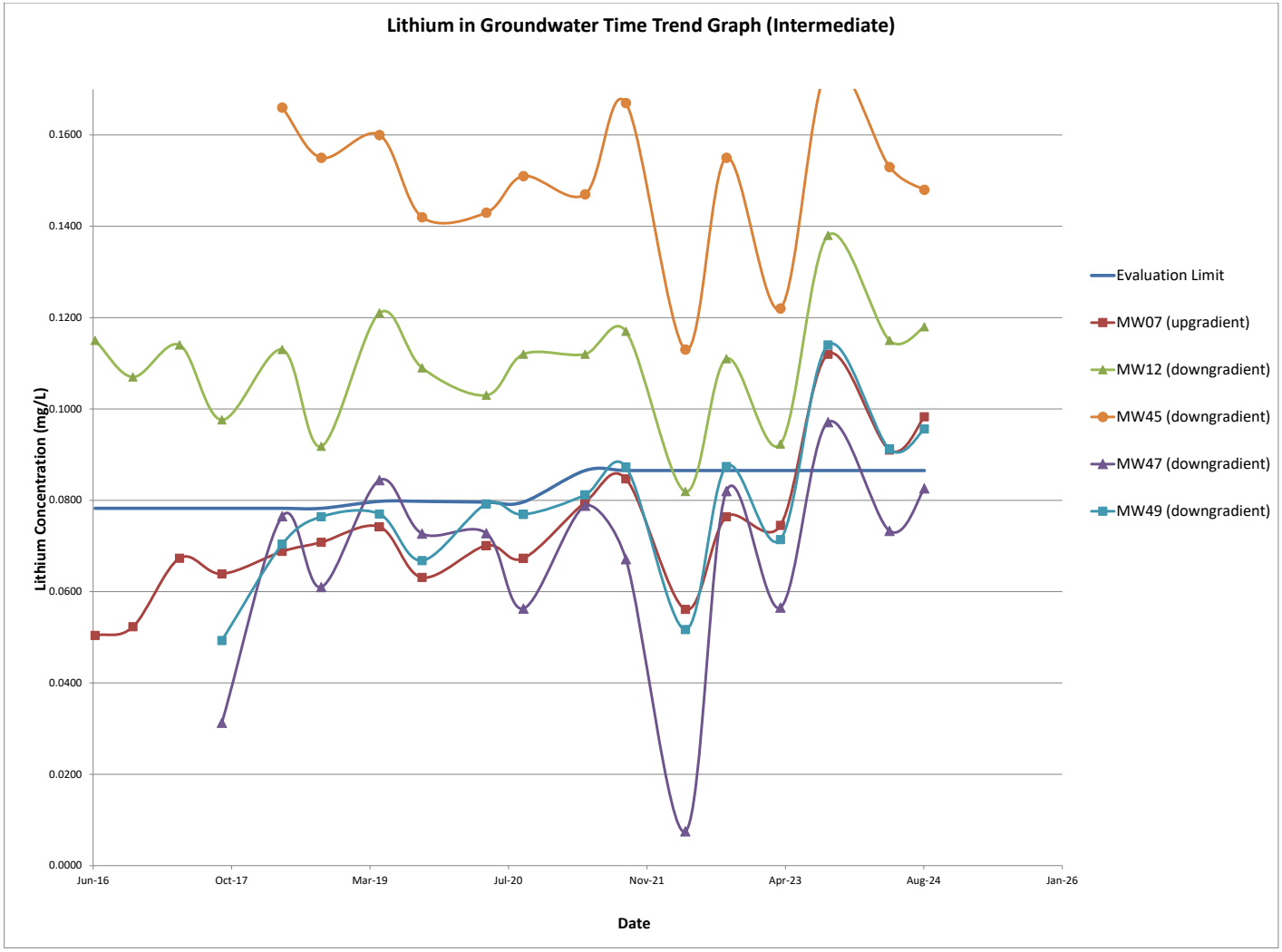
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	1.320	0.998	37.1	NA	NA	NA
Oct-16	1.320	0.963	32.9	NA	NA	NA
Apr-17	1.320	1.20	28.1	NA	NA	NA
Sep-17	1.320	1.210	28.5	NA	0.113	0.263
Apr-18	1.320	1.180	23.8	0.326	0.282	0.367
Sep-18	1.320	1.170	20.3	0.314	0.176	0.402
Apr-19	1.339	1.22	28.4	0.415	0.358	0.464
Sep-19	1.339	1.22	25.5	0.390	0.336	0.413
Apr-20	1.323	1.14	22.9	0.53	0.4	0.485
Sep-20	1.323	1.18	22.3	0.408	0.346	0.479
Apr-21	1.3177	1.18	20.4	0.454	0.367	0.505
Sep-21	1.3177	1.20	22.4	0.413	0.333	0.493
Apr-22	1.3177	1.12	20.7	0.555	0.870	0.573
Sep-22	1.3177	1.20	19.6	0.395	0.358	0.492
Mar-23	1.3177	1.13	16.8	0.423	0.339	0.506
Sep-23	1.3177	1.33	18.7	0.385	0.402	0.581
Apr-24	1.3177	1.13	16.8	0.424	0.35	0.506
Aug-24	1.3177	1.18	16.3	0.482	0.46	0.568

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.

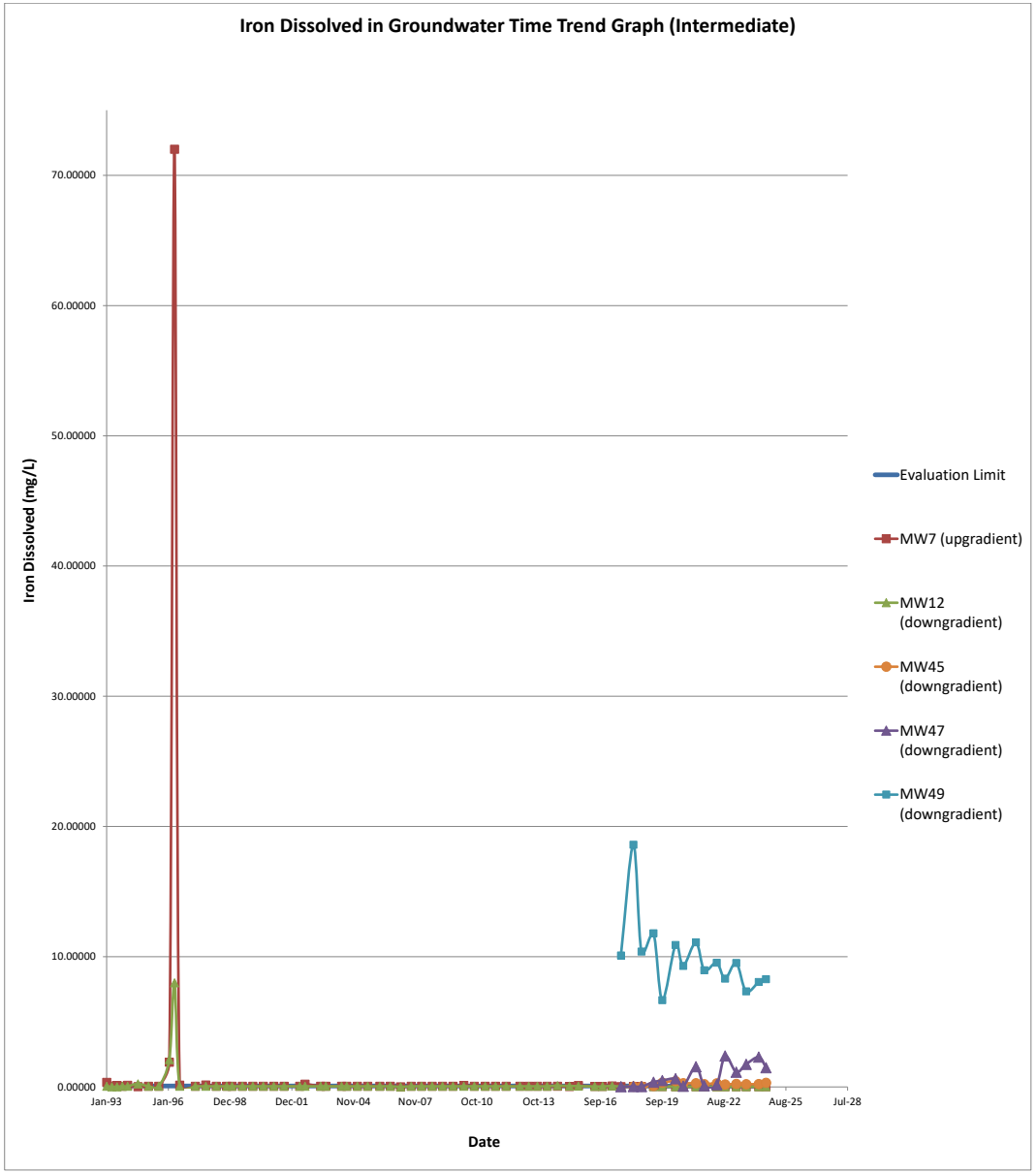


Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.0782	0.0504	0.1150	NA	NA	NA
Oct-16	0.0782	0.0523	0.1070	NA	NA	NA
Apr-17	0.0782	0.0673	0.1140	NA	NA	NA
Sep-17	0.0782	0.0639	0.0976	NA	0.0313	0.0493
Apr-18	0.0782	0.0688	0.1130	0.1660	0.0765	0.0704
Sep-18	0.0782	0.0708	0.0918	0.1550	0.0610	0.0764
Apr-19	0.0798	0.0742	0.1210	0.1600	0.0844	0.0770
Sep-19	0.0798	0.0631	0.1090	0.1420	0.0727	0.0668
Apr-20	0.0796	0.0701	0.1030	0.1430	0.0728	0.0792
Sep-20	0.0796	0.0673	0.1120	0.1510	0.0563	0.0769
Apr-21	0.08652	0.0796	0.1120	0.1470	0.0788	0.0812
Sep-21	0.08652	0.0847	0.1170	0.1670	0.0671	0.0873
Apr-22	0.08652	0.0561	0.0819	0.1130	0.0075	0.0517
Sep-22	0.08652	0.0764	0.1110	0.1550	0.0820	0.0874
Mar-23	0.08652	0.0745	0.0923	0.122	0.0565	0.0714
Sep-23	0.08652	0.112	0.138	0.175	0.0971	0.114
Apr-24	0.08652	0.091	0.115	0.153	0.0733	0.0912
Aug-24	0.08652	0.0983	0.118	0.148	0.0826	0.0956

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



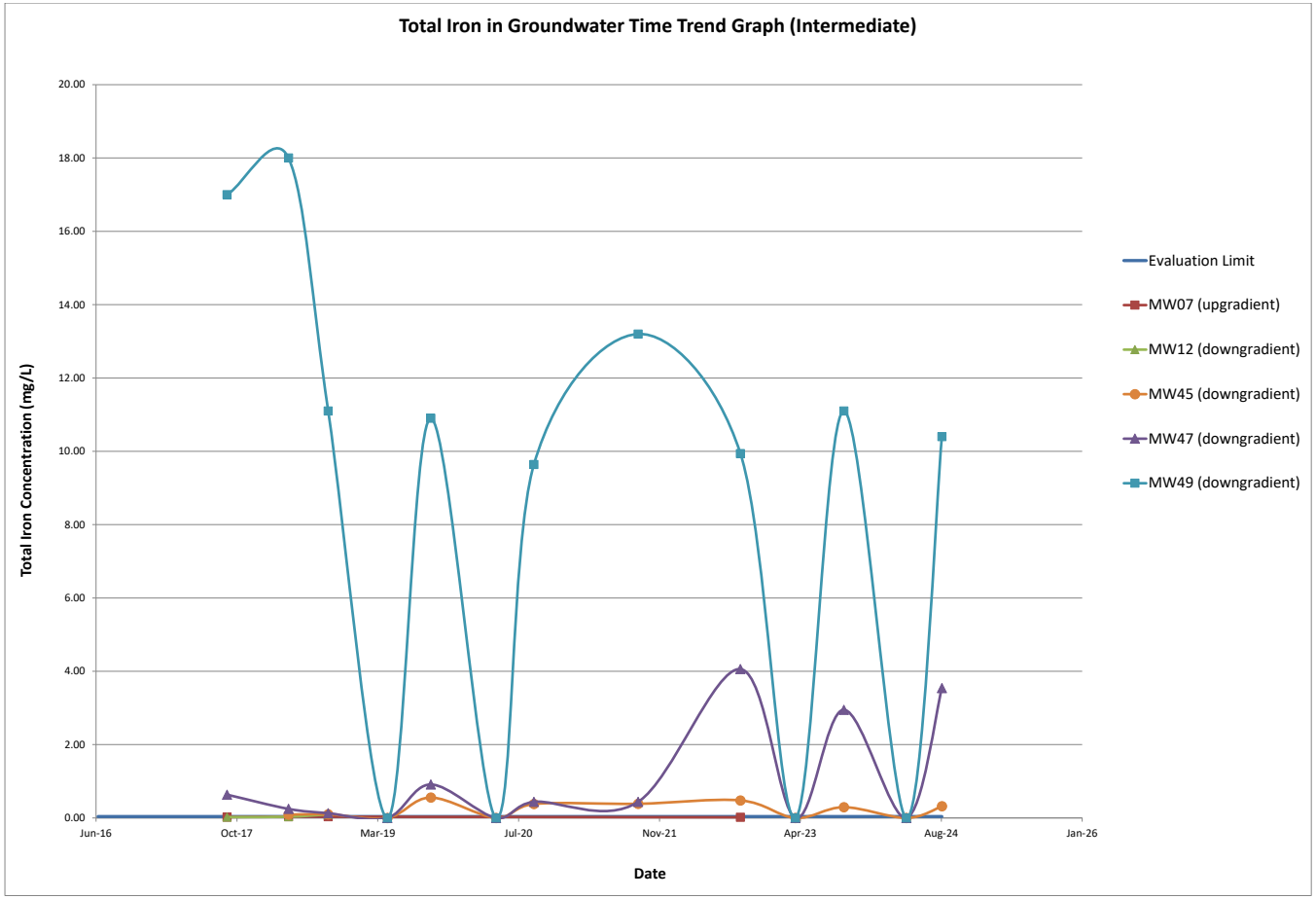
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Feb-93	0.07283	0.355	0.05	NA	NA	NA
May-93	0.07283	0.07	0.01	NA	NA	NA
Aug-93	0.07283	0.105	0.01	NA	NA	NA
Nov-93	0.07283	0.05	0.05	NA	NA	NA
Feb-94	0.07283	0.13	0.05	NA	NA	NA
Aug-94	0.07283	0.015	0.24	NA	NA	NA
Feb-95	0.07283	0.05	0.05	NA	NA	NA
Aug-95	0.07283	0.05	0.05	NA	NA	NA
Feb-96	0.07283	1.9	2.1	NA	NA	NA
May-96	0.07283	72	8	NA	NA	NA
Aug-96	0.07283	0.14	0.05	NA	NA	NA
May-97	0.07283	0.05	0.05	NA	NA	NA
Nov-97	0.07283	0.15	0.05	NA	NA	NA
May-98	0.07283	0.05	0.05	NA	NA	NA
Nov-98	0.07283	0.05	0.05	NA	NA	NA
Feb-99	0.07283	0.05	0.05	NA	NA	NA
Aug-99	0.07283	0.05	0.05	NA	NA	NA
Feb-00	0.07283	0.05	0.05	NA	NA	NA
Aug-00	0.07283	0.05	0.05	NA	NA	NA
Feb-01	0.07283	0.05	0.05	NA	NA	NA
Aug-01	0.07283	0.05	0.05	NA	NA	NA
May-02	0.07283	0.05	0.05	NA	NA	NA
Aug-02	0.07283	0.21	0.05	NA	NA	NA
May-03	0.07283	0.05	0.05	NA	NA	NA
Aug-03	0.07283	0.05	0.05	NA	NA	NA
May-04	0.07283	0.05	0.05	NA	NA	NA
Aug-04	0.07283	0.05	0.05	NA	NA	NA
Feb-05	0.07283	0.05	0.05	NA	NA	NA
Aug-05	0.07283	0.05	0.05	NA	NA	NA
Mar-06	0.07283	0.05	0.05	NA	NA	NA
Sep-06	0.07283	0.05	0.05	NA	NA	NA
Mar-07	0.07283	0.008	0.008	NA	NA	NA
Sep-07	0.07283	0.05	0.05	NA	NA	NA
Mar-08	0.07283	0.05	0.05	NA	NA	NA
Sep-08	0.07283	0.05	0.05	NA	NA	NA
Mar-09	0.07283	0.05	0.05	NA	NA	NA
Sep-09	0.07283	0.05	0.05	NA	NA	NA
Mar-10	0.07283	0.112	0.05	NA	NA	NA
Sep-10	0.07283	0.05	0.05	NA	NA	NA
Mar-11	0.07283	0.05	0.05	NA	NA	NA
Sep-11	0.07283	0.05	0.05	NA	NA	NA
Mar-12	0.07283	0.05	0.05	NA	NA	NA
Nov-12	0.07283	0.05	0.05	NA	NA	NA
Apr-13	0.07283	0.05	0.05	NA	NA	NA
Sep-13	0.07283	0.05	0.05	NA	NA	NA
Mar-14	0.07283	0.05	0.05	NA	NA	NA
Sep-14	0.07283	0.05	0.1	NA	NA	NA
Mar-15	0.07283	0.033	0.066	NA	NA	NA
Sep-15	0.07283	0.109	0.066	NA	NA	NA
Jun-16	0.07283	0.0366	0.0366	NA	NA	NA
Oct-16	0.07283	0.0366	0.0366	NA	NA	NA
Apr-17	0.07283	0.0755	0.0755	NA	NA	NA
Sep-17	0.07283	0.0239	0.0239	NA	0.0239	10.1
Apr-18	0.07283	0.033	0.033	0.033	0.033	18.6
Sep-18	0.07283	0.033	0.033	0.033	0.033	10.4
Apr-19	0.06731	0.033	0.033	0.085	0.368	11.8
Sep-19	0.06731	0.033	0.033	0.336	0.497	6.67
Apr-20	0.06360	0.025	0.025	0.45	0.631	10.9
Sep-20	0.06362	0.025	0.025	0.287	0.0577	9.29
Apr-21	0.06136	0.018	0.018	0.284	1.55	11.1
Sep-21	0.06136	0.018	0.018	0.218	0.0961	8.96
Apr-22	0.06136	0.018	0.018	0.276	0.173	9.54
Sep-22	0.06136	0.018	0.018	0.191	2.38	8.32
Mar-23	0.06136	0.018	0.018	0.240	1.14	9.52
Sep-23	0.06136	0.018	0.018	0.211	1.74	7.34
Apr-24	0.06136	0.018	0.018	0.227	2.29	8.06
Aug-24	0.06136	0.018	0.018	0.318	1.48	8.27



Note:	Note:
Result Exceeds Evaluation Limit	NDs reported at half MDL.

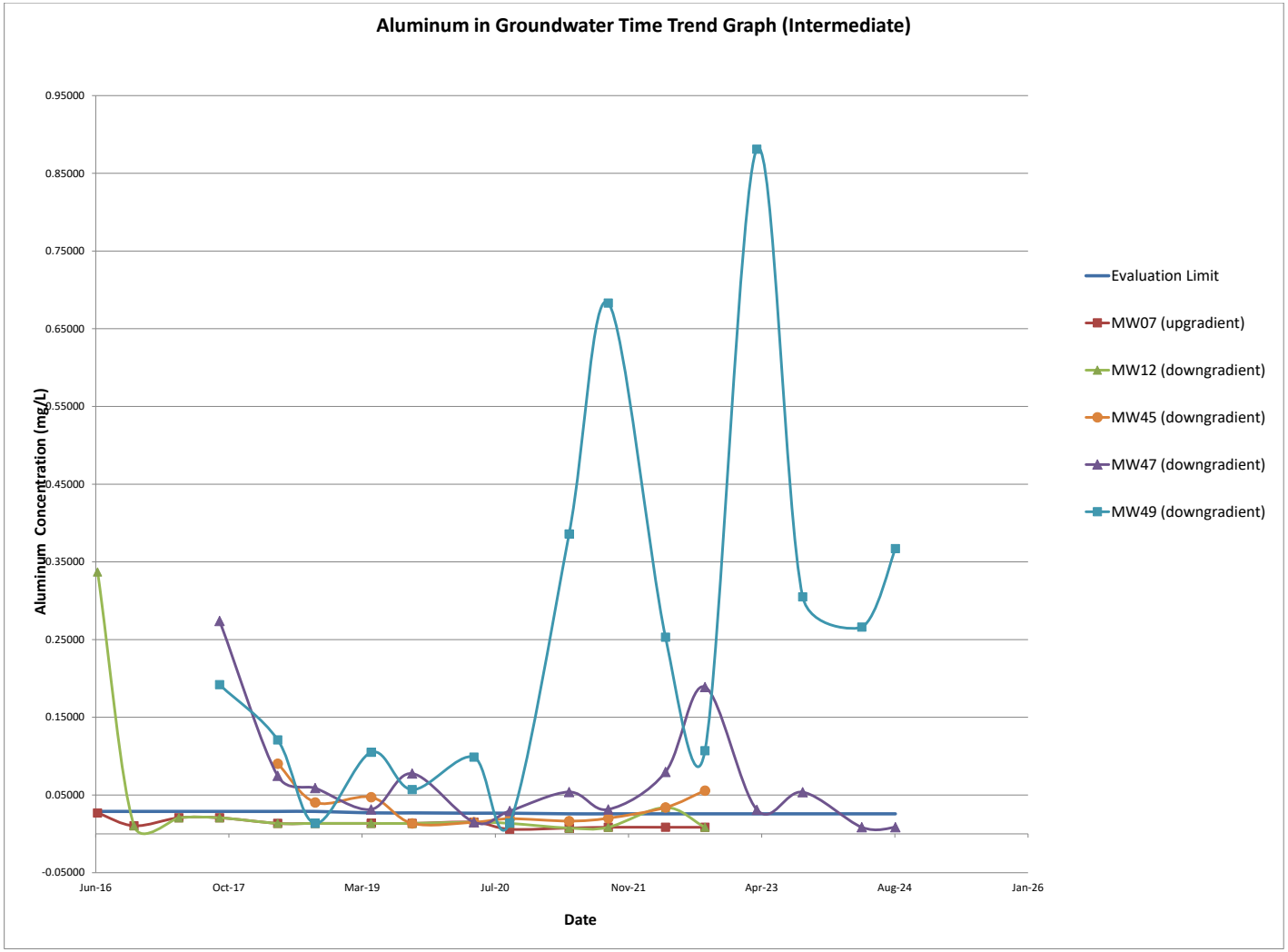
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.0385462	NA	NA	NA	NA	NA
Oct-16	0.0385462	NA	NA	NA	NA	NA
Apr-17	0.0385462	NA	NA	NA	NA	NA
Sep-17	0.0385462	0.0239	0.0239	NA	0.635	17.0
Apr-18	0.0385462	0.0330	0.0330	0.091	0.247	18.0
Sep-18	0.0385462	0.0330	0.0990	0.099	0.129	11.1
Apr-19	0.0385462	NA	NA	NA	NA	NA
Sep-19	0.0385462	NA	NA	0.556	0.913	10.9
Apr-20	0.0385462	NA	NA	NA	NA	NA
Sep-20	0.0385462	NA	NA	0.381	0.440	9.6
Sep-21	0.0385462	NA	NA	0.386	0.439	13.2
Sep-22	0.0385462	0.0180	NA	0.479	4.06	9.94
Mar-23	0.0385462	NA	NA	NA	NA	NA
Sep-23	0.0385462	NA	NA	0.294	2.95	11.1
Apr-24	0.0385462	NA	NA	NA	NA	NA
Aug-24	0.0385462	NA	NA	0.3190	3.5400	10.4000

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



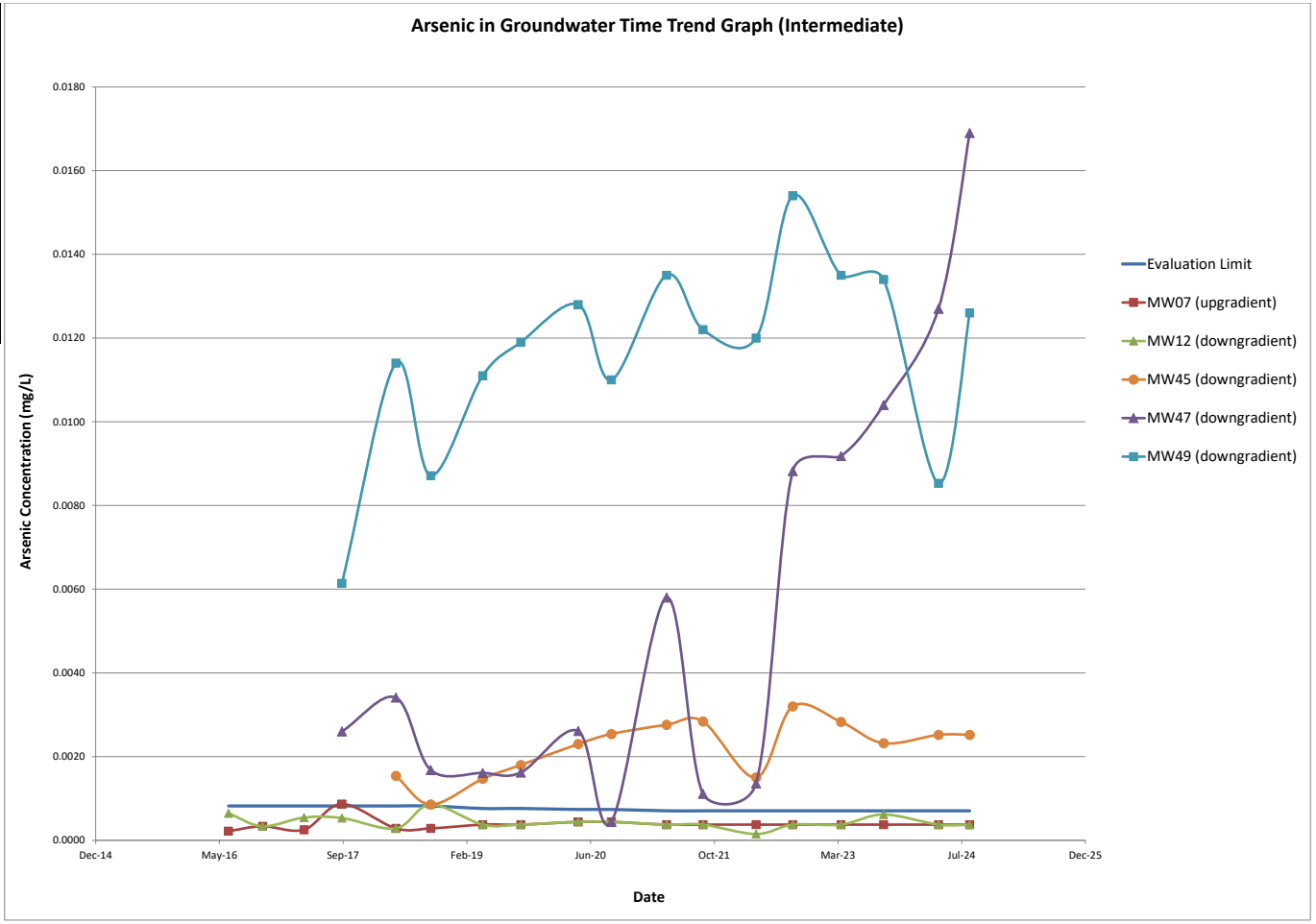
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.02890	0.0270	0.337	NA	NA	NA
Oct-16	0.02890	0.0104	0.0104	NA	NA	NA
Apr-17	0.02890	0.0207	0.0207	NA	NA	NA
Sep-17	0.02890	0.0207	0.0207	NA	0.274	0.192
Apr-18	0.02890	0.0135	0.0135	0.0904	0.0747	0.121
Sep-18	0.02890	0.0135	0.0135	0.0405	0.0589	0.0135
Apr-19	0.02699	0.0135	0.0135	0.0472	0.0315	0.105
Sep-19	0.02699	0.0135	0.0135	0.0135	0.0776	0.0569
Apr-20	0.02660	0.0150	0.0150	0.0150	0.0150	0.0987
Sep-20	0.02662	0.0060	0.0135	0.0195	0.0294	0.0141
Apr-21	0.02579	0.0075	0.0075	0.0165	0.0539	0.386
Sep-21	0.02579	0.0085	0.0085	0.0202	0.0315	0.683
Apr-22	0.02579	0.0085	0.0340	0.034	0.0796	0.253
Sep-22	0.02579	0.0085	0.0085	0.0557	0.189	0.107
Mar-23	0.02579	0.0085	0.0085	0.0085	0.031	0.881
Sep-23	0.02579	0.0085	0.0085	0.0188	0.0537	0.305
Apr-24	0.02579	0.0085	0.0085	0.0085	0.0085	0.266
Aug-24	0.02579	0.0085	0.0085	0.0085	0.0085	0.367

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



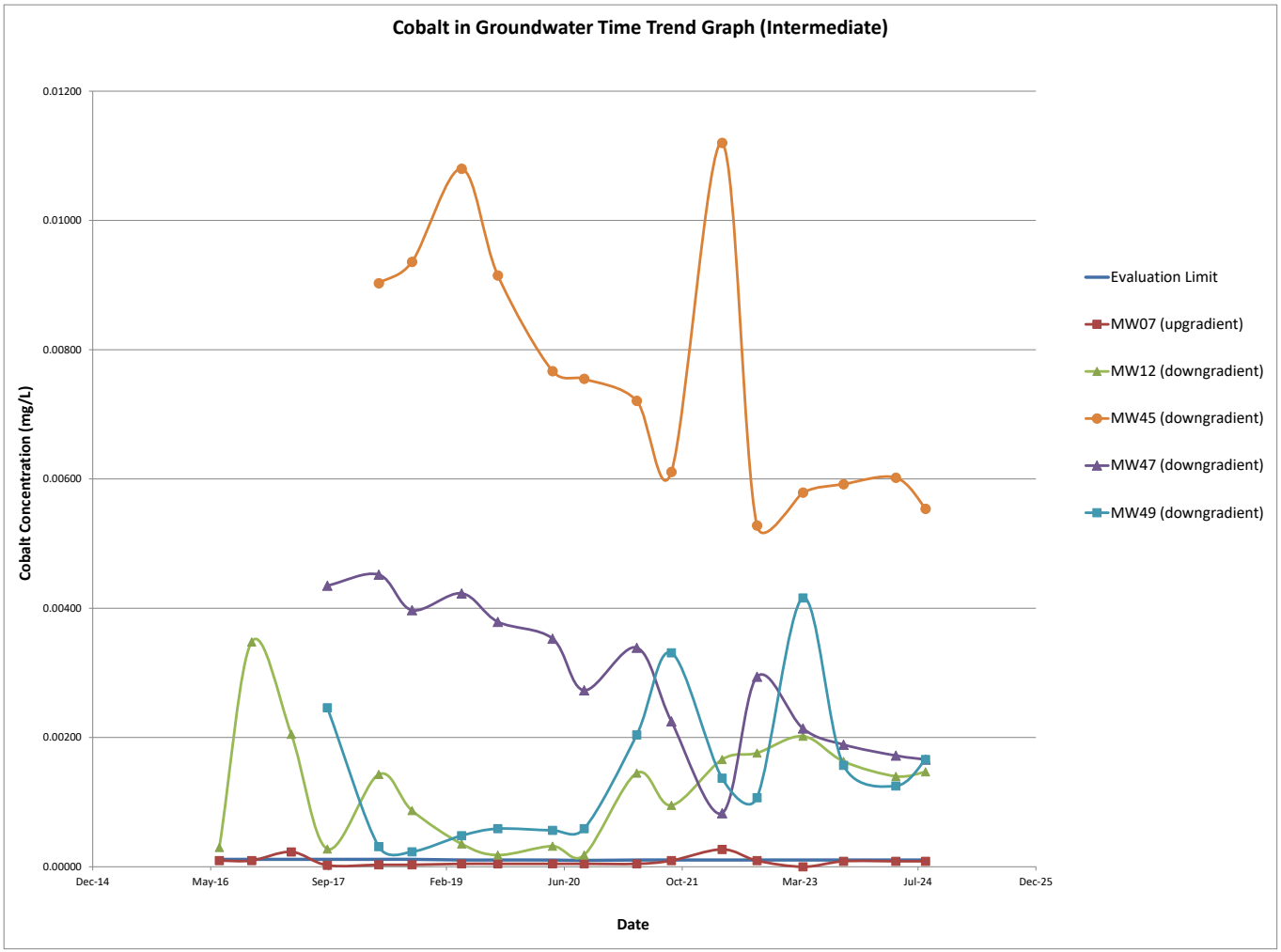
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.0008206	0.000220	0.000644	NA	NA	NA
Oct-16	0.0008206	0.000336	0.000336	NA	NA	NA
Apr-17	0.0008206	0.000252	0.000543	NA	NA	NA
Sep-17	0.0008206	0.000867	0.000533	NA	0.002600	0.006140
Apr-18	0.0008206	0.000285	0.000285	0.001540	0.003410	0.011400
Sep-18	0.0008206	0.000285	0.000855	0.000855	0.001680	0.008710
Apr-19	0.0007610	0.000375	0.000375	0.00147	0.00161	0.0111
Sep-19	0.0007610	0.000375	0.000375	0.00180	0.00162	0.0119
Apr-20	0.0007370	0.000440	0.000440	0.00230	0.00261	0.0128
Sep-20	0.0007373	0.000440	0.000440	0.00254	0.00044	0.0110
Apr-21	0.0007049	0.000375	0.000375	0.00276	0.00580	0.0135
Sep-21	0.0007049	0.000375	0.000375	0.00284	0.00111	0.0122
Apr-22	0.0007049	0.000375	0.000150	0.00150	0.00136	0.0120
Sep-22	0.0007049	0.000375	0.000375	0.00320	0.00882	0.0154
Mar-23	0.0007049	0.000375	0.000375	0.00283	0.00918	0.0135
Sep-23	0.0007049	0.000375	0.000617	0.00232	0.0104	0.0134
Apr-24	0.0007049	0.000375	0.000375	0.002520	0.0127	0.00853
Aug-24	0.0007049	0.000375	0.000375	0.002520	0.0169	0.0126

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



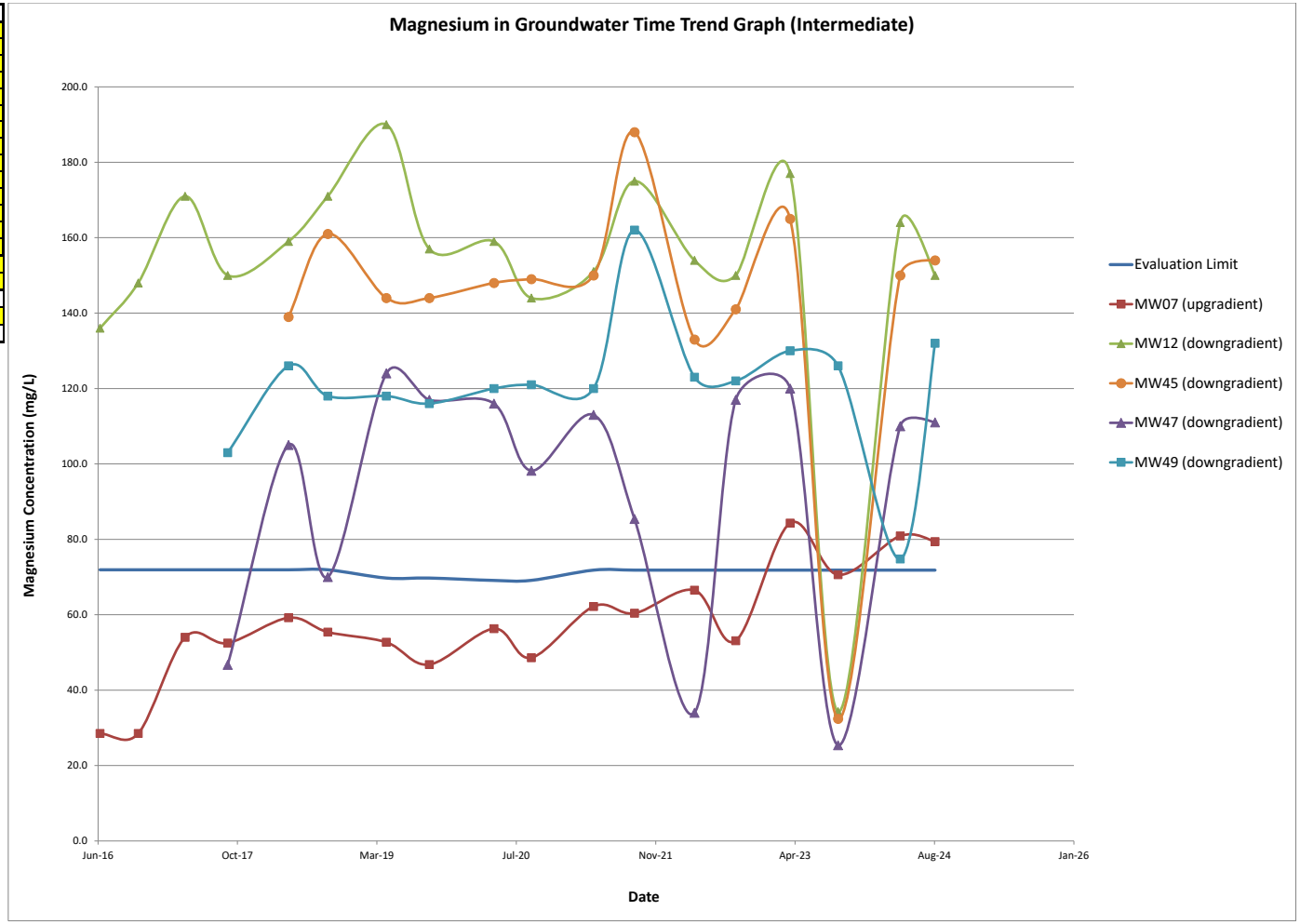
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.0001145	0.000095	0.000300	NA	NA	NA
Oct-16	0.0001145	0.000096	0.003480	NA	NA	NA
Apr-17	0.0001145	0.000230	0.002050	NA	NA	NA
Sep-17	0.0001145	0.000023	0.000275	NA	0.004350	0.002460
Apr-18	0.0001145	0.000031	0.001430	0.009030	0.004520	0.000312
Sep-18	0.0001145	0.000031	0.000870	0.009360	0.003970	0.000232
Apr-19	0.0001049	0.000046	0.000354	0.010800	0.004230	0.000481
Sep-19	0.0001049	0.000046	0.000181	0.009150	0.003790	0.000589
Apr-20	0.0001040	0.000046	0.000319	0.007670	0.003530	0.000564
Sep-20	0.0000984	0.000046	0.000181	0.007550	0.002730	0.000589
Apr-21	0.0001047	0.000046	0.001450	0.007210	0.003390	0.002040
Sep-21	0.0001047	0.000095	0.000950	0.006110	0.002250	0.003310
Apr-22	0.0001047	0.000269	0.001660	0.011200	0.000829	0.001370
Sep-22	0.0001047	0.000095	0.001760	0.005280	0.002940	0.001070
Mar-23	0.0001047	0.000202	0.00202	0.00579	0.00214	0.00416
Sep-23	0.0001047	0.000085	0.00163	0.00592	0.00189	0.00157
Apr-24	0.0001047	0.000085	0.0014	0.00602	0.00172	0.00125
Aug-24	0.0001047	0.000085	0.00147	0.00554	0.00166	0.00166

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



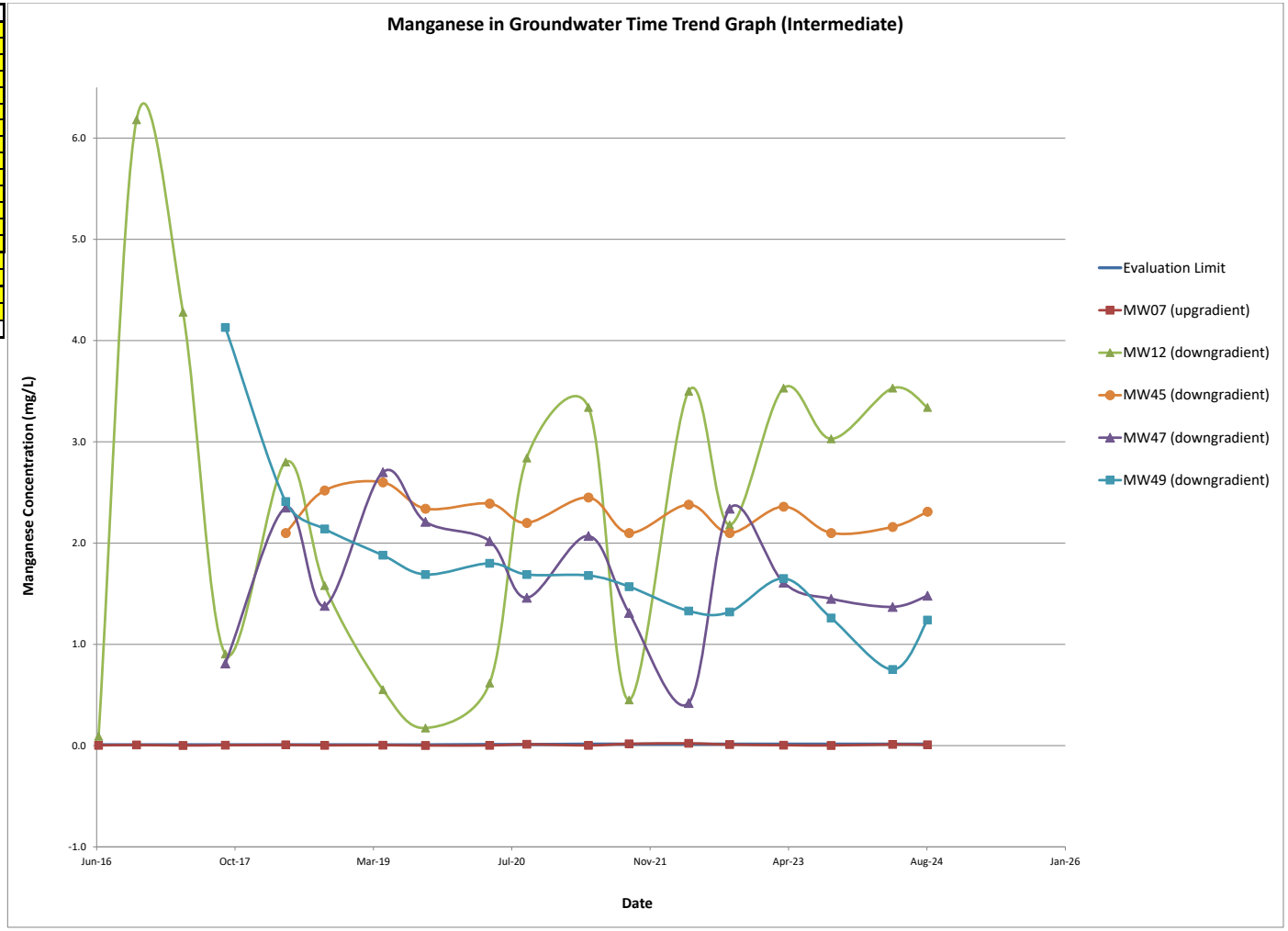
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	71.92	28.5	136	NA	NA	NA
Oct-16	71.92	28.5	148	NA	NA	NA
Apr-17	71.92	54.0	171	NA	NA	NA
Sep-17	71.92	52.5	150	NA	46.7	103.0
Apr-18	71.92	59.2	159	139.0	105.0	126.0
Sep-18	71.92	55.4	171	161.0	70.0	118.0
Apr-19	69.73	52.7	190	144	124	118
Sep-19	69.73	46.8	157	144	117	116
Apr-20	69.10	56.3	159	148	116	120
Sep-20	69.12	48.6	144	149	98	121
Apr-21	71.83	62.2	151	150	113	120
Sep-21	71.83	60.4	175	188	85	162
Apr-22	71.83	66.5	154	133	34.0	123
Sep-22	71.83	53.1	150	141	117.0	122
Mar-23	71.83	84.3	177	165	120	130
Sep-23	71.83	70.6	34.3	32.4	25.4	126
Apr-24	71.83	80.9	164	150	110	74.8
Aug-24	71.83	79.4	150	154	111	132

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



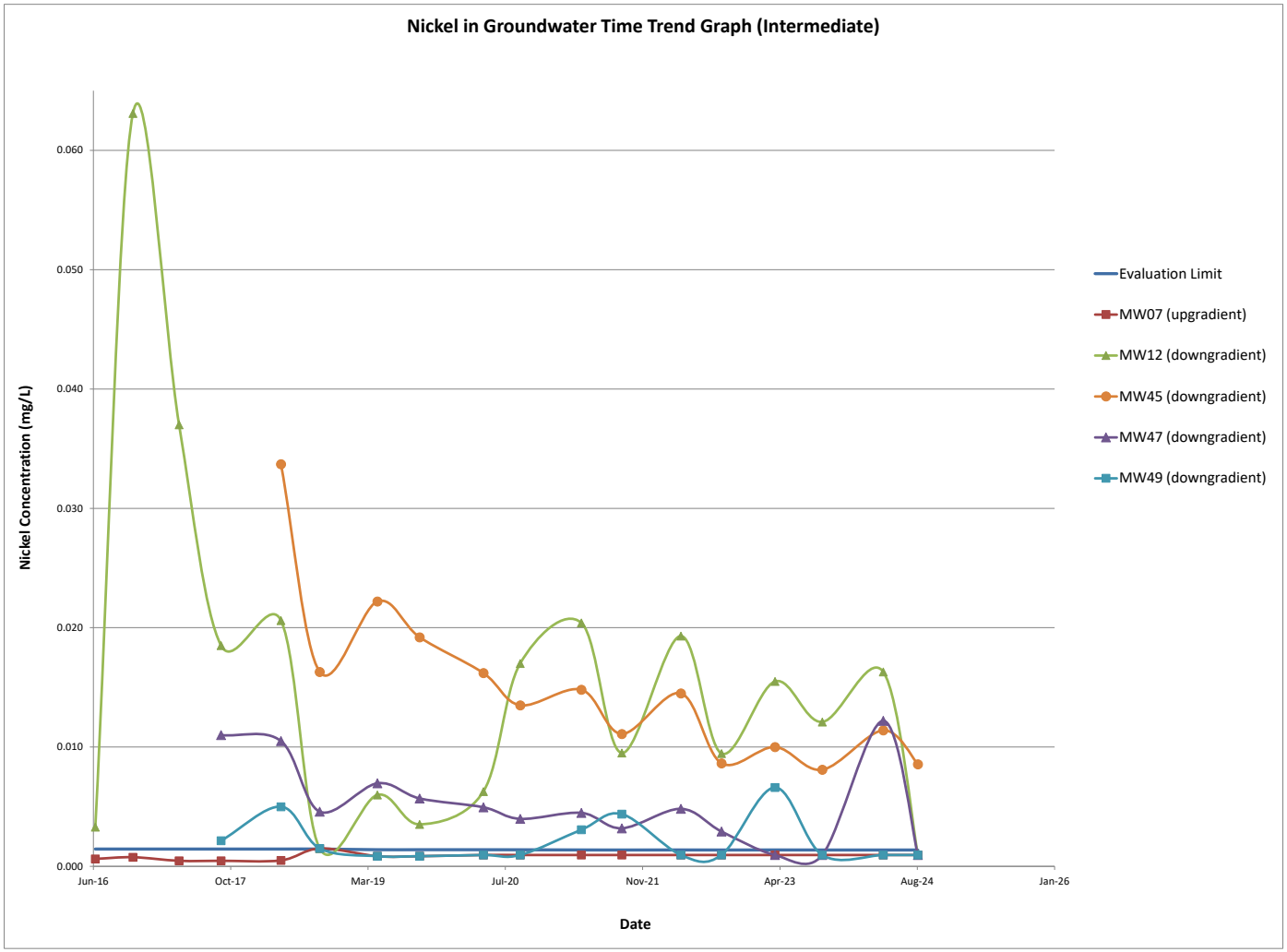
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.0086580	0.00265	0.0921	NA	NA	NA
Oct-16	0.0086580	0.00636	6.18	NA	NA	NA
Apr-17	0.0086580	0.00122	4.28	NA	NA	NA
Sep-17	0.0086580	0.00426	0.905	NA	0.811	4.130
Apr-18	0.0086580	0.00772	2.800	2.100	2.350	2.410
Sep-18	0.0086580	0.00309	1.580	2.520	1.380	2.140
Apr-19	0.0081907	0.00437	0.553	2.60	2.70	1.88
Sep-19	0.0081907	0.00125	0.174	2.34	2.21	1.69
Apr-20	0.0113200	0.00200	0.618	2.39	2.02	1.80
Sep-20	0.0113178	0.01270	2.840	2.20	1.46	1.69
Apr-21	0.0150154	0.00220	3.340	2.45	2.07	1.68
Sep-21	0.0150154	0.01740	0.451	2.10	1.31	1.57
Apr-22	0.0150154	0.02200	3.500	2.38	0.421	1.33
Sep-22	0.0150154	0.01050	2.180	2.10	2.34	1.32
Mar-23	0.0150154	0.00446	3.53	2.36	1.61	1.65
Sep-23	0.0150154	0.0018	3.03	2.10	1.45	1.26
Apr-24	0.0150154	0.0117	3.53	2.16	1.37	0.751
Aug-24	0.0150154	0.00747	3.34	2.31	1.48	1.24

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



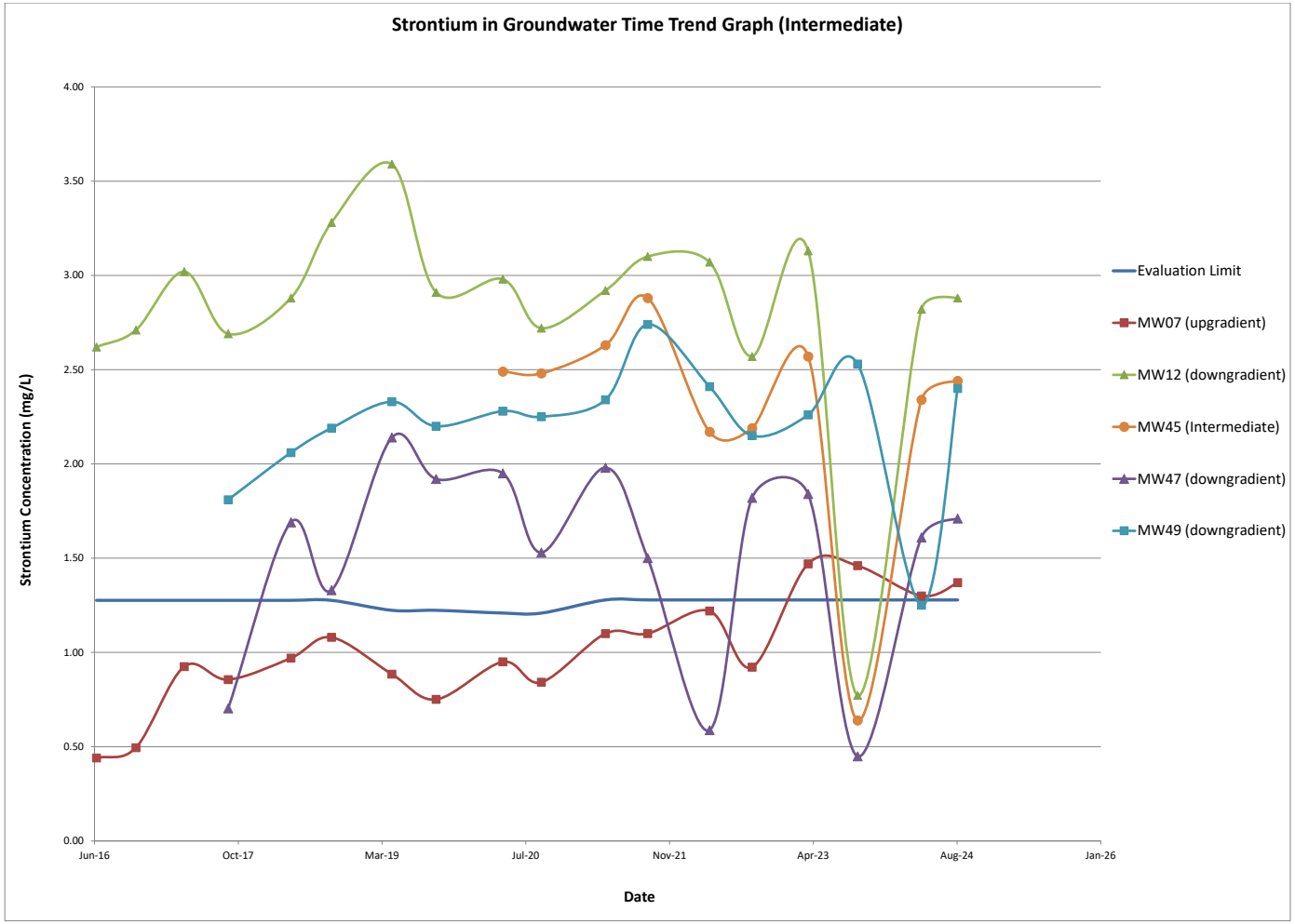
Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	0.00145	0.00063	0.00329	NA	NA	NA
Oct-16	0.00145	0.00077	0.0631	NA	NA	NA
Apr-17	0.00145	0.00047	0.0370	NA	NA	NA
Sep-17	0.00145	0.00047	0.0185	NA	0.0110	0.00215
Apr-18	0.00145	0.00050	0.0206	0.0337	0.0105	0.00500
Sep-18	0.00145	0.00150	0.0015	0.0163	0.0046	0.00150
Apr-19	0.00139	0.00085	0.00599	0.0222	0.00696	0.00085
Sep-19	0.00139	0.00085	0.00352	0.0192	0.00569	0.00085
Apr-20	0.00139	0.00095	0.00627	0.0162	0.00495	0.00095
Sep-20	0.00139	0.00095	0.01700	0.0135	0.00398	0.00095
Apr-21	0.00137	0.00095	0.02040	0.0148	0.00448	0.00307
Sep-21	0.00137	0.00095	0.00950	0.0111	0.00319	0.00438
Apr-22	0.00137	0.00095	0.01930	0.0145	0.00482	0.00095
Sep-22	0.00137	0.00095	0.00946	0.00864	0.00292	0.00095
Mar-23	0.00137	0.00095	0.0155	0.0100	0.00095	0.00661
Sep-23	0.00137	0.00095	0.0121	0.0081	0.00095	0.00095
Apr-24	0.00137	0.00095	0.0163	0.0114	0.01220	0.00095
Aug-24	0.00137	0.00095	0.00095	0.0086	0.00095	0.00095

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



Date	Eval Limit	MW07	MW12	MW45	MW47	MW49
Jun-16	1.2763	0.440	2.62	NA	NA	NA
Oct-16	1.2763	0.495	2.71	NA	NA	NA
Apr-17	1.2763	0.925	3.02	NA	NA	NA
Sep-17	1.2763	0.856	2.69	NA	0.703	1.810
Apr-18	1.2763	0.970	2.88	NA	1.690	2.060
Sep-18	1.2763	1.080	3.28	NA	1.330	2.190
Apr-19	1.2235	0.885	3.59	2.53	2.14	2.33
Sep-19	1.2235	0.751	2.91	2.37	1.92	2.20
Apr-20	1.2090	0.950	2.98	2.49	1.95	2.28
Sep-20	1.2087	0.842	2.72	2.48	1.53	2.25
Apr-21	1.2785	1.100	2.92	2.63	1.98	2.34
Sep-21	1.2785	1.100	3.10	2.88	1.50	2.74
Apr-22	1.2785	1.220	3.07	2.17	0.588	2.41
Sep-22	1.2785	0.922	2.57	2.19	1.82	2.15
Mar-23	1.2785	1.47	3.13	2.57	1.84	2.26
Sep-23	1.2785	1.46	0.772	0.639	0.449	2.53
Apr-24	1.2785	1.3	2.82	2.34	1.61	1.25
Aug-24	1.2785	1.37	2.88	2.44	1.71	2.4

Note:
Result Exceeds Evaluation Limit
Note:
NDs reported at half MDL.



Appendix A – Contaminant Plume Concentration Maps

S:\PROJECT FILES\4000-PA009319 WDC OPS 2023\2023 AWQR\CAD\DRAWINGS\LAYOUT SHEETS\PA009319 - APPENDIX A-1 - WELL LOCATION MAP.DWG,1/11/2024 4:34 PM

COMMERCIAL ROAD

OSAGE STREET

US HIGHWAY 34

NORTH

MIDWEST AGRICULTURE WAREHOUSE COMPANY PROPERTY

MIDDLE PLATTE RIVER

LEGEND

PROPERTY LINE		GB123	RFI GEOPROBE BORING (MAY 2007)
FENCE	X X	WeE-B5	1998 GEOPROBE BORING
GAS MAIN	G	MW19	GROUNDWATER MONITORING WELL
PROPANE PIPING	P	LPZ25	LEACHATE PIEZOMETER
SANITARY SEWER	SA	SW102	SURFACE WATER OR SEDIMENT SAMPLE LOCATION
STORM SEWER	ST	B2	BACKGROUND SAMPLE LOCATION
WATER MAIN	W		
UTILITY/LIGHT POLE	ø		
LANDFILL LIMITS			
RADIOLOGICAL AREA			
LEACHATE COLLECTION TOE DRAIN			

REFERENCE:

1. BT² INC. RCRA FACILITY INVESTIGATION WORKPLAN ADDENDUM, FOR WELLMAN DYNAMICS CORP. DATED MARCH 2009.

1" = 160'

0 160' 320' 480'

REVISION	DATE	DESCRIPTION
1	10/15/2021	REVISED PER USEPA COMMENTS

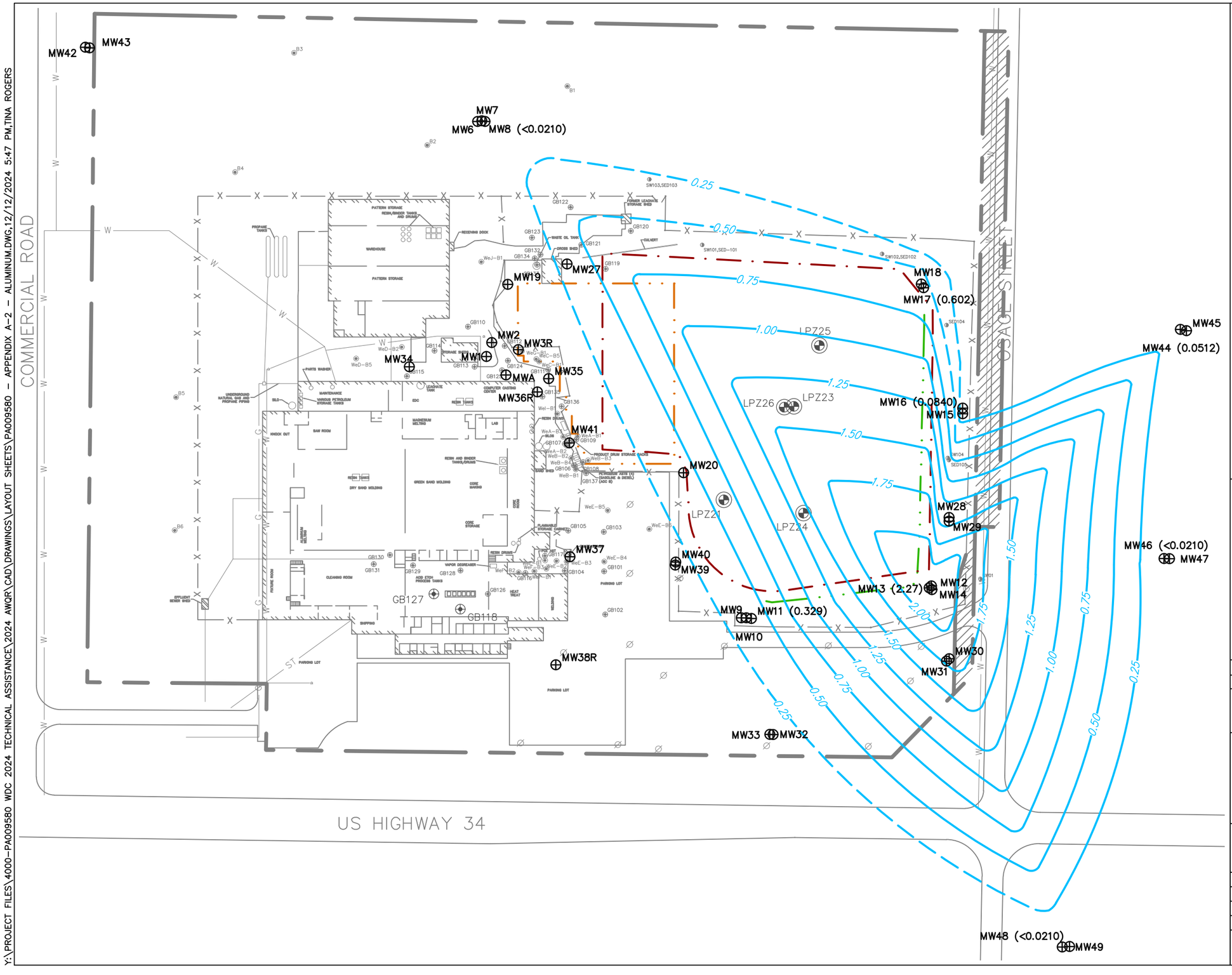
APPENDIX A-1
WELL LOCATION MAP
RCRA FACILITY INVESTIGATION REPORT
WDC ACQUISITION LLC
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC
1746 COMMERCE ROAD
CRESTON, IA 50801

APPROVED	RFD 1/11/2024
CHECKED	SRP 1/11/2024
DRAWN	EWB 1/11/2024
PROJECT No.	4000-PA009319

DRAWING NUMBER
PA008044-02
APPENDIX A-1

Penn E&R
Environmental & Remediation, Inc.
111 RYAN COURT, PITTSBURGH, PA 15205;
412-722-1222



LEGEND

- LANDFILL LIMITS
- RADIOLOGICAL AREA
- LEACHATE COLLECTION TOE DRAIN
- 0.00 ALUMINUM ISOCONCENTRATION LINE (MG/L) (DASHED WHERE INFERRED)

NOTES:
1. SEE SHEET A–1 FOR BASE MAP LEGEND ITEMS.
2. BASED ON ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES COLLECTED BY O.A. TECHNICAL SERVICES.
3. GROUNDWATER CONSTITUENT CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER, (MG/L.)
4. CONCENTRATIONS REPORTED AS "LESS THAN" OR "<" ASSUMED TO BE ONE–HALF OF THE REPORTING LIMIT FOR GRAPHICAL PURPOSES.

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=160'

0 160' 320' 480'

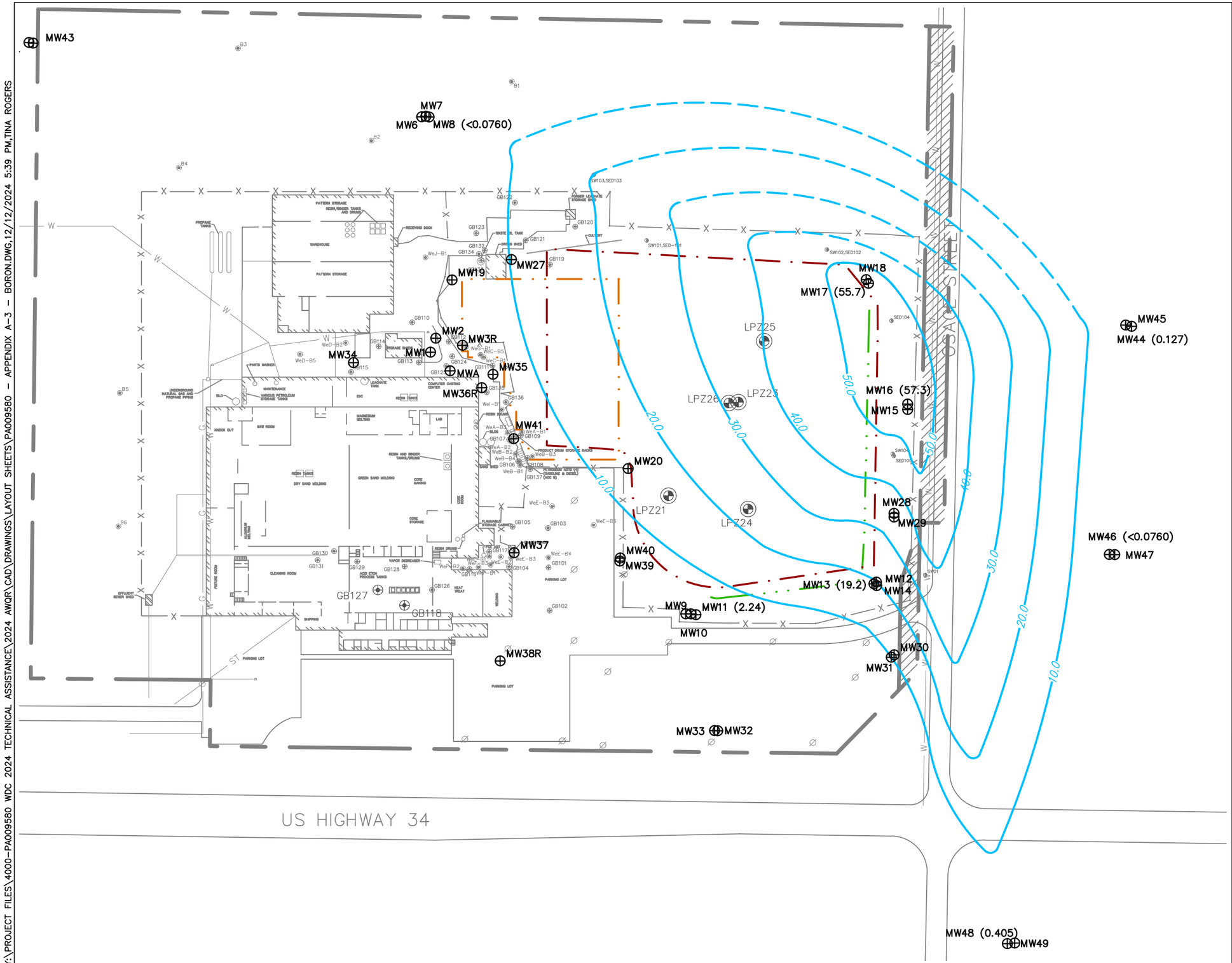
APPENDIX A–2
GROUNDWATER ANALYTICAL RESULTS MAP
AUGUST 2024 ALUMINUM (SHALLOW)
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	12/12/2024
CHECKED	SRP	12/12/2024
DRAWN	CLR	12/11/2024
PROJECT NO.	PA009580	

DRAWING NUMBER
APPENDIX A–2

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205;
412-722-1222



LEGEND

- LANDFILL LIMITS
- RADIOLOGICAL AREA
- LEACHATE COLLECTION TOE DRAIN
- 0.00 BORON ISOCONCENTRATION LINE (MG/L) (DASHED WHERE INFERRED)

NOTES:
1. SEE SHEET A–1 FOR BASE MAP LEGEND ITEMS.
2. BASED ON ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES COLLECTED BY O.A. TECHNICAL SERVICES.
3. GROUNDWATER CONSTITUENT CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER, (MG/L.)
4. CONCENTRATIONS REPORTED AS "LESS THAN" OR "<" ASSUMED TO BE ONE–HALF OF THE REPORTING LIMIT FOR GRAPHICAL PURPOSES.

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=160'

0 160' 320' 480'

APPENDIX A–3
GROUNDWATER ANALYTICAL RESULTS MAP
AUGUST 2024 BORON (SHALLOW)
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

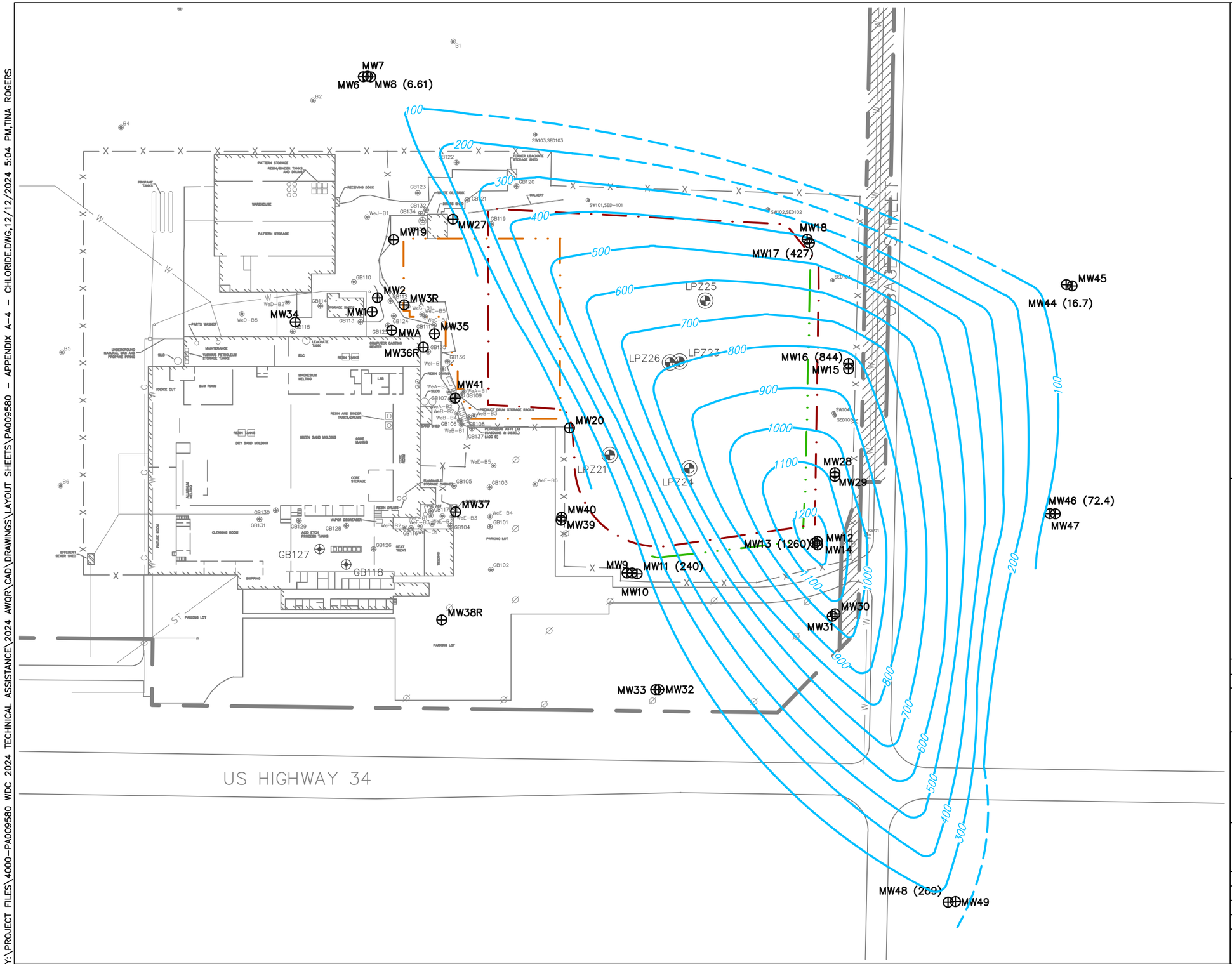
PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	12/12/2024
CHECKED	SRP	12/12/2024
DRAWN	CLR	12/11/2024
PROJECT NO.	PA009580	

DRAWING NUMBER
APPENDIX A–3

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205;
412-722-1222

Y:\PROJECT FILES\4000–PA009580 WDC 2024 TECHNICAL ASSISTANCE\2024 AWQR\CAD\DRAWINGS\LAYOUT SHEETS\PA009580 – APPENDIX A–3 – BORON.DWG,12/12/2024 5:39 PM,TINA ROGERS



LEGEND

- LANDFILL LIMITS
- RADIOLOGICAL AREA
- LEACHATE COLLECTION TOE DRAIN
- 0.00 CHLORIDE ISOCONCENTRATION LINE (MG/L) (DASHED WHERE INFERRED)

NOTES:
1. SEE SHEET A–1 FOR BASE MAP LEGEND ITEMS.
2. BASED ON ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES COLLECTED BY O.A. TECHNICAL SERVICES.
3. GROUNDWATER CONSTITUENT CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER, (MG/L.)
4. CONCENTRATIONS REPORTED AS "LESS THAN" OR "<" ASSUMED TO BE ONE–HALF OF THE REPORTING LIMIT FOR GRAPHICAL PURPOSES.

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=160'

0 160' 320' 480'

APPENDIX A–4
GROUNDWATER ANALYTICAL RESULTS MAP
AUGUST 2024 CHLORIDE (SHALLOW)
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

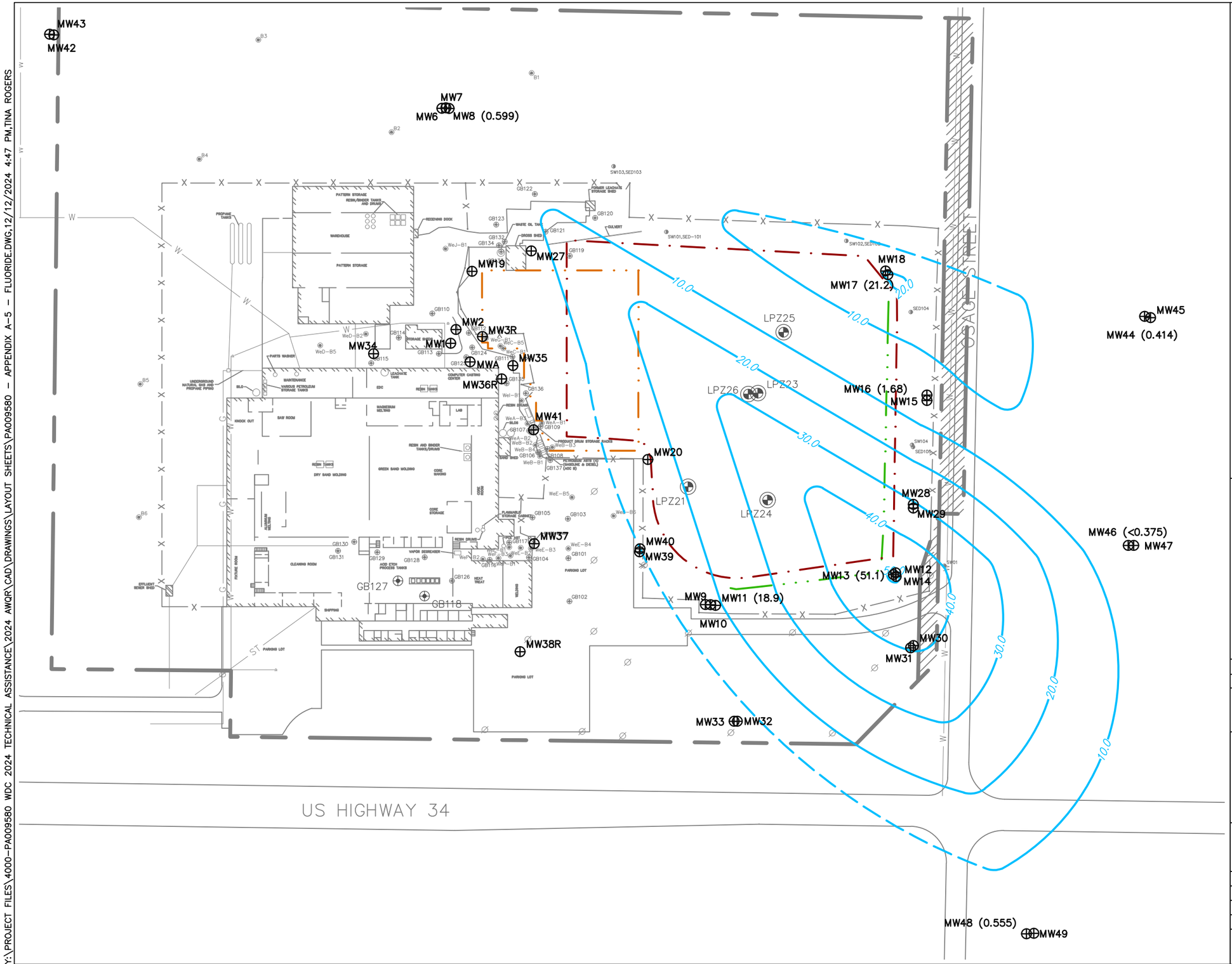
PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	12/12/2024
CHECKED	SRP	12/12/2024
DRAWN	CLR	12/11/2024
PROJECT NO.		PA009580

DRAWING NUMBER
APPENDIX A–4

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205;
412-722-1222

Y:\PROJECT FILES\4000–PA009580 WDC 2024 TECHNICAL ASSISTANCE\2024 AWQR\CAD\DRAWINGS\LAYOUT SHEETS\PA009580 – APPENDIX A–4 – CHLORIDE.DWG,12/12/2024 5:04 PM,TINA ROGERS



LEGEND

- LANDFILL LIMITS
- RADIOLOGICAL AREA
- LEACHATE COLLECTION TOE DRAIN
- 0.00 FLUORIDE ISOCONCENTRATION LINE (MG/L) (DASHED WHERE INFERRED)

NOTES:
1. SEE SHEET A–1 FOR BASE MAP LEGEND ITEMS.
2. BASED ON ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES COLLECTED BY O.A. TECHNICAL SERVICES.
3. GROUNDWATER CONSTITUENT CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER, (MG/L.)
4. CONCENTRATIONS REPORTED AS "LESS THAN" OR "<" ASSUMED TO BE ONE–HALF OF THE REPORTING LIMIT FOR GRAPHICAL PURPOSES.

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=160'

0 160' 320' 480'

APPENDIX A–5
GROUNDWATER ANALYTICAL RESULTS MAP
AUGUST 2024 FLUORIDE (SHALLOW)
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

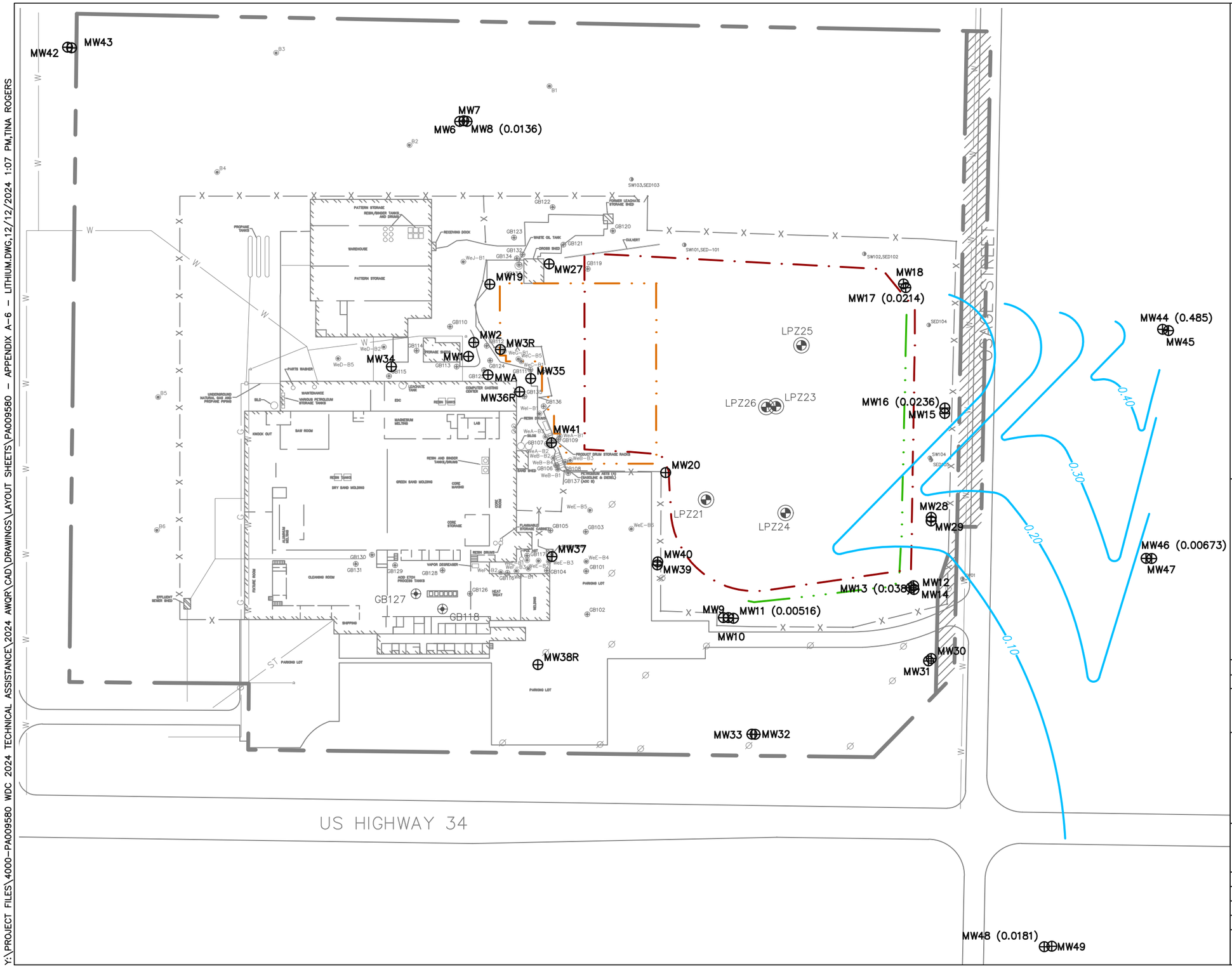
PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	12/12/2024
CHECKED	SRP	12/12/2024
DRAWN	CLR	12/11/2024
PROJECT NO.	PA009580	

DRAWING NUMBER
APPENDIX A–5

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205; 412-722-1222

Y:\PROJECT FILES\4000–PA009580 WDC 2024 TECHNICAL ASSISTANCE\2024 AWQR\CAD\DRAWINGS\LAYOUT SHEETS\PA009580 – APPENDIX A–5 – FLUORIDE.DWG,12/12/2024 4:47 PM,TINA ROGERS



LEGEND

- LANDFILL LIMITS
- RADIOLOGICAL AREA
- LEACHATE COLLECTION TOE DRAIN
- 0.00 — LITHIUM ISOCONCENTRATION LINE (MG/L) (DASHED WHERE INFERRED)

NOTES:
1. SEE SHEET A–1 FOR BASE MAP LEGEND ITEMS.
2. BASED ON ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES COLLECTED BY O.A. TECHNICAL SERVICES.
3. GROUNDWATER CONSTITUENT CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER, (MG/L.)
4. CONCENTRATIONS REPORTED AS "LESS THAN" OR "<" ASSUMED TO BE ONE–HALF OF THE REPORTING LIMIT FOR GRAPHICAL PURPOSES.

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=160'

0 160' 320' 480'

APPENDIX A–6
GROUNDWATER ANALYTICAL RESULTS MAP
AUGUST 2024 LITHIUM (SHALLOW)
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

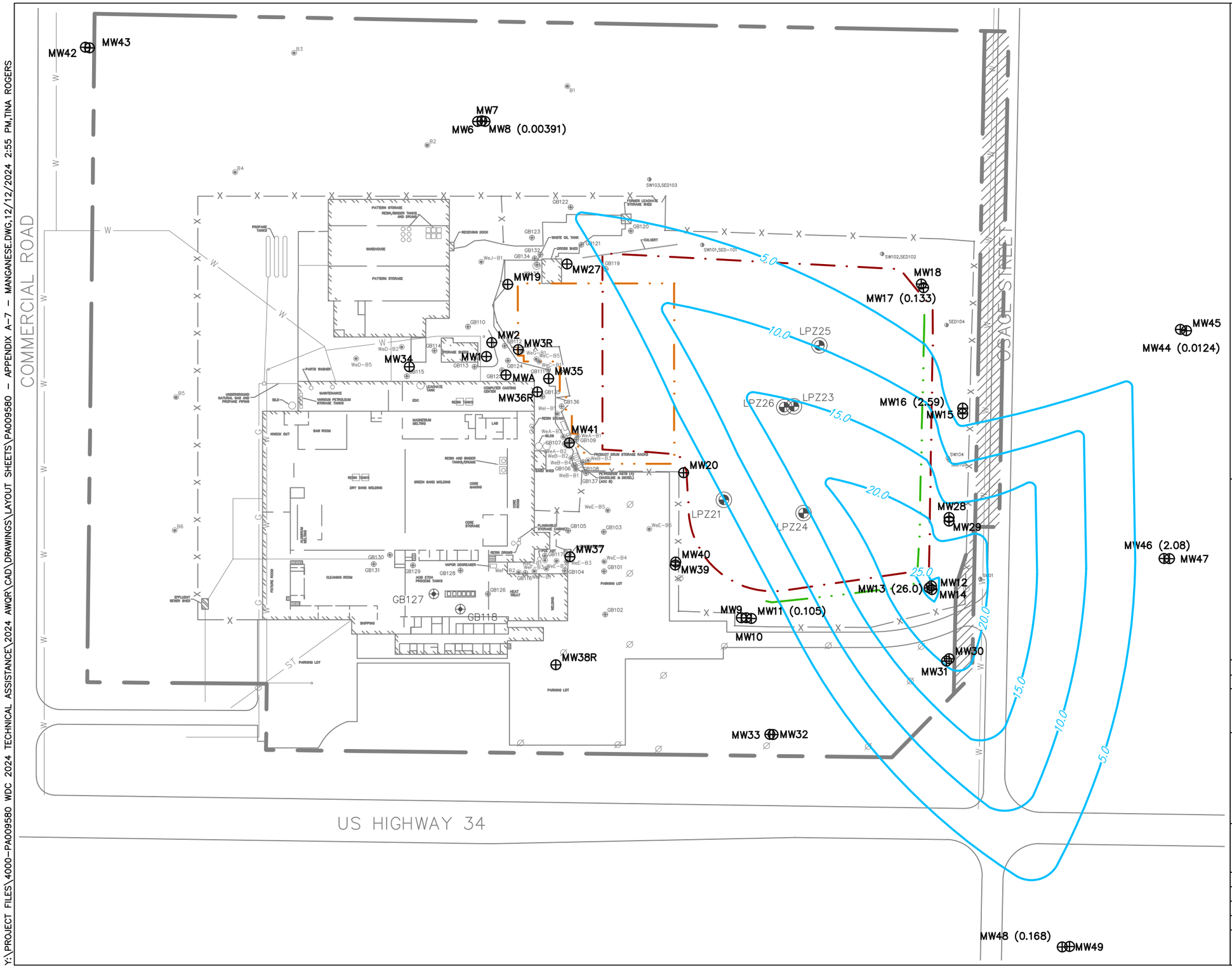
PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	12/12/2024
CHECKED	SRP	12/12/2024
DRAWN	CLR	12/11/2024
PROJECT NO.		PA009580

DRAWING NUMBER
APPENDIX A–6

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205; 412-722-1222

Y:\PROJECT FILES\4000–PA009580 WDC 2024 TECHNICAL ASSISTANCE\2024 AWQR\CAD\DRAWINGS\LAYOUT SHEETS\PA009580 – APPENDIX A–6 – LITHIUM.DWG,12/12/2024 1:07 PM,TINA ROGERS



LEGEND

- LANDFILL LIMITS
- RADIOLOGICAL AREA
- LEACHATE COLLECTION TOE DRAIN
- 0.00 MANGANESE ISOCONCENTRATION LINE (MG/L) (DASHED WHERE INFERRED)

NOTES:
1. SEE SHEET A–1 FOR BASE MAP LEGEND ITEMS.
2. BASED ON ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES COLLECTED BY O.A. TECHNICAL SERVICES.
3. GROUNDWATER CONSTITUENT CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER, (MG/L.)
4. CONCENTRATIONS REPORTED AS "LESS THAN" OR "<" ASSUMED TO BE ONE–HALF OF THE REPORTING LIMIT FOR GRAPHICAL PURPOSES.

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=160'

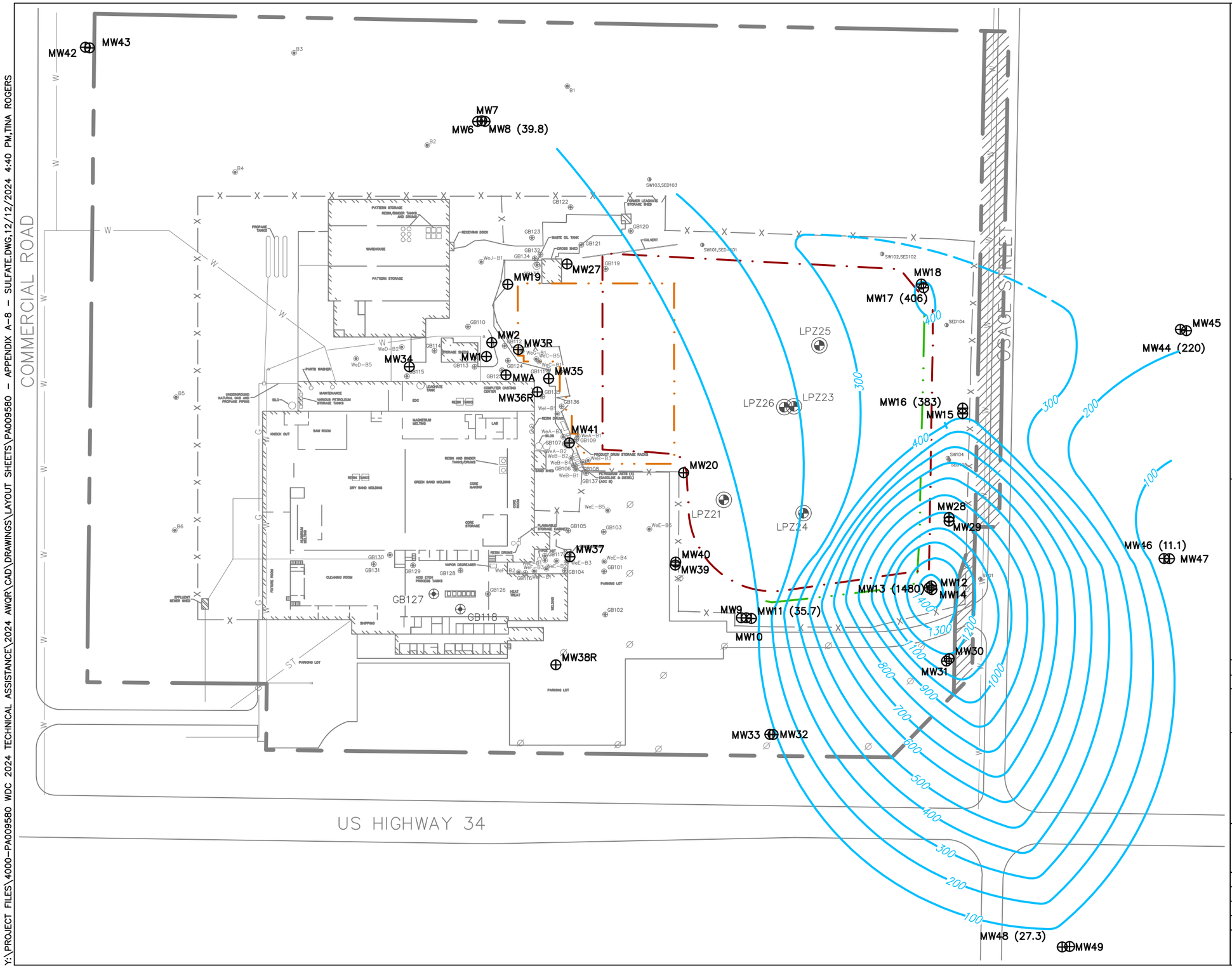
0 160' 320' 480'

APPENDIX A–7
GROUNDWATER ANALYTICAL RESULTS MAP
AUGUST 2024 MANGANESE (SHALLOW)
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	12/12/2024
CHECKED	SRP	12/12/2024
DRAWN	CLR	12/11/2024
PROJECT NO.		PA009580
DRAWING NUMBER		APPENDIX A–7

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205; 412-722-1222



LEGEND

- LANDFILL LIMITS
- RADIOLOGICAL AREA
- LEACHATE COLLECTION TOE DRAIN
- 0.00 SULFATE ISOCONCENTRATION LINE (MG/L) (DASHED WHERE INFERRED)

NOTES:
1. SEE SHEET A–1 FOR BASE MAP LEGEND ITEMS.
2. BASED ON ANALYTICAL RESULTS FROM GROUNDWATER SAMPLES COLLECTED BY O.A. TECHNICAL SERVICES.
3. GROUNDWATER CONSTITUENT CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER, (MG/L.)
4. CONCENTRATIONS REPORTED AS "LESS THAN" OR "<" ASSUMED TO BE ONE–HALF OF THE REPORTING LIMIT FOR GRAPHICAL PURPOSES.

REFERENCE:
1. TAKEN FROM GREEN ENVIRONMENTAL SERVICES, INC. "HYDROGEOLOGIC INVESTIGATION REPORT" JANUARY 25, 1993.

REVISION	DATE	DESCRIPTION

1"=160'

0 160' 320' 480'

APPENDIX A–8
GROUNDWATER ANALYTICAL RESULTS MAP
AUGUST 2024 SULFATE (SHALLOW)
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

PREPARED FOR
WDC ACQUISITION LLC FACILITY
CRESTON, IOWA

APPROVED	RFD	12/12/2024
CHECKED	SRP	12/12/2024
DRAWN	CLR	12/11/2024
PROJECT NO.	PA009580	

DRAWING NUMBER
APPENDIX A–8

Penn E&R
Environmental & Remediation, Inc.
111 RYAN CT. SUITE 100, PITTSBURGH, PA 15205;
412-722-1222

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