

2025

ANNUAL GROUNDWATER QUALITY REPORT

OF

THE PLYMOUTH COUNTY SANITARY LANDFILL
75-SDP-01-74P
LE MARS, IOWA

by:
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December, 2025



6052-23A.320

Certification

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Section 1.0 Background Information

1.1 Report Format

Table 1 through Table 13 are attached to this report and satisfy the January 16, 2020, IDNR requirement to provide the tables to meet the IDNR format requirements (Doc #96764).

1.2 Report Priority

No requests are made herein for priority review of this document.

1.3 Period of Report Coverage

Water quality data evaluation is based on a running compilation of data beginning on April 11, 2018. Statistical evaluations herein are based on the most recent water quality data collected through November 5, 2025.

1.4 Current Site Maps

Figure 1 is attached illustrating the current site features, monitoring well locations, and subsurface gas probe locations.

Figure 2 represents the groundwater contour map.

1.5 Site Status and Applicable Rules

Site Location

The Plymouth County Sanitary Landfill is located in a portion of the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 34, T93N, R45W, Plymouth County, Iowa. The site has a physical address of 34898 150th Street, Le Mars, Iowa 51301. The facility operates under the Iowa Department of Natural Resources (IDNR) Permit Number 75-SDP-01-74P. The solid waste stream includes only construction and demolition waste.

Site Geology/Hydrogeology

The geology and hydrogeology are described in the 1991 Hydrogeologic Assessment Report (Doc #24610). Previous land use was undeveloped agricultural land.

The description of the site geology is:

“The landfill is situated in the loess hills region of western Iowa which is characterized by a mantle of wind derived silts and clays (loess) overlying glacial drift deposits. The landscape is well-drained. Accumulative thicknesses of loess and glacial drift are reported to be on the order of less than 50 to 150 feet. The uppermost bedrock unit at the site is shale of the Cretaceous-aged Graneros Formation or underlying Woodbury Member (primarily shale) of the Cretaceous-aged Dakota Formation. The Graneros Shale is of limited extent in Plymouth County. Shale of the underlying Woodbury Member becomes the uppermost bedrock unit where the Graneros is absent. Although the Woodbury Member reportedly contains occasional sand lenses within shale, IGS test borings revealed the Woodbury to consist of shale near the landfill site. Underlying the Woodbury Member Shale is the Nishnabotna Member of the Dakota Formation. The Nishnabotna Member is a massive sand stone unit and a regional aquifer which supplies a substantial amount of water to the northwest Iowa region.

Loess was typically encountered as the uppermost lithologic unit. The exceptions to this observation were where fill material was overlying loess at some of the boring locations and where loess was not observed (MW-9 and PZ-9) which may be due to loess removal resulting from landfill operations. Loess was described in the field as brown lean clay, however the detection of a substantial amount of sand during grain size analysis in some loess samples may suggest that the loess has been reworked or redeposited.

Glacial drift was observed to underlie the loess deposits. Glacial till was generally described as brown to dark gray lean clay containing various amounts of sand and gravel.

Thin sand and gravel seams on the order of 1 to 5 centimeters thick were also observed within glacial till. Thicker sand units or lenses on the order of 1 to 14 feet thick were also observed within glacial till and are indicated on the boring logs and geologic profiles as individual lithologic units separate from glacial till."

Landfill Layout

The approved landfill is configured in a series of adjoining cells designated as Cell 1-N through Cell 4-N, and Cell 1-S through Cell 11-S as illustrated on Figure 1.

Groundwater collection and diversion piping does not exist below the filled portions of this facility.

Applicable Rules

Iowa Administrative Code (IAC) 567-114 is applicable to the site.

MONITORING WELL MAINTENANCE PERFORMANCE REEVALUATION

Table 3 outlines the status of well performance and maintenance activities performed as required by IAC 567-114.21(2). Water elevation information is summarized in Table 4, Table 4A, and Table 4B.

High & Low Water Levels

Current water elevation data is included on Table 4. Historic water elevation data (2017 to present) is included in Table 4A, while water elevation data prior to 2017 is included in Table 4B. The high and low water elevations in 2025 are summarized in Table 4, while the minimum and maximum elevations since 2017 are highlighted on Table 4A.

A Water Table Contour Map (Figure 2) dated November 5, 2025, is included with this report and illustrates the water surfaces and the effects of the topography.

Review of the 2025 water elevation data does not indicate any remarkable water elevation conditions.

Well Depth & Sedimentation

Well depth measurements were made November 5, 2025. Review of the well depth data included on Table 4 indicate that excessive sedimentation is not occurring at any site monitoring wells.

Well Recharge Rates & Chemistry

The general in-situ permeability was defined in the 1998 revised Hydrologic Monitoring System Plan for the Plymouth County Landfill (Doc #8197):

“Resultsindicated an average measured horizontal conductivity of 4.4×10^{-4} centimeters per second (cm/s) for glacial drift and 6.2×10^{-6} cm/s for underlying shale and weathered shale collectively. The relatively higher conductivity for glacial drift is attributable to small sand seams and large sand lenses of glacio-fluvial origin within the glacial drift mass”.

A variance to IAC 114.21 was issued by IDNR on March 10, 2021 (Doc # 99960) and authorizes performance of biennial well recharge rate evaluation in lieu of the in-situ permeability tests every five (5) years.

Table 4C is included summarizing the flow rates obtained August 2021, May 2023, October 2023, and May, 2024. Flow rates at each well do demonstrate a range which is attributed to the conditions in each well during the sample collection episode. Seasonal water levels appear to play a part in the recorded flow rates, especially when certain wells are pumped dry during purging and/or sample collection activities.

The flow rate was sufficient in all cases to collect an appropriate sample in the spring of 2024. No-purge sample collection methods were employed in the fall of 2024.

Flow rate information indicates that recharge to the individual wells remains sufficient to promote collection of representative water quality samples and the wells were functioning as intended. Monitoring well recharge evaluation is due every other year based on the March 10, 2021 variance to 114.21(2)“d”, and should be evaluated again in 2026.

Based on the apparent static conditions across the site, it appears that the semi-annual water elevation data is sufficient to adequately monitor the hydrologic condition of the site. Review of the water elevation data for 2025 does not indicate excessive variability compared to historic water elevation data. The wells are interpreted to be appropriately located to detect any impact, should it occur.

Section 2.0 Reporting Period Monitoring Activities

The Hydrologic Monitoring for the site is approved by Special Provision 4 of the Revised Permit dated December 4, 2025 (Doc# 115116). The current HMSP is summarized in the Table 1. The HMSP Implementation Schedule for 2026 is itemized in Table 2.

Background monitoring wells are restricted to a single well (MW-17). The background monitoring well is functioning as a valid sampling point based on the hydrogeology and the water quality results; however, additional existing site monitoring wells should likely be designated as background wells to incorporate the natural variability of water quality throughout the site. Consideration of supplemental background water quality from existing site monitoring wells will be discussed in the future under separate cover.

Downgradient monitoring points include MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, and MW-16. Provision 4e of the Permit requires semi-annual sampling for indicator

compounds (pursuant IAC 114.26(4)“e”) to be performed at the designated monitoring wells at the site. The TOX and phenol testing requirements included in IAC 114.26(4)“f” are required annually.

Supplemental VOC testing is required at MW-7, MW-8, MW-10, MW-12, MW-14, and MW-16 pursuant to the Groundwater Assessment Plan Update dated June 27, 2019 (Doc #95503) and approved by Special Provision 4f of the Revised Permit. The supplemental VOC testing parameters include benzene, cis-1,2-dichloroethene, 1,2-dichloropropane, methyl chloride, PCE, TCE, and vinyl chloride.

A summary of the planned 2026 sample collection events at each well is included on Table 2.

Field sampling information for April 16, 2025, and November 5, 2025, is included on the field forms (IDNR Form 542-1322) in Appendix A. Note that the cooler/sample temperature log indicates that the temperature in the cooler at the lab on April 18, 2025, was below 4.0 degrees celsius. The changes in sample management and transport required in the January 3, 2025 IDNR Letter (Doc #111627) are successful.

A comprehensive summary of Analytical Data for the episodes between August 9, 1996, and November 5, 2025 is included on Table 9.

2.1 Current Detection Monitoring Activities

The background well is currently MW-17.

Downgradient monitoring points include MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, and MW-16.

2.2 Current Assessment Monitoring Activities

There are no assessment monitoring activities at the site.

2.3 Current Corrective Action Activities

As illustrated in Figure 1, there are eleven (11) gas vents (GV-1 through GV-11) that were installed in September 2020 (Doc #98440). The vents are installed as a corrective action in order to reduce the potential water quality impacts by VOC at MW-7, MW-8, and MW-12. MW-7, MW-8, and MW-12 are evaluated to determine the success of the corrective action gas vents.

Section 3.0 Data Evaluation and Summary

Field Sampling Forms for April 16, 2025, and November 5, 2025 sample collection episodes are included in Appendix A. Chemical analytical results for April 16, 2025, and November 5, 2025 sample collection episodes are included in Appendix B. The cumulative chemical analytical data is also presented in summary form in Table 9.

Statistical Evaluations are prepared by Otter Creek Environmental Services for the Spring and Fall monitoring episodes. The Groundwater Statistics Report for the Plymouth County Sanitary Landfill, Semi-Annual Monitoring Events in 2025, dated December, 2025 is included in Appendix C.

SITE SPECIFIC GWPS

There are no Site-Specific GWPS established for this facility. Where GWPS exist, they are listed in the Statewide Standards published in Iowa Administrative Code (IAC) 567, Chapter 137. For many compounds tested, GWPS do not exist (Table 5). For compounds that do have GWPS, the published IAC 567, Chapter 137 GWPS are utilized.

STATISTICALLY SIGNIFICANT INCREASES (SSI)

Test results from background monitoring well MW-17 (Table 5) are utilized to establish background conditions of site groundwater.

The current HMSP has been in place since April 11, 2018. All downgradient well data collected since April 11, 2018 is evaluated herein. In the downgradient wells, compounds that have exceeded a calculated control limit in 2025 are summarized in Table 6.

The water quality data at each downgradient well is also evaluated over time in Table 7 which summarizes compounds in downgradient wells that have exceeded a control limit since April 11, 2018.

Note that in wells where compounds have been detected that exceed a prediction limit in 2018 - 2025, supplemental sampling has not been implemented. The supplemental sampling approved in 2019 for VOC has been on-going to gauge water quality and water quality changes over time.

Table 7 summarizes compounds in downgradient wells that exceed a GWPS. It is noted that only VOC in MW-7 and MW-12 are detected in concentrations that that exceed a GWPS. There are no other compounds recorded that exceed the GWPS.

No additional sampling is recommended at this time.

ASSESSMENT MONITORING SUMMARY

Not Applicable.

STATISTICALLY SIGNIFICANT LEVELS (SSL)

The detections that exceed site prediction limits (brown highlights on Table 7) are utilized to calculate the Confidence Interval (the 95% lower confidence limits (LCL) and the 95% upper control limits (UCL)) in accordance with the 2009 Unified Guidance for Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities by US EPA. The 95% LCL values are compared to applicable GWPS. Any 95% LCL value that exceeds an applicable GWPS is recorded as an SSL.

The Confidence Intervals (95% LCL and 95% UCL) are calculated during each statistical evaluation based on the most recent four (4) data points. Recorded SSL are highlighted in yellow in Table 7. Table 8 is included to illustrate the 95% UCL compared to the GWPS. A SSL is considered to persist until the 95% UCL value drops below the GWPS.

SSL are summarized as:

MW-7 – 1,2-dichloropropane, cis-1,2-dichloroethane, TCE, vinyl chloride
MW-12 – vinyl chloride

A series of eleven (11) gas vents were installed as the corrective action at select locations. The vents are located between the waste mass and the impacted monitoring well. Based on completion of the remedy near each impacted well, MW-7, MW-8, and MW-12 are designated as the Corrective Action Monitoring Wells.

CORRECTIVE MEASURES MONITORING RESULTS

The evaluation of the Corrective Action Monitoring Wells MW-7, MW-8, and MW-12 is based on the Upper Confidence Limit (95% UCL), see Table 8. The 95% UCL values for the identified VOC currently remain above the GWPS (highlighted in green in Table 8) at MW-7 and MW-12. MW-7 and MW-12 should remain in Corrective Action Monitoring.

It is noted that the reported 95% UCL for cis-1,2-dichloroethene at MW-8 dropped below the GWPS in October, 2023 and has remained below the GWPS for 2.5 years. At MW-8 the reported 95% UCL for vinyl chloride dropped below the GWPS in April, 2025 and remained below the GWPS for 1.0 years. MW-8 should remain in Corrective Action Monitoring until the 95% UCL value has stayed below the GWPS for 3.0 years for all compounds.

Additional Corrective Action Monitoring includes the on-going quarterly monitoring of Gas Vents GV1-GV-11 for the % Lower Explosive Limits (LEL).

Table 10 and Table 11 are included to summarize the on-going Corrective Action Monitoring Plan (CAMP) results at MW-7, MW-8, and MW-12.

Section 4.0 Leachate Collection System Performance Evaluation

General – The construction of the majority of this site predates the requirement to include leachate collection below the waste mass. The leachate control system (LCS) that does exist is installed under the adjoining boundary of Cell 10-S and Cell 11-S (Figure 3). The limited LCS consists of a gravity collection pipe that underlies the fills and two (2) leachate extraction pumps that operate during months when freezing does not occur. The collected leachate is conveyed to a leachate holding lagoon located near the southwest corner of the site. Leachate recirculation does not occur at the site.

Leachate Line Cleaning - The leachate line cleaning was last completed in May 2022 and is due again in 2025. A contractor has been retained by the Plymouth County Solid Waste Agency to perform the service. At the time of submission of this report the contractor had not yet completed the task and the ground conditions at the site currently remain unfavorable. Line cleaning is anticipated to occur soon as site conditions improve.

Leachate Head Measurements - Four (4) leachate piezometers exist at the site to monitor leachate head. One (1) leachate piezometer (LW-1) is located in the north (N) series Cells, while three (3) leachate piezometers (LW-2, LW-3, and LW-4) are located in the south (S) series Cells.

Based on the highly static nature of monthly leachate levels in all wells (LW-1 through LW-4) over

time (2013 to 2023), the IDNR approved that the frequency of leachate measurements be reduced to quarterly on December 27, 2023 (Doc #108520). The leachate head monitoring in LW-1 through LW-4 and is summarized in Table 12. No remarkable changes are noted in leachate head over time. Filling and capping of the majority of the site (Cell 1-N through Cell 4-N, and Cell 1-S through Cell 8-S) is complete.

Extraction pumps are also located in leachate piezometer LW-3 and LW-4. The pumps are removed from the extraction wells during the cold weather months to avoid freezing issues with the pumping and conveyance equipment.

It is recognized that the average thickness of leachate on the unlined areas consistently exceeds 12 inches (typically 1-10 feet). It is also recognized that the landfill construction predominately predates the requirement for leachate collection or for the requirement of limited leachate head on the liner. Further all cells are closed except active cells Cell 10-S and Cell 11-S.

The recent Cells (Cell 10-S and Cell 11S) have been designed in accordance with requirements of IAC 567, Chapter 114.26(11)''a''(1) through (7). A leachate head monitoring point was proposed in the March 31, 2022 Letter (Doc 102694) when the lowest sections of Cell 10-S and Cell 11-S are constructed in the future.

Leachate Transport to Treatment – In 2025 there was no leachate hauled from the Plymouth County Landfill. A Treatment Agreement is in place with the Le Mars WWTP. Additionally, 1,725 gallons of leachate was extracted from LW-3 and LW-4 in 2025 (conveyed to the leachate lagoon).

Leachate Analyses - Chemical analysis of the leachate was not performed in 2025 as it was not required by the Treatment Agreement with Le Mars (only required in years when leachate is hauled).

Section 5.0 Gas Monitoring

Explosive gas monitoring was performed quarterly through 2025, per IAC 567-114.26(15). Figure 4 illustrates the approved gas monitoring system points including the corrective action Gas Vents. The results are summarized in Table 13.

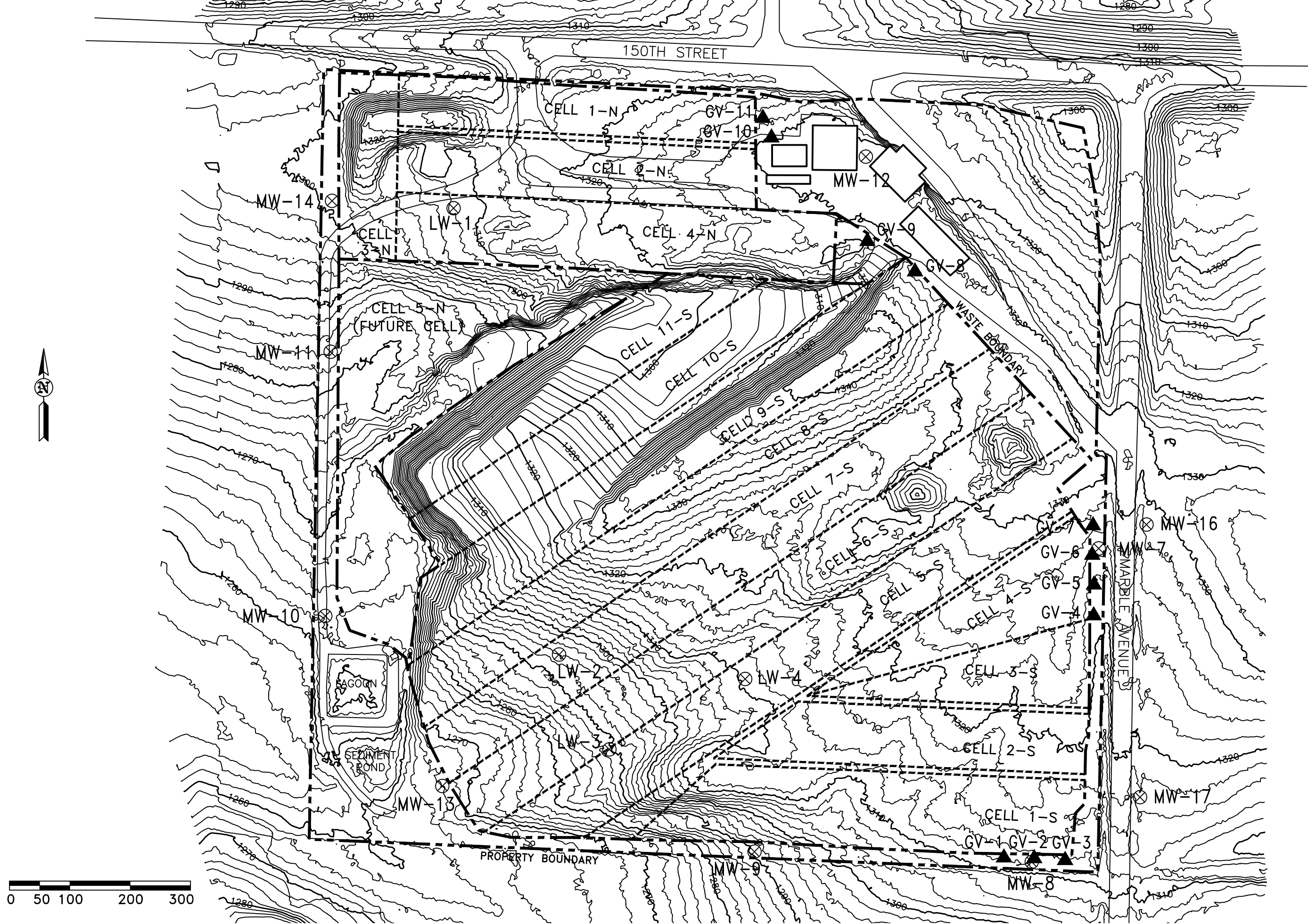
Review of Table 13 indicates that gas was undetected and reported as 0% LEL at all monitoring points during all four (4) monitoring events in 2025.

The results of gas monitoring (%LEL) in the eleven (11) corrective action gas vents is also summarized in Table 13. Gas monitoring at the Gas Vents indicates the landfill gas is passively vented as intended. The venting of landfill gas is considered source control and is anticipated to improve water quality at MW-7, MW-8, and MW-12 over time and is anticipated to restrict subsurface migration from the site.

Section 6.0 Recommendations

- a. Continue to perform sampling in accordance with Special Provision 4 of the Revised Permit. Supplemental analyses beyond the VOC analyses are not recommended.
- b. Samples collected in the Spring of 2026 should include analyses for TOX and Phenol in accordance with IAC 114.26(4)"f".
- c. Continue to evaluate water quality in the Annual Water Quality Report, due November 30 of each year.
- d. Continue to perform semi-annual water level measurements in the Spring & Fall of each year and reevaluate the data in the Annual Water Quality Report due November 30 of each year.
- e. The Monitoring Well Recharge Evaluation should be performed in 2026.
- f. The leachate collection line should be cleaned on a 3-year frequency per rule. The cleaning due in 2025 should be completed as soon as ground conditions are suitable. Line cleaning should continue on a three (3) year frequency with the subsequent cleaning event in 2028.
- g. Continue to perform quarterly leachate level measurements and evaluate leachate levels in the Annual Groundwater Quality Report/Leachate Control System Performance Evaluation due November 30 of each year.
- h. Continue to perform quarterly explosive gas monitoring and report the results in the Annual Groundwater Quality Report.

	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.	
		12/19/25
	DOUGLAS J. LUSZCZAK, P.E.	DATE
	License number 12654	
	My license renewal date is December 31, 2026.	
	Pages or sheets covered by this seal: All except Appendices	





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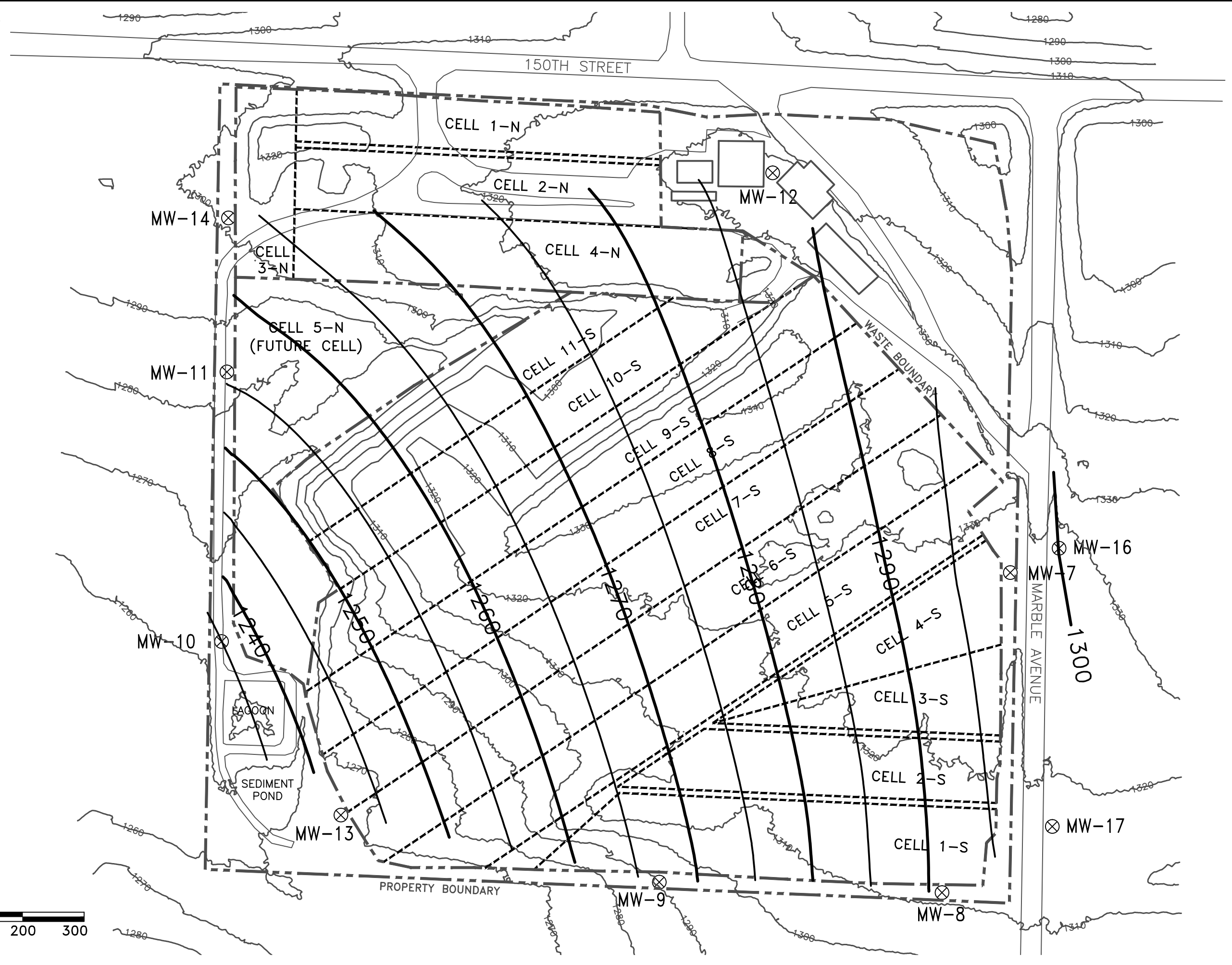
SITE PLAN

PLYMOUTH COUNTY SANITARY LANDFILL
LE MARS, IOWA

FIGURE: 1

REVISION	NO.	DATE
DRAWN	6052	11-10-25
DRA		

WATER ELEVATION NOVEMBER 5, 2025	
WELL	ELEV.
MW-7	1299.19
MW-8	1291.12
MW-9	1266.65
MW-10	1234.96
MW-11	1255.92
MW-12	1288.40
MW-13	1241.37
MW-14	1263.61
MW-16	1300.02
MW-17	1299.09



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FIGURE: 2

GROUNDWATER CONTOURS
 PLYMOUTH COUNTY SANITARY LANDFILL
 LE MARSA, IOWA

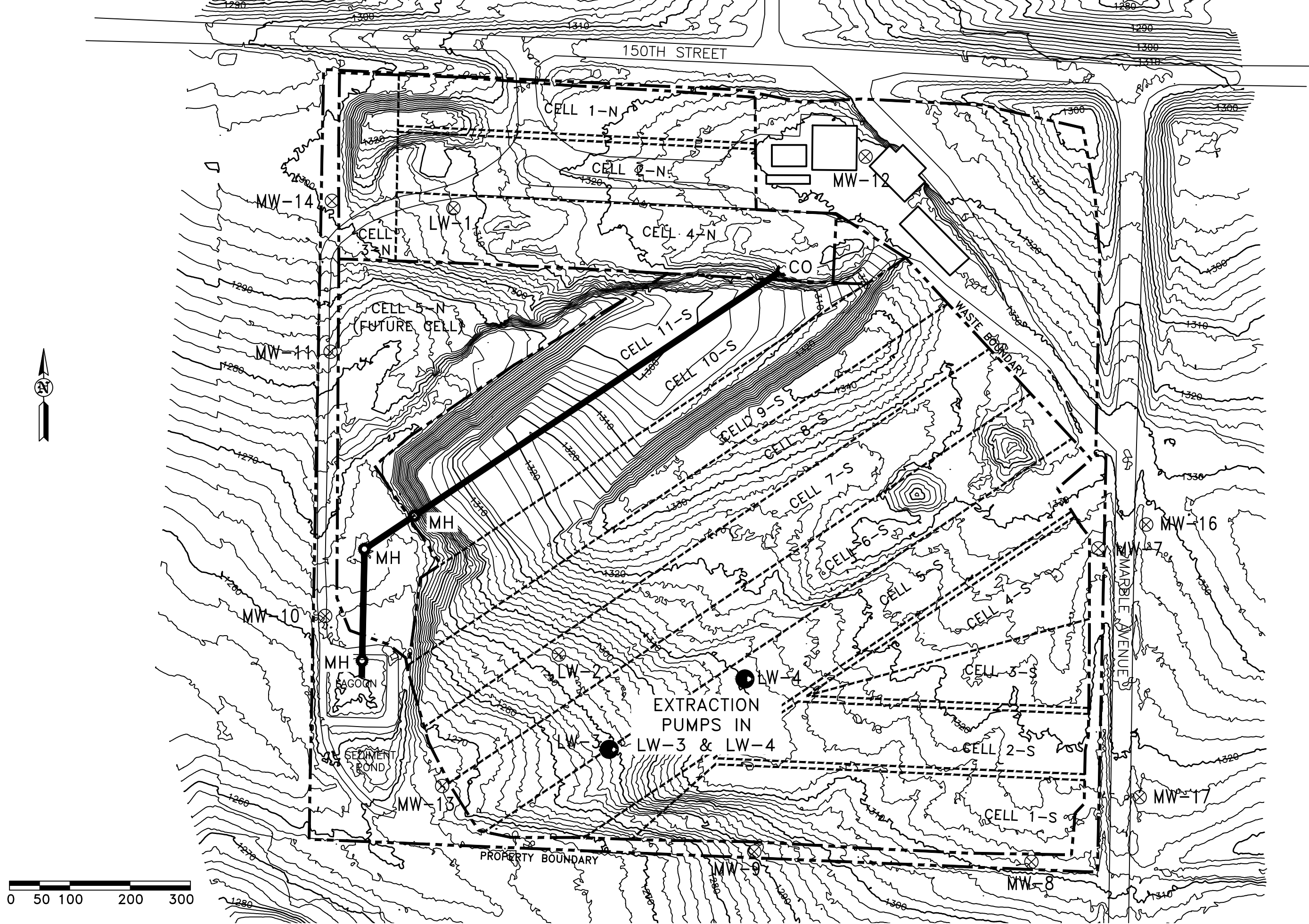
NO. _____ DATE _____

REVISION _____

PROJECT NO. 6052 DATE 11-10-25

DRAWN DRA

HLW Engineering Group





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LEACHATE COLLECTION SYSTEM PLAN

PLYMOUTH COUNTY SANITARY LANDFILL

LE MARS, IOWA

FIGURE: 3

REVISION	NO.	DATE
DRAWN	6052	11-10-25
DRA		

LOCATION
1 EQUIPMENT BUILDING
2 TRANSFER STATION
3 STORAGE/RCC
4 OFFICE BUILDING
5 SCALE
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
MW-16
MW-17
GAS VENT GV-1
GAS VENT GV-2
GAS VENT GV-3
GAS VENT GV-4
GAS VENT GV-5
GAS VENT GV-6
GAS VENT GV-7
GAS VENT GV-8
GAS VENT GV-9
GAS VENT GV-10
GAS VENT GV-11

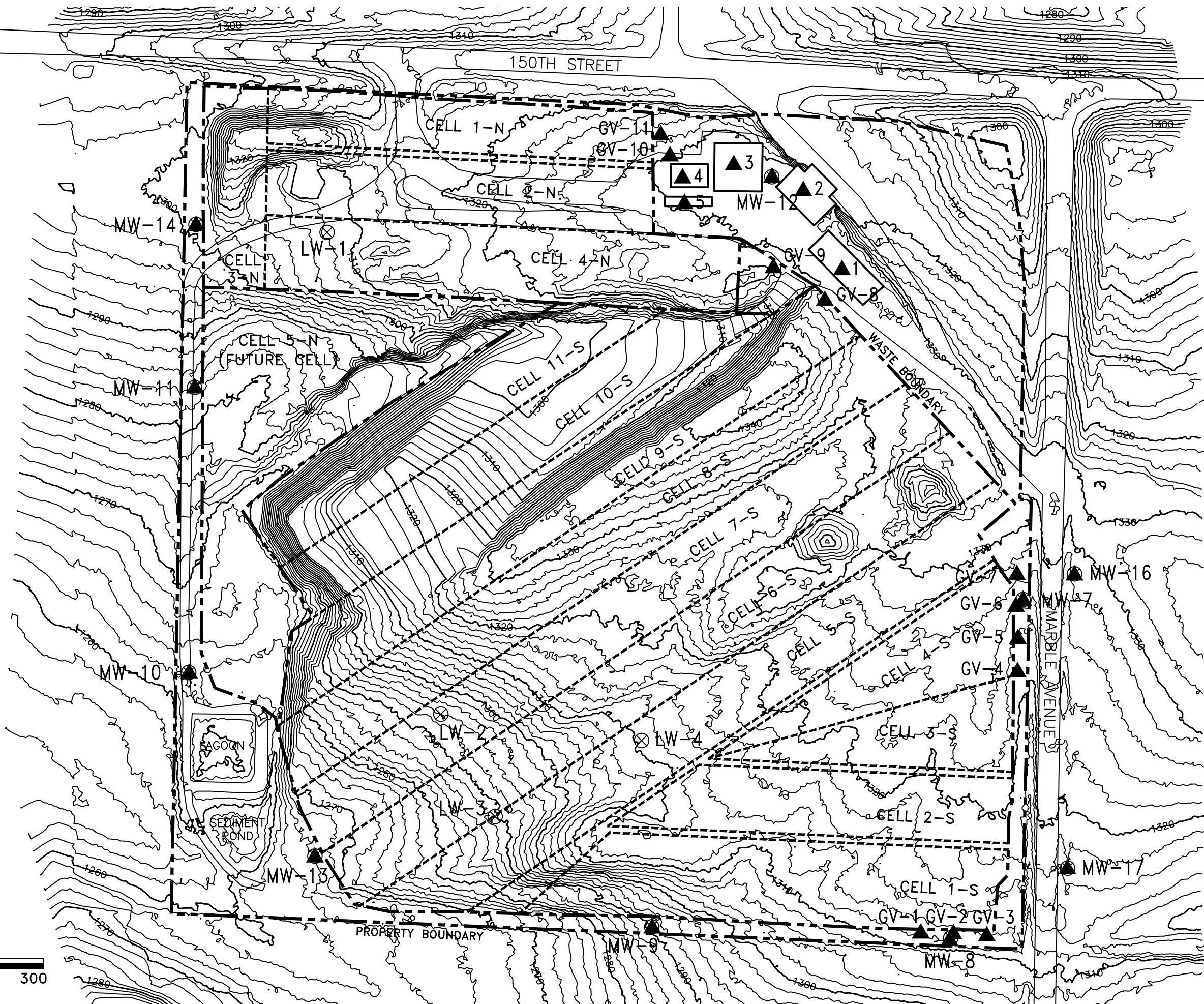
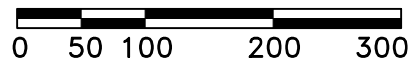


FIGURE: 4		
REVISION	NO.	DATE
DRAWN	PROJECT NO.	DATE
DRA	6052	11-10-25

GAS MONITORING SYSTEM PLAN
PLYMOUTH COUNTY SANITARY LANDFILL
LE MARS, IOWA

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Table 1 – Monitoring Program Summary

Table 1
Monitoring Program Summary
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

2025

Monitoring Well	Formation	Current Monitoring Program	Change for next sampling event	Historic - Constituents w/ SSI	Spring - Constituents w/ SSI	Fall - Constituents w/ SSI	Historic - Constituents w/ SSL	Spring - Constituents w/ SSL	Fall - Constituents w/ SSL	Total # of Samples in each monitoring program since January 1, 2018		
										Detection	Assessment	Corrective Action
MW-17	Glacial Till	Background	No Change	None	None	None	None	None	None	16	0	0
MW-8	Glacial Till	Corrective Action	No Change	1,2-dichloropropane, benzene, cis-1,2-dichloroethene,trichloroethene, vinyl chloride, chloride, specific conductance, TOX	cis-1,2-dichloroethene, chloride, specific conductance	cis-1,2-dichloroethene, chloride, specific conductance	cis-1,2-dichloroethene, vinyl chloride	None	None	0	0	16
MW-9	Glacial Till	Routine	No Change	COD, chloride,specific conductance, TOX	Dry	Dry	None	None	None	10	0	0
MW-10	Weathered Shale	Routine	No Change	cis-1,2-dichloroethene, COD, chloride,specific conductance, TOX	cis-1,2-dichloroethene, COD, chloride,specific conductance	COD, chloride,specific conductance	None	None	None	15	0	0
MW-11	Fine Sand/Glacial Till	Routine	No Change	chloride, specific conductance	COD, chloride,specific conductance	chloride,specific conductance	None	None	None	13	0	0
MW-12	Medium Sand/Glacial Till	Corrective Action	No Change	benzene, cis-1,2-dichloroethene,trichloroethene, vinyl chloride, chloride, iron, specific conductance, TOX	benzene, cis-1,2-dichloroethene, vinyl chloride, chloride, iron, specific conductance	benzene, cis-1,2-dichloroethene, vinyl chloride, chloride, iron, specific conductance	vinyl chloride	vinyl chloride	vinyl chloride	0	0	16
MW-13	Glacial Till/Weathered Shale	Routine	No Change	COD, chloride, iron, specific conductance, TOX	COD, chloride, iron, specific conductance, TOX	COD, chloride	None	None	None	16	0	0
MW-14	Glacial Till	Routine	No Change	1,2-dichloropropane, benzene, cis-1,2-dichloroethene, trichloroethene, COD, chloride, specific conductance, TOX	cis-1,2-dichloroethene, chloride, specific conductance, TOX	benzene, cis-1,2-dichloroethene, chloride, specific conductance	None	None	None	15	0	0
MW-16	Glacial Till	Routine	No Change	COD, chloride, specific conductance	chloride, specific conductance	chloride, specific conductance	None	None	None	16	0	0
MW-7	Glacial Till	Corrective Action	No Change	1,2-dichloroethane, 1,2-dichloropropane, benzene, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, vinyl chloride	1,2-dichloroethane, 1,2-dichloropropane, benzene, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, vinyl chloride	1,2-dichloroethane, 1,2-dichloropropane, benzene, cis-1,2-dichloroethene, trichloroethene, vinyl chloride	1,2-dichloropropane, cis-1,2-dichloroethene, TCE, vinyl chloride	1,2-dichloropropane, cis-1,2-dichloroethene, TCE, vinyl chloride	1,2-dichloropropane, cis-1,2-dichloroethene, TCE, vinyl chloride	0	0	16

Table 2 – Monitoring Program Implementation Schedule

Table 2
Monitoring Program Implementation Schedule
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

2025

Monitoring Well	Recent Sampling Dates and Constituents	Upcoming Sampling Dates and Constituents	
		March, 2026	September, 2026
MW-17	See Table 9	IAC 567-114.26(4) "e" + "f" + VOC	IAC 567-114.26(4) "e" + VOC
MW-8	See Table 9	IAC 567-114.26(4) "e" + "f" + VOC	IAC 567-114.26(4) "e" + VOC
MW-9	See Table 9	IAC 567-114.26(4) "e" + "f"	IAC 567-114.26(4) "e"
MW-10	See Table 9	IAC 567-114.26(4) "e" + "f" + VOC	IAC 567-114.26(4) "e" + VOC
MW-11	See Table 9	IAC 567-114.26(4) "e" + "f"	IAC 567-114.26(4) "e"
MW-12	See Table 9	IAC 567-114.26(4) "e" + "f" + VOC	IAC 567-114.26(4) "e" + VOC
MW-13	See Table 9	IAC 567-114.26(4) "e" + "f"	IAC 567-114.26(4) "e"
MW-14	See Table 9	IAC 567-114.26(4) "e" + "f" + VOC	IAC 567-114.26(4) "e" + VOC
MW-16	See Table 9	IAC 567-114.26(4) "e" + "f" + VOC	IAC 567-114.26(4) "e" + VOC
MW-7	See Table 9	VOC	VOC

VOC = benzene, cis-1,2-dichloroethene, 1,2-dichloropropane, methyl chloride, PCE, TCE, vinyl chloride.

Table 3 – Monitoring Well Maintenance Performance Reevaluation Schedule

Table 3
Monitoring Well Maintenance and Performance Revaluation Schedule
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Compliance with:	Monitoring Calendar Years									
	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
567 IAC 114.21(2)"a" high and low water levels (biennial)	X		X		X		P		P	
567 IAC 114.21(2)"a" well location assessment and screen exposure (biennial)	X		X		X		P		P	
567 IAC 114.21(2)"b" changes in the hydrologic setting and flow paths (biennial)	X		X		X		P		P	
567 IAC 114.21(2)"c" well depths (annual)	X	X	X	X	X	X	P	P	P	P
567 IAC 114.21(2)"d" well permeability rates - variance for well recharge evaluations (biennial)		X		X	X		P		P	

X = completed

P = Planned

N/A = Not Applicable

Table 4 – Monitoring Well Maintenance Performance Reevaluation Summary

Table 4
Monitoring Well Maintenance and Performance Summary
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Well	Top of casing	Top of Screen	Total Depth		Date of Measurements		Maximum Depth
					4/16/2025	11/5/2025	Discrepancy (ft)
MW-17	1319.09	1301.07	33.02	Groundwater Level (ft)	21	20	1.12
				Groundwater Elevation (Ft MSL)	1298.09	1299.09	
				Measured Well Depth (ft)	31.9	31.9	
				Submerged (+) or Exposed screen (-)	-2.98	-1.98	
MW-8	1314.12	1296.7	27.42	Groundwater Level (ft)	22.5	23	-0.38
				Groundwater Elevation (Ft MSL)	1291.62	1291.12	
				Measured Well Depth (ft)	27.8	27.8	
				Submerged (+) or Exposed screen (-)	-5.08	-5.58	
MW-9	1291.83	1277.01	24.73	Groundwater Level (ft)	25.3	25.3	-0.57
				Groundwater Elevation (Ft MSL)	1266.53	1266.53	
				Measured Well Depth (ft)	25.3	25.3	
				Submerged (+) or Exposed screen (-)	-10.48	-10.48	
MW-10	1264.66	1242	32.66	Groundwater Level (ft)	29.9	29.7	0.06
				Groundwater Elevation (Ft MSL)	1234.76	1234.96	
				Measured Well Depth (ft)	32.6	32.6	
				Submerged (+) or Exposed screen (-)	-7.24	-7.04	
MW-11	1285.62	1258	37.62	Groundwater Level (ft)	30.8	29.7	-1.48
				Groundwater Elevation (Ft MSL)	1254.82	1255.92	
				Measured Well Depth (ft)	39.1	39.1	
				Submerged (+) or Exposed screen (-)	-3.18	-2.08	
MW-12	1333.2	1290.3	52.9	Groundwater Level (ft)	44.9	44.8	-0.7
				Groundwater Elevation (Ft MSL)	1288.3	1288.4	
				Measured Well Depth (ft)	53.6	53.6	
				Submerged (+) or Exposed screen (-)	-2	-1.9	
MW-13	1266.67	1248.8	36.87	Groundwater Level (ft)	24.6	25.3	0.37
				Groundwater Elevation (Ft MSL)	1242.07	1241.37	
				Measured Well Depth (ft)	36.5	36.5	
				Submerged (+) or Exposed screen (-)	-6.73	-7.43	
MW-14	1302.41	1267.4	50.01	Groundwater Level (ft)	42.3	38.8	-0.89
				Groundwater Elevation (Ft MSL)	1260.11	1263.61	
				Measured Well Depth (ft)	50.9	50.9	
				Submerged (+) or Exposed screen (-)	-7.29	-3.79	
MW-16	1330.02	1309	36.02	Groundwater Level (ft)	30.8	30	-1.38
				Groundwater Elevation (Ft MSL)	1299.22	1300.02	
				Measured Well Depth (ft)	37.4	37.4	
				Submerged (+) or Exposed screen (-)	-9.78	-8.98	
MW-7	1325.79	1303.4	32.4	Groundwater Level (ft)	28	26.6	-0.5
				Groundwater Elevation (Ft MSL)	1297.79	1299.19	
				Measured Well Depth (ft)	32.9	32.9	
				Submerged (+) or Exposed screen (-)	-5.61	-4.21	

Table 4A – Water Elevation Summary 2017 to Present

Table 4A
Water Elevation Data
Plymouth County Sanitary Landfill
75-SDP-1-74P

Well/TOC	MW-17 1319.09				MW-8 1314.12				MW-9 1291.83				MW-10 1264.66			
	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS
04/04/17	17.57	1301.52	1301.07	0.45	19.23	1294.89	1296.70	-1.81	23.57	1268.26	1277.01	-8.75	27.92	1236.74	1242.00	-5.26
10/10/17	19.30	1299.79	1301.07	-1.28	21.41	1292.71	1296.70	-3.99	21.65	1270.18	1277.01	-6.83	28.20	1236.46	1242.00	-5.54
04/11/18	18.69	1300.40	1301.07	-0.67	21.50	1292.62	1296.70	-4.08	23.00	1268.83	1277.01	-8.18	28.11	1236.55	1242.00	-5.45
10/30/18	14.40	1304.69	1301.07	3.62	16.39	1297.73	1296.70	1.03	16.62	1275.21	1277.01	-1.80	23.92	1240.74	1242.00	-1.26
04/01/19	17.24	1301.85	1301.07	0.78	18.29	1295.83	1296.70	-0.87	21.00	1270.83	1277.01	-6.18	26.35	1238.31	1242.00	-3.69
10/08/19	17.47	1301.62	1301.07	0.55	19.54	1294.58	1296.70	-2.12	20.12	1271.71	1277.01	-5.30	26.90	1237.76	1242.00	-4.24
04/20/20	15.40	1303.69	1301.07	2.62	18.50	1295.62	1296.70	-1.08	18.00	1273.83	1277.01	-3.18	27.20	1237.46	1242.00	-4.54
10/20/20	21.00	1298.09	1301.07	-2.98	18.40	1295.72	1296.70	-0.98	24.00	1267.83	1277.01	-9.18	30.00	1234.66	1242.00	-7.34
04/26/21	20.90	1298.19	1301.07	-2.88	22.50	1291.62	1296.70	-5.08	24.30	1267.53	1277.01	-9.48	30.10	1234.56	1242.00	-7.44
08/16/21	22.00	1297.09	1301.07	-3.98	22.90	1291.22	1296.70	-5.48	24.50	1267.33	1277.01	-9.68	30.60	1234.06	1242.00	-7.94
06/01/22	23.30	1295.79	1301.07	-5.28	24.00	1290.12	1296.70	-6.58	25.30	1266.53	1277.01	-10.48	31.30	1233.36	1242.00	-8.64
10/03/22	23.80	1295.29	1301.07	-5.78	24.60	1289.52	1296.70	-7.18	25.30	1266.53	1277.01	-10.48	32.60	1232.06	1242.00	-9.94
05/03/23	20.60	1298.49	1301.07	-2.58	23.70	1290.42	1296.70	-6.28	24.20	1267.63	1277.01	-9.38	29.70	1234.96	1242.00	-7.04
10/11/23	21.90	1297.19	1301.07	-3.88	24.10	1290.02	1296.70	-6.68	24.80	1267.03	1277.01	-9.98	31.20	1233.46	1242.00	-8.54
05/08/24	13.50	1305.59	1301.07	4.52	22.30	1291.82	1296.70	-4.88	18.00	1273.83	1277.01	-3.18	28.40	1236.26	1242.00	-5.74
August, 2024	21.20	1297.89	1301.07	-3.18	26.30	1287.82	1296.70	-8.88	25.30	1266.53	1277.01	-10.48	31.00	1233.66	1242.00	-8.34
10/29/24	19.30	1299.79	1301.07	-1.28	21.00	1293.12	1296.70	-3.58	21.00	1270.83	1277.01	-6.18	28.90	1235.76	1242.00	-6.24
04/16/25	21.00	1298.09	1301.07	-2.98	22.50	1291.62	1296.70	-5.08	25.18	1266.65	1277.01	-10.36	29.90	1234.76	1242.00	-7.24
11/05/25	20.00	1299.09	1301.07	-1.98	23.00	1291.12	1296.70	-5.58	25.18	1266.65	1277.01	-10.36	29.70	1234.96	1242.00	-7.04
minimum	13.50	1295.29		-5.78	16.39	1287.82		-8.88	16.62	1266.53		-10.48	23.92	1232.06		-9.94
maximum	23.80	1305.59		4.52	26.30	1297.73		1.03	25.30	1275.21		-1.80	32.60	1240.74		-1.26
average				-1.38				-4.17				-7.87				-6.39

Exposed Screens

Submerged Screens

Table 4A
Water Elevation Data
Plymouth County Sanitary Landfill
75-SDP-1-74P

Well/TOC	MW-11 1285.62				MW-12 1333.2				MW-13 1266.67				MW-14 1302.41			
	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS
04/04/17	26.12	1259.50	1258.00	1.50	44.28	1288.92	1290.30	-1.38	22.82	1243.85	1248.80	-4.95	36.27	1266.14	1267.40	-1.26
10/10/17	27.51	1258.11	1258.00	0.11	44.93	1288.27	1290.30	-2.03	25.65	1241.02	1248.80	-7.78	35.45	1266.96	1267.40	-0.44
04/11/18	28.16	1257.46	1258.00	-0.54	45.04	1288.16	1290.30	-2.14	24.34	1242.33	1248.80	-6.47	38.42	1263.99	1267.40	-3.41
10/30/18	21.73	1263.89	1258.00	5.89	44.00	1289.20	1290.30	-1.10	21.12	1245.55	1248.80	-3.25	29.63	1272.78	1267.40	5.38
04/01/19	24.59	1261.03	1258.00	3.03	44.54	1288.66	1290.30	-1.64	23.00	1243.67	1248.80	-5.13	33.71	1268.70	1267.40	1.30
10/08/19	24.00	1261.62	1258.00	3.62	44.22	1288.98	1290.30	-1.32	21.80	1244.87	1248.80	-3.93	33.70	1268.71	1267.40	1.31
04/20/20	24.80	1260.82	1258.00	2.82	45.10	1288.10	1290.30	-2.20	22.40	1244.27	1248.80	-4.53	35.00	1267.41	1267.40	0.01
10/20/20	28.60	1257.02	1258.00	-0.98	45.30	1287.90	1290.30	-2.40	26.50	1240.17	1248.80	-8.63	38.00	1264.41	1267.40	-2.99
04/26/21	30.20	1255.42	1258.00	-2.58	45.80	1287.40	1290.30	-2.90	26.20	1240.47	1248.80	-8.33	42.70	1259.71	1267.40	-7.69
08/16/21	31.30	1254.32	1258.00	-3.68	45.50	1287.70	1290.30	-2.60	28.90	1237.77	1248.80	-11.03	44.20	1258.21	1267.40	-9.19
06/01/22	32.90	1252.72	1258.00	-5.28	45.90	1287.30	1290.30	-3.00	27.50	1239.17	1248.80	-9.63	47.60	1254.81	1267.40	-12.59
10/03/22	33.10	1252.52	1258.00	-5.48	46.20	1287.00	1290.30	-3.30	27.60	1239.07	1248.80	-9.73	50.90	1251.51	1267.40	-15.89
05/03/23	32.20	1253.42	1258.00	-4.58	45.60	1287.60	1290.30	-2.70	25.90	1240.77	1248.80	-8.03	47.40	1255.01	1267.40	-12.39
10/11/23	31.60	1254.02	1258.00	-3.98	45.60	1287.60	1290.30	-2.70	27.50	1239.17	1248.80	-9.63	45.70	1256.71	1267.40	-10.69
05/08/24	27.00	1258.62	1258.00	0.62	45.00	1288.20	1290.30	-2.10	18.30	1248.37	1248.80	-0.43	40.00	1262.41	1267.40	-4.99
August, 2024	32.00	1253.62	1258.00	-4.38	45.60	1287.60	1290.30	-2.70	26.30	1240.37	1248.80	-8.43	47.50	1254.91	1267.40	-12.49
10/29/24	29.50	1256.12	1258.00	-1.88	44.10	1289.10	1290.30	-1.20	26.40	1240.27	1248.80	-8.53	38.40	1264.01	1267.40	-3.39
04/16/25	30.80	1254.82	1258.00	-3.18	44.90	1288.30	1290.30	-2.00	24.60	1242.07	1248.80	-6.73	42.30	1260.11	1267.40	-7.29
11/05/25	29.70	1255.92	1258.00	-2.08	44.80	1288.40	1290.30	-1.90	25.30	1241.37	1248.80	-7.43	38.80	1263.61	1267.40	-3.79
minimum	21.73	1252.52		-5.48	44.00	1287.00		-3.30	18.30	1237.77		-11.03	29.63	1251.51		-15.89
maximum	33.10	1263.89		5.89	46.20	1289.20		-1.10	28.90	1248.37		-0.43	50.90	1272.78		5.38
average				-1.11				-2.17				-6.98				-5.29

Well/TOC	MW-16 1330.02				MW-7 1325.79			
	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS	Water Depth	Water Elevation	Top of Screen (TOS) Elevation	above(+)/below(-) TOS
04/04/17	27.57	1302.45	1309.00	-6.55	23.67	1302.12	1303.40	-1.28
10/10/17	24.31	1305.71	1309.00	-3.29	21.40	1304.39	1303.40	0.99
04/11/18	28.13	1301.89	1309.00	-7.11	24.10	1301.69	1303.40	-1.71
10/30/18	20.54	1309.48	1309.00	0.48	17.91	1307.88	1303.40	4.48
04/01/19	26.53	1303.49	1309.00	-5.51	22.49	1303.30	1303.40	-0.10
10/08/19	25.12	1304.90	1309.00	-4.10	21.30	1304.49	1303.40	1.09
04/20/20	26.50	1303.52	1309.00	-5.48	22.30	1303.49	1303.40	0.09
10/20/20	30.80	1299.22	1309.00	-9.78	26.40	1299.39	1303.40	-4.01
04/26/21	29.20	1300.82	1309.00	-8.18	25.30	1300.49	1303.40	-2.91
08/16/21	31.00	1299.02	1309.00	-9.98	27.00	1298.79	1303.40	-4.61
06/01/22	33.20	1296.82	1309.00	-12.18	29.00	1296.79	1303.40	-6.61
10/03/22	33.50	1296.52	1309.00	-12.48	29.20	1296.59	1303.40	-6.81
05/03/23	29.00	1301.02	1309.00	-7.98	25.30	1300.49	1303.40	-2.91
10/11/23	31.70	1298.32	1309.00	-10.68	27.60	1298.19	1303.40	-5.21
05/08/24	22.20	1307.82	1309.00	-1.18	19.20	1306.59	1303.40	3.19
August, 2024	30.50	1299.52	1309.00	-9.48	30.50	1295.29	1303.40	-8.11
10/29/24	29.00	1301.02	1309.00	-7.98	24.60	1301.19	1303.40	-2.21
04/16/25	30.80	1299.22	1309.00	-9.78	28.00	1297.79	1303.40	-5.61
11/05/25	30.00	1300.02	1309.00	-8.98	26.60	1299.19	1303.40	-4.21
minimum	20.54	1296.52		-12.48	17.91	1295.29		-8.11
maximum	33.50	1309.48		0.48	30.50	1307.88		4.48
average				-7.38				-2.45

Table 4B – Water Elevation Summary Prior to 2017

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-7	1325.79	1303.4-1293.4	01/06/11	23.63	1302.16	Within Screen
			02/28/11	22.29	1303.50	Above Screen
			03/21/11	23.40	1302.39	Within Screen
			04/07/11	23.70	1302.09	Within Screen
			05/31/11	22.01	1303.78	Above Screen
			06/27/11	18.94	1306.85	Above Screen
			07/11	18.41	1307.38	Above Screen
			08/11	20.82	1304.97	Above Screen
			09/20/11	21.91	1303.88	Above Screen
			10/27/11	23.79	1302.00	Within Screen
			11/14/11	24.48	1301.31	Within Screen
			01/10/12	26.10	1299.69	Within Screen
			02/17/12	27.01	1298.78	Within Screen
			03/27/12	26.62	1299.17	Within Screen
			04/23/12	27.17	1298.62	Within Screen
			05/03/12	27.25	1298.54	Within Screen
			06/28/12	27.11	1298.68	Within Screen
			07/30/12	27.58	1298.21	Within Screen
			08/28/12	27.84	1297.95	Within Screen
			09/19/12	28.02	1297.77	Within Screen
			10/23/12	28.06	1297.73	Within Screen
			11/20/12	28.82	1296.97	Within Screen
			12/19/12	28.95	1296.84	Within Screen
			01/17/13	29.22	1296.57	Within Screen
			02/27/13	29.41	1296.38	Within Screen
			03/09/13	29.36	1296.43	Within Screen
			04/16/13	27.99	1297.80	Within Screen
			05/23/13	25.67	1300.12	Within Screen
			06/18/13	23.18	1302.61	Within Screen
			07/23/13	24.65	1301.14	Within Screen
			08/28/13	25.01	1300.78	Within Screen
			09/19/13	26.22	1299.57	Within Screen
			10/28/13	26.46	1299.33	Within Screen
			11/27/13	27.25	1298.54	Within Screen
			12/26/13	27.93	1297.86	Within Screen
			1/29/14	28.36	1297.43	Within Screen
			2/27/14	28.82	1296.97	Within Screen
			3/18/14	28.98	1296.81	Within Screen
			4/25/14	29.34	1296.45	Within Screen
			5/14/14	29.34	1296.45	Within Screen
			6/24/14	27.44	1298.35	Within Screen
			7/25/14	24.64	1301.15	Within Screen
			8/22/14	24.45	1301.34	Within Screen
			9/15/14	24.02	1301.77	Within Screen
			10/6/14	24.00	1301.79	Within Screen
			11/3/14	24.75	1301.04	Within Screen
			12/12/14	26.08	1299.71	Within Screen
			1/16/15	26.64	1299.15	Within Screen
			2/26/15	26.29	1299.50	Within Screen
			3/16/15	26.38	1299.41	Within Screen
			4/15/15	26.81	1298.98	Within Screen
			5/21/15	26.87	1298.92	Within Screen
			5/23/15	26.00	1299.79	Within Screen
			7/16/15	24.45	1301.34	Within Screen
			8/20/15	22.51	1303.28	Within Screen
			9/23/15	23.45	1302.34	Within Screen
			10/5/15	23.59	1302.20	Within Screen
			11/10/15	24.78	1301.01	Within Screen
			12/18/15	21.35	1304.44	Above Screen
			1/7/16	20.65	1305.14	Above Screen
			2/23/16	19.75	1306.04	Above Screen
			3/22/16	18.92	1306.87	Above Screen
			4/26/16	18.31	1307.48	Above Screen
			5/18/16	16.37	1309.42	Above Screen
			6/27/16	15.7	1310.09	Above Screen
			7/25/16	17.32	1308.47	Above Screen
			8/1/16	19.45	1306.34	Above Screen
			9/22/16	19.84	1305.95	Above Screen
			10/5/16	20.68	1305.11	Above Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-8	1314.12	1296.7-1286.7	01/06/11	18.56	1295.56	Within Screen
			02/28/11	17.11	1297.01	Above Screen
			03/21/11	17.24	1296.88	Above Screen
			04/07/11	17.69	1296.43	Within Screen
			05/31/11	16.51	1297.61	Above Screen
			06/27/11	14.15	1299.97	Above Screen
			07/11	15.34	1298.78	Above Screen
			08/11	18.00	1296.12	Within Screen
			09/20/11	18.82	1295.30	Within Screen
			10/27/11	19.62	1294.50	Within Screen
			11/14/11	20.00	1294.12	Within Screen
			01/10/12	21.13	1292.99	Within Screen
			02/17/12	21.59	1292.53	Within Screen
			03/27/12	21.68	1292.44	Within Screen
			04/23/12	21.87	1292.25	Within Screen
			05/03/12	21.90	1292.22	Within Screen
			06/28/12	22.13	1291.99	Within Screen
			07/30/12	22.51	1291.61	Within Screen
			08/28/12	22.93	1291.19	Within Screen
			09/19/12	23.24	1290.88	Within Screen
			10/23/12	23.60	1290.52	Within Screen
			11/20/12	23.81	1290.31	Within Screen
			12/19/12	23.96	1290.16	Within Screen
			01/17/13	24.16	1289.96	Within Screen
			02/27/13	24.31	1289.81	Within Screen
			03/09/13	24.36	1289.76	Within Screen
			04/16/13	24.15	1289.97	Within Screen
			05/23/13	22.87	1291.25	Within Screen
			06/18/13	20.86	1293.26	Within Screen
			07/23/13	19.54	1294.58	Within Screen
			08/28/13	19.91	1294.21	Within Screen
			09/19/13	20.35	1293.77	Within Screen
			10/28/13	20.81	1293.31	Within Screen
			11/27/13	21.23	1292.89	Within Screen
			12/26/13	21.57	1292.55	Within Screen
			1/29/14	21.9	1292.22	Within Screen
			2/27/14	22.27	1291.85	Within Screen
			3/18/14	22.71	1291.41	Within Screen
			4/25/14	22.81	1291.31	Within Screen
			5/14/14	22.56	1291.56	Within Screen
			6/24/14	22.38	1291.74	Within Screen
			7/25/14	20.81	1293.31	Within Screen
			8/22/14	20.64	1293.48	Within Screen
			9/15/14	20.87	1293.25	Within Screen
			10/6/14	20.82	1293.30	Within Screen
			11/3/14	20.82	1293.30	Within Screen
			12/12/14	20.97	1293.15	Within Screen
			1/16/15	21.17	1292.95	Within Screen
			2/26/15	21.11	1293.01	Within Screen
			3/16/15	20.97	1293.15	Within Screen
			4/15/15	21.16	1292.96	Within Screen
			5/21/15	21.14	1292.98	Within Screen
			5/23/15	21	1293.12	Within Screen
			7/16/15	21.32	1292.80	Within Screen
			8/20/15	21.67	1292.45	Within Screen
			9/23/15	20.85	1293.27	Within Screen
			10/5/15	20.65	1293.47	Within Screen
			11/10/15	20.44	1293.68	Within Screen
			12/18/15	19.75	1294.37	Within Screen
			1/7/16	18.82	1295.30	Within Screen
			2/23/16	17.89	1296.23	Within Screen
			3/22/16	15.63	1298.49	Above Screen
			4/26/16	14.83	1299.29	Above Screen
			5/18/16	13.53	1300.59	Above Screen
			6/27/16	14.37	1299.75	Above Screen
			7/25/16	16.04	1298.08	Above Screen
			8/1/16	17.22	1296.90	Above Screen
			9/22/16	17.54	1296.58	Within Screen
			10/5/16	17.64	1296.48	Within Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-9	1291.83	1277.1-1267.1	01/06/11	22.68	1269.15	Within Screen
			02/28/11	20.41	1271.42	Within Screen
			03/21/11	20.77	1271.06	Within Screen
			04/07/11	20.55	1271.28	Within Screen
			05/31/11	15.48	1276.35	Within Screen
			06/27/11	14.01	1277.82	Above Screen
			07/11	16.75	1275.08	Within Screen
			08/11	21.81	1270.02	Within Screen
			09/20/11	22.65	1269.18	Within Screen
			10/27/11	23.46	1268.37	Within Screen
			11/14/11	23.69	1268.14	Within Screen
			01/10/12	24.34	1267.49	Within Screen
			02/17/12	24.85	1266.98	Below Screen
			03/27/12	25.15	1266.68	Below Screen
			04/23/12	25.20	1266.63	Below Screen
			05/03/12	Dry	NC	Below Screen
			06/28/12	Dry	NC	Below Screen
			07/30/12	Dry	NC	Below Screen
			08/28/12	Dry	NC	Below Screen
			09/19/12	Dry	NC	Below Screen
			10/23/12	Dry	NC	Below Screen
			11/20/12	Dry	NC	Below Screen
			12/19/12	Dry	NC	Below Screen
			01/17/13	Dry	NC	Below Screen
			02/27/13	Dry	NC	Below Screen
			03/09/13	Dry	NC	Below Screen
			04/16/13	Dry	NC	Below Screen
			05/23/13	22.65	1269.18	Within Screen
			06/18/13	16.96	1274.87	Within Screen
			07/23/13	21.44	1270.39	Within Screen
			08/28/13	23.15	1268.68	Within Screen
			09/19/13	23.79	1268.04	Within Screen
			10/28/13	24.21	1267.62	Within Screen
			11/27/13	24.69	1267.14	Within Screen
			12/26/13	25.1	1266.73	Below Screen
			1/29/14	Dry	NC	Below Screen
			2/27/14	Dry	NC	Below Screen
			3/18/14	Dry	NC	Below Screen
			4/25/14	Dry	NC	Below Screen
			5/14/14	Dry	NC	Below Screen
			6/24/14	24.3	1267.53	Within Screen
			7/25/14	23.48	1268.35	Within Screen
			8/22/14	23.88	1267.95	Within Screen
			9/15/14	24.02	1267.81	Within Screen
			10/6/14	23.98	1267.85	Within Screen
			11/3/14	24.11	1267.72	Within Screen
			12/12/14	20.97	1270.86	Within Screen
			1/16/15	25.35	1266.48	Below Screen
			2/26/15	Dry	NC	Below Screen
			3/16/15	Dry	NC	Below Screen
			4/15/15	Dry	NC	Below Screen
			5/21/15	Dry	NC	Below Screen
			5/23/15	Dry	NC	Below Screen
			7/16/15	24.6	1267.23	Within Screen
			8/20/15	24.2	1267.63	Within Screen
			9/23/15	23.64	1268.19	Within Screen
			10/5/15	23.65	1268.18	Within Screen
			11/10/15	23.72	1268.11	Within Screen
			12/18/15	16.45	1275.38	Within Screen
			1/7/16	17.25	1274.58	Within Screen
			2/23/16	14.62	1277.21	Above Screen
			3/22/16	14.10	1277.73	Above Screen
			4/26/16	13.57	1278.26	Above Screen
			5/18/16	13.97	1277.86	Above Screen
			6/27/16	16.65	1275.18	Within Screen
			7/25/16	20.38	1271.45	Within Screen
			8/1/16	22.17	1269.66	Within Screen
			9/22/16	22.65	1269.18	Within Screen
			10/5/16	23.57	1268.26	Within Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-10	1264.66	1242.0-1232.0	01/06/11	27.36	1237.30	Within Screen
			02/28/11	26.70	1237.96	Within Screen
			03/21/11	27.19	1237.47	Within Screen
			04/07/11	27.58	1237.08	Within Screen
			05/31/11	25.60	1239.06	Within Screen
			06/27/11	22.92	1241.74	Within Screen
			07/11	23.52	1241.14	Within Screen
			08/11	26.23	1238.43	Within Screen
			09/20/11	27.12	1237.54	Within Screen
			10/27/11	27.94	1236.72	Within Screen
			11/14/11	28.17	1236.49	Within Screen
			01/10/12	28.89	1235.77	Within Screen
			02/17/12	29.25	1235.41	Within Screen
			03/27/12	29.09	1235.57	Within Screen
			04/23/12	29.38	1235.28	Within Screen
			05/03/12	29.41	1235.25	Within Screen
			06/28/12	29.14	1235.52	Within Screen
			07/30/12	29.64	1235.02	Within Screen
			08/28/12	30.15	1234.51	Within Screen
			09/19/12	30.45	1234.21	Within Screen
			10/23/12	30.67	1233.99	Within Screen
			11/20/12	30.83	1233.83	Within Screen
			12/19/12	30.99	1233.67	Within Screen
			01/17/13	31.12	1233.54	Within Screen
			02/27/13	31.33	1233.33	Within Screen
			03/09/13	31.33	1233.33	Within Screen
			04/16/13	30.76	1233.90	Within Screen
			05/23/13	30.34	1234.32	Within Screen
			06/18/13	28.38	1236.28	Within Screen
			07/23/13	28.88	1235.78	Within Screen
			08/28/13	29.53	1235.13	Within Screen
			09/19/13	29.67	1234.99	Within Screen
			10/28/13	30.58	1234.08	Within Screen
			11/27/13	30.82	1233.84	Within Screen
			12/26/13	31.05	1233.61	Within Screen
			1/29/14	31.20	1233.46	Within Screen
			2/27/14	31.36	1233.30	Within Screen
			3/18/14	31.33	1233.33	Within Screen
			4/25/14	31.41	1233.25	Within Screen
			5/14/14	31.48	1233.18	Within Screen
			6/24/14	29.41	1235.25	Within Screen
			7/25/14	28.64	1236.02	Within Screen
			8/22/14	28.82	1235.84	Within Screen
			9/15/14	28.91	1235.75	Within Screen
			10/6/14	28.87	1235.79	Within Screen
			11/3/14	29.08	1235.58	Within Screen
			12/12/14	29.30	1235.36	Within Screen
			1/16/15	29.48	1235.18	Within Screen
			2/26/15	29.31	1235.35	Within Screen
			3/16/15	29.42	1235.24	Within Screen
			4/15/15	29.55	1235.11	Within Screen
			5/21/15	29.62	1235.04	Within Screen
			5/23/15	29.20	1235.46	Within Screen
			7/16/15	28.85	1235.81	Within Screen
			8/20/15	28.21	1236.45	Within Screen
			9/23/15	28.64	1236.02	Within Screen
			10/5/15	28.58	1236.08	Within Screen
			11/10/15	28.79	1235.87	Within Screen
			12/18/15	26.47	1238.19	Within Screen
			1/7/16	26.11	1238.55	Within Screen
			2/23/16	25.00	1239.66	Within Screen
			3/22/16	24.34	1240.32	Within Screen
			4/26/16	23.24	1241.42	Within Screen
			5/18/16	22.32	1242.34	Above Screen
			6/27/16	22.80	1241.86	Within Screen
			7/25/16	24.45	1240.21	Within Screen
			8/1/16	26.35	1238.31	Within Screen
			9/22/16	26.91	1237.75	Within Screen
			10/5/16	27.17	1237.49	Within Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-11	1285.62	1258.0-1248.0	01/06/11	24.83	1260.79	Above Screen
			02/28/11	24.40	1261.22	Above Screen
			03/21/11	24.61	1261.01	Above Screen
			04/07/11	23.18	1262.44	Above Screen
			05/31/11	22.51	1263.11	Above Screen
			06/27/11	19.85	1265.77	Above Screen
			07/11	19.66	1265.96	Above Screen
			08/11	21.92	1263.70	Above Screen
			09/20/11	22.93	1262.69	Above Screen
			10/27/11	24.61	1261.01	Above Screen
			11/14/11	25.30	1260.32	Above Screen
			01/10/12	27.26	1258.36	Above Screen
			02/17/12	28.35	1257.27	Within Screen
			03/27/12	29.00	1256.62	Within Screen
			04/23/12	29.34	1256.28	Within Screen
			05/03/12	29.43	1256.19	Within Screen
			06/28/12	29.32	1256.30	Within Screen
			07/30/12	29.84	1255.78	Within Screen
			08/28/12	30.34	1255.28	Within Screen
			09/19/12	30.74	1254.88	Within Screen
			10/23/12	31.17	1254.45	Within Screen
			11/20/12	31.46	1254.16	Within Screen
			12/19/12	31.71	1253.91	Within Screen
			01/17/13	31.92	1253.70	Within Screen
			02/27/13	32.12	1253.50	Within Screen
			03/09/13	32.18	1253.44	Within Screen
			04/16/13	32.27	1253.35	Within Screen
			05/23/13	30.53	1255.09	Within Screen
			06/18/13	27.43	1258.19	Above Screen
			07/23/13	27.35	1258.27	Above Screen
			08/28/13	28.27	1257.35	Within Screen
			09/19/13	29.87	1255.75	Within Screen
			10/28/13	29.76	1255.86	Within Screen
			11/27/13	30.31	1255.31	Within Screen
			12/26/13	30.7	1254.92	Within Screen
			1/29/14	31.05	1254.57	Within Screen
			2/27/14	31.42	1254.20	Within Screen
			3/18/14	31.59	1254.03	Within Screen
			4/25/14	31.82	1253.80	Within Screen
			5/14/14	31.88	1253.74	Within Screen
			6/24/14	30.93	1254.69	Within Screen
			7/25/14	27.8	1257.82	Within Screen
			8/22/14	27.57	1258.05	Above Screen
			9/15/14	26.77	1258.85	Above Screen
			10/6/14	26.69	1258.93	Above Screen
			11/3/14	27.38	1258.24	Above Screen
			12/12/14	28.58	1257.04	Within Screen
			1/16/15	29.13	1256.49	Within Screen
			2/26/15	28.97	1256.65	Within Screen
			3/16/15	29.33	1256.29	Within Screen
			4/15/15	29.36	1256.26	Within Screen
			5/21/15	29.11	1256.51	Within Screen
			5/23/15	28.61	1257.01	Within Screen
			7/16/15	28.72	1256.90	Within Screen
			8/20/15	28.8	1256.82	Within Screen
			9/23/15	27.77	1257.85	Within Screen
			10/5/15	27.38	1258.24	Above Screen
			11/10/15	27.93	1257.69	Within Screen
			12/18/15	25.26	1260.36	Above Screen
			1/7/16	24.00	1261.62	Above Screen
			2/23/16	23.22	1262.40	Above Screen
			3/22/16	21.53	1264.09	Above Screen
			4/26/16	19.62	1266.00	Above Screen
			5/18/16	18.13	1267.49	Above Screen
			6/27/16	18.28	1267.34	Above Screen
			7/25/16	19.92	1265.70	Above Screen
			8/1/16	22.16	1263.46	Above Screen
			9/22/16	22.59	1263.03	Above Screen
			10/5/16	23.57	1262.05	Above Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-12	1333.20	1290.3-1280.3	01/06/11	44.04	1289.16	Within Screen
			02/28/11	44.27	1288.93	Within Screen
			03/21/11	44.22	1288.98	Within Screen
			04/07/11	44.37	1288.83	Within Screen
			05/31/11	44.29	1288.91	Within Screen
			06/27/11	44.32	1288.88	Within Screen
			07/11	44.31	1288.89	Within Screen
			08/11	43.33	1289.87	Within Screen
			09/20/11	43.51	1289.69	Within Screen
			10/27/11	43.91	1289.29	Within Screen
			11/14/11	44.06	1289.14	Within Screen
			01/10/12	44.49	1288.71	Within Screen
			02/17/12	44.72	1288.48	Within Screen
			03/27/12	44.90	1288.30	Within Screen
			04/23/12	45.05	1288.15	Within Screen
			05/03/12	45.05	1288.15	Within Screen
			06/28/12	45.22	1287.98	Within Screen
			07/30/12	45.23	1287.97	Within Screen
			08/28/12	45.33	1287.87	Within Screen
			09/19/12	45.38	1287.82	Within Screen
			10/23/12	45.46	1287.74	Within Screen
			11/20/12	45.52	1287.68	Within Screen
			12/19/12	45.61	1287.59	Within Screen
			01/17/13	45.60	1287.60	Within Screen
			02/27/13	45.79	1287.41	Within Screen
			03/09/13	45.65	1287.55	Within Screen
			04/16/13	45.73	1287.47	Within Screen
			05/23/13	45.51	1287.69	Within Screen
			06/18/13	45.18	1288.02	Within Screen
			07/23/13	44.98	1288.22	Within Screen
			08/28/13	44.93	1288.27	Within Screen
			09/19/13	44.98	1288.22	Within Screen
			10/28/13	45.05	1288.15	Within Screen
			11/27/13	45.17	1288.03	Within Screen
			12/26/13	45.21	1287.99	Within Screen
			1/29/14	45.31	1287.89	Within Screen
			2/27/14	45.45	1287.75	Within Screen
			3/18/14	45.52	1287.68	Within Screen
			4/25/14	45.05	1288.15	Within Screen
			5/14/14	45.58	1287.62	Within Screen
			6/24/14	45.55	1287.65	Within Screen
			7/25/14	45.22	1287.98	Within Screen
			8/22/14	45.18	1288.02	Within Screen
			9/15/14	45.00	1288.20	Within Screen
			10/6/14	45.01	1288.19	Within Screen
			11/3/15	44.97	1288.23	Within Screen
			12/12/14	45.06	1288.14	Within Screen
			1/16/15	45.19	1288.01	Within Screen
			2/26/15	45.23	1287.97	Within Screen
			3/16/15	45.20	1288.00	Within Screen
			4/15/15	45.22	1287.98	Within Screen
			5/21/15	45.22	1287.98	Within Screen
			5/23/15	45.20	1288.00	Within Screen
			7/16/15	45.20	1288.00	Within Screen
			8/20/15	45.25	1287.95	Within Screen
			9/23/15	45.00	1288.20	Within Screen
			10/5/15	45.00	1288.20	Within Screen
			11/10/15	45.00	1288.20	Within Screen
			12/18/15	44.81	1288.39	Within Screen
			1/7/16	44.69	1288.51	Within Screen
			2/23/16	44.31	1288.89	Within Screen
			3/22/16	43.85	1289.35	Within Screen
			4/26/16	43.61	1289.59	Within Screen
			5/18/16	43.13	1290.07	Within Screen
			6/27/16	42.24	1290.96	Above Screen
			7/25/16	43.10	1290.10	Within Screen
			8/1/16	42.82	1290.38	Above Screen
			9/22/16	43.07	1290.13	Within Screen
			10/5/16	43.12	1290.08	Within Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-13	1266.67	1244.8-1229.8	01/06/11	22.70	1243.97	Within Screen
			02/28/11	21.53	1245.14	Above Screen
			03/21/11	21.69	1244.98	Above Screen
			04/07/11	21.80	1244.87	Above Screen
			05/31/11	20.15	1246.52	Above Screen
			06/27/11	18.94	1247.73	Above Screen
			07/11	19.91	1246.76	Above Screen
			08/11	23.62	1243.05	Within Screen
			09/20/11	24.40	1242.27	Within Screen
			10/27/11	25.04	1241.63	Within Screen
			11/14/11	22.27	1244.40	Within Screen
			01/10/12	25.61	1241.06	Within Screen
			02/17/12	26.27	1240.40	Within Screen
			03/27/12	25.37	1241.30	Within Screen
			04/23/12	25.80	1240.87	Within Screen
			05/03/12	25.87	1240.80	Within Screen
			06/28/12	25.95	1240.72	Within Screen
			07/30/12	26.83	1239.84	Within Screen
			08/28/12	27.44	1239.23	Within Screen
			09/19/12	27.79	1238.88	Within Screen
			10/23/12	28.07	1238.60	Within Screen
			11/20/12	28.23	1238.44	Within Screen
			12/19/12	28.42	1238.25	Within Screen
			01/17/13	28.61	1238.06	Within Screen
			02/27/13	28.72	1237.95	Within Screen
			03/09/13	28.75	1237.92	Within Screen
			04/16/13	27.21	1239.46	Within Screen
			05/23/13	27.11	1239.56	Within Screen
			06/18/13	23.84	1242.83	Within Screen
			07/23/13	26.43	1240.24	Within Screen
			08/28/13	26.51	1240.16	Within Screen
			09/19/13	27.01	1239.66	Within Screen
			10/28/13	27.63	1239.04	Within Screen
			11/27/13	28.07	1238.60	Within Screen
			12/26/13	28.28	1238.39	Within Screen
			1/29/14	28.51	1238.16	Within Screen
			2/27/14	28.65	1238.02	Within Screen
			3/18/14	28.39	1238.28	Within Screen
			4/25/14	28.38	1238.29	Within Screen
			5/14/14	28.72	1237.95	Within Screen
			6/24/14	24.89	1241.78	Within Screen
			7/25/14	26.27	1240.40	Within Screen
			8/22/14	26.63	1240.04	Within Screen
			9/15/14	26.08	1240.59	Within Screen
			10/6/14	25.71	1240.96	Within Screen
			11/3/15	26.07	1240.60	Within Screen
			12/12/14	26.48	1240.19	Within Screen
			1/16/15	26.46	1240.21	Within Screen
			2/26/15	26.00	1240.67	Within Screen
			3/16/15	26.31	1240.36	Within Screen
			4/15/15	25.92	1240.75	Within Screen
			5/21/15	25.9	1240.77	Within Screen
			5/23/15	24.67	1242.00	Within Screen
			7/16/15	23.86	1242.81	Within Screen
			8/20/15	23.3	1243.37	Within Screen
			9/23/15	25.58	1241.09	Within Screen
			10/5/15	25.26	1241.41	Within Screen
			11/10/15	25	1241.67	Within Screen
			12/18/15	18.93	1247.74	Above Screen
			1/7/16	20.91	1245.76	Above Screen
			2/23/16	17.49	1249.18	Above Screen
			3/22/16	16.31	1250.36	Above Screen
			4/26/16	15.68	1250.99	Above Screen
			5/18/16	17.52	1249.15	Above Screen
			6/27/16	19.55	1247.12	Above Screen
			7/25/16	22.13	1244.54	Within Screen
			8/1/16	23.86	1242.81	Within Screen
			9/22/16	23.71	1242.96	Within Screen
			10/5/16	24.43	1242.24	Within Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-14	1302.41	1267.4-1252.4	01/06/11	35.22	1267.19	Within Screen
			02/28/11	35.59	1266.82	Within Screen
			03/21/11	35.42	1266.99	Within Screen
			04/07/11	35.70	1266.71	Within Screen
			05/31/11	34.38	1268.03	Above Screen
			06/27/11	30.11	1272.30	Above Screen
			07/11	28.22	1274.19	Above Screen
			08/11	30.85	1271.56	Above Screen
			09/20/11	31.91	1270.50	Above Screen
			10/27/11	33.93	1268.48	Above Screen
			11/14/11	34.72	1267.69	Above Screen
			01/10/12	36.85	1265.56	Within Screen
			02/17/12	38.14	1264.27	Within Screen
			03/27/12	38.77	1263.64	Within Screen
			04/23/12	40.06	1262.35	Within Screen
			05/03/12	40.74	1261.67	Within Screen
			06/28/12	42.00	1260.41	Within Screen
			07/30/12	42.48	1259.93	Within Screen
			08/28/12	43.00	1259.41	Within Screen
			09/19/12	43.55	1258.86	Within Screen
			10/23/12	44.45	1257.96	Within Screen
			11/20/12	45.21	1257.20	Within Screen
			12/19/12	45.63	1256.78	Within Screen
			01/17/13	46.14	1256.27	Within Screen
			02/27/13	46.46	1255.95	Within Screen
			03/09/13	46.63	1255.78	Within Screen
			04/16/13	46.98	1255.43	Within Screen
			05/23/13	46.68	1255.73	Within Screen
			06/18/13	43.66	1258.75	Within Screen
			07/23/13	41.23	1261.18	Within Screen
			08/28/13	41.49	1260.92	Within Screen
			09/19/13	41.79	1260.62	Within Screen
			10/28/13	42.90	1259.51	Within Screen
			11/27/13	43.82	1258.59	Within Screen
			12/26/13	44.34	1258.07	Within Screen
			1/29/14	44.74	1257.67	Within Screen
			2/27/14	45.40	1257.01	Within Screen
			3/18/14	45.62	1256.79	Within Screen
			4/25/14	46.34	1256.07	Within Screen
			5/14/14	46.7	1255.71	Within Screen
			6/24/14	46.78	1255.63	Within Screen
			7/25/14	43.35	1259.06	Within Screen
			8/22/14	42.02	1260.39	Within Screen
			9/15/14	41.11	1261.30	Within Screen
			10/6/14	40.55	1261.86	Within Screen
			11/3/14	40.67	1261.74	Within Screen
			12/12/14	41.43	1260.98	Within Screen
			1/16/15	41.76	1260.65	Within Screen
			2/26/15	41.87	1260.54	Within Screen
			3/16/15	42.32	1260.09	Within Screen
			4/15/15	42.70	1259.71	Within Screen
			5/21/15	42.75	1259.66	Within Screen
			5/23/15	42.36	1260.05	Within Screen
			7/16/15	42.10	1260.31	Within Screen
			8/20/15	41.50	1260.91	Within Screen
			9/23/15	39.94	1262.47	Within Screen
			10/5/15	39.39	1263.02	Within Screen
			11/10/15	39.58	1262.83	Within Screen
			12/18/15	37.60	1264.81	Within Screen
			1/7/16	34.51	1267.90	Above Screen
			2/23/16	33.07	1269.34	Above Screen
			3/22/16	30.12	1272.29	Above Screen
			4/26/16	28.93	1273.48	Above Screen
			5/18/16	26.73	1275.68	Above Screen
			6/27/16	26.22	1276.19	Above Screen
			7/25/16	27.56	1274.85	Above Screen
			8/1/16	30.00	1272.41	Above Screen
			9/22/16	31.16	1271.25	Above Screen
			10/5/16	31.80	1270.61	Above Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-15	1322.16	1294.4-1279.4	01/06/11	33.70	1288.46	Within Screen
			02/28/11	33.40	1288.76	Within Screen
			03/21/11	33.40	1288.76	Within Screen
			04/07/11	33.40	1288.76	Within Screen
			05/31/11	33.25	1288.91	Within Screen
			06/27/11	32.93	1289.23	Within Screen
			07/11	32.31	1289.85	Within Screen
			08/11	32.53	1289.63	Within Screen
			09/20/11	32.82	1289.34	Within Screen
			10/27/11	33.11	1289.05	Within Screen
			11/14/11	33.25	1288.91	Within Screen
			01/10/12	33.58	1288.58	Within Screen
			02/17/12	33.81	1288.35	Within Screen
			03/27/12	33.98	1288.18	Within Screen
			04/23/12	34.00	1288.16	Within Screen
			05/03/12	34.05	1288.11	Within Screen
			06/28/12	34.12	1288.04	Within Screen
			07/30/12	34.15	1288.01	Within Screen
			08/28/12	34.18	1287.98	Within Screen
			09/19/12	34.28	1287.88	Within Screen
			10/23/12	34.29	1287.87	Within Screen
			11/20/12	34.25	1287.91	Within Screen
			12/19/12	34.39	1287.77	Within Screen
			01/17/13	34.42	1287.74	Within Screen
			02/27/13	34.49	1287.67	Within Screen
			03/09/13	34.52	1287.64	Within Screen
			04/16/13	34.54	1287.62	Within Screen
			05/23/13	33.88	1288.28	Within Screen
			06/18/13	33.45	1288.71	Within Screen
			07/23/13	33.68	1288.48	Within Screen
			08/28/13	33.77	1288.39	Within Screen
			09/19/13	33.02	1289.14	Within Screen
			10/28/13	33.88	1288.28	Within Screen
			11/27/13	34.06	1288.10	Within Screen
			12/26/13	34.11	1288.05	Within Screen
			1/29/14	34.21	1287.95	Within Screen
			2/27/14	34.33	1287.83	Within Screen
			3/18/14	34.38	1287.78	Within Screen
			4/25/14	34.29	1287.87	Within Screen
			5/14/14	34.35	1287.81	Within Screen
			6/24/14	34.22	1287.94	Within Screen
			7/25/14	33.68	1288.48	Within Screen
			8/22/14	33.56	1288.60	Within Screen
			9/15/14	33.93	1288.23	Within Screen
			10/6/14	33.67	1288.49	Within Screen
			11/3/14	33.76	1288.40	Within Screen
			12/12/14	33.85	1288.31	Within Screen
			1/16/15	34.05	1288.11	Within Screen
			2/26/15	31.75	1290.41	Within Screen
			3/16/15	33.63	1288.53	Within Screen
			4/15/15	33.07	1289.09	Within Screen
			5/21/15	33.76	1288.40	Within Screen
			5/23/15	33.67	1288.49	Within Screen
			7/16/15	33.51	1288.65	Within Screen
			8/20/15	33.43	1288.73	Within Screen
			9/23/15	33.57	1288.59	Within Screen
			10/5/15	33.49	1288.67	Within Screen
			11/10/15	33.77	1288.39	Within Screen
			12/18/15	33.55	1288.61	Within Screen
			1/7/16	33.49	1288.67	Within Screen
			2/23/16	33.2	1288.96	Within Screen
			3/22/16	32.14	1290.02	Within Screen
			4/26/16	30.95	1291.21	Within Screen
			5/18/16	31.22	1290.94	Within Screen
			6/27/16	31.12	1291.04	Within Screen
			7/25/16	30.86	1291.30	Within Screen
			8/1/16	31.39	1290.77	Within Screen
			9/22/16	30.95	1291.21	Within Screen
			10/5/16	32.22	1289.94	Within Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-16	1330.02	1309.0-1294.0	01/06/11	27.89	1302.13	Within Screen
			02/28/11	25.57	1304.45	Within Screen
			03/21/11	27.23	1302.79	Within Screen
			04/07/11	28.25	1301.77	Within Screen
			05/31/11	24.70	1305.32	Within Screen
			06/27/11	20.84	1309.18	Above Screen
			07/11	20.54	1309.48	Above Screen
			08/11	24.91	1305.11	Within Screen
			09/20/11	25.93	1304.09	Within Screen
			10/27/11	28.09	1301.93	Within Screen
			11/14/11	28.77	1301.25	Within Screen
			01/10/12	30.40	1299.62	Within Screen
			02/17/12	31.31	1298.71	Within Screen
			03/27/12	30.77	1299.25	Within Screen
			04/23/12	31.45	1298.57	Within Screen
			05/03/12	31.43	1298.59	Within Screen
			06/28/12	31.15	1298.87	Within Screen
			07/30/12	31.74	1298.28	Within Screen
			08/28/12	32.06	1297.96	Within Screen
			09/19/12	32.30	1297.72	Within Screen
			10/23/12	32.64	1297.38	Within Screen
			11/20/12	32.95	1297.07	Within Screen
			12/19/12	33.12	1296.90	Within Screen
			01/17/13	33.34	1296.68	Within Screen
			02/27/13	33.52	1296.50	Within Screen
			03/09/13	33.50	1296.52	Within Screen
			04/16/13	32.12	1297.90	Within Screen
			05/23/13	29.83	1300.19	Within Screen
			06/18/13	26.85	1303.17	Within Screen
			07/23/13	28.75	1301.27	Within Screen
			08/28/13	29.15	1300.87	Within Screen
			09/19/13	29.73	1300.29	Within Screen
			10/28/13	30.47	1299.55	Within Screen
			11/27/13	31.53	1298.49	Within Screen
			12/26/13	32.17	1297.85	Within Screen
			1/29/14	32.65	1297.37	Within Screen
			2/27/14	33.1	1296.92	Within Screen
			3/18/14	33.22	1296.80	Within Screen
			4/25/14	33.41	1296.61	Within Screen
			5/14/14	33.57	1296.45	Within Screen
			6/24/14	30.82	1299.20	Within Screen
			7/25/14	28	1302.02	Within Screen
			8/22/14	28.33	1301.69	Within Screen
			9/15/14	27.97	1302.05	Within Screen
			10/6/14	28.05	1301.97	Within Screen
			11/3/14	28.93	1301.09	Within Screen
			12/12/14	30.22	1299.80	Within Screen
			1/16/15	30.67	1299.35	Within Screen
			2/26/15	30.15	1299.87	Within Screen
			3/16/15	30.22	1299.80	Within Screen
			4/15/15	30.63	1299.39	Within Screen
			5/21/15	30.83	1299.19	Within Screen
			5/23/15	29.7	1300.32	Within Screen
			7/16/15	27.95	1302.07	Within Screen
			8/20/15	26	1304.02	Within Screen
			9/23/15	27.43	1302.59	Within Screen
			10/5/2015	27.5	1302.52	Within Screen
			11/10/15	28.78	1301.24	Within Screen
			12/18/15	24.22	1305.80	Within Screen
			1/7/16	23.33	1306.69	Within Screen
			2/23/16	22.84	1307.18	Within Screen
			3/22/16	21.78	1308.24	Within Screen
			4/26/16	21	1309.02	Above Screen
			5/18/16	18	1312.02	Above Screen
			6/27/16	18.1	1311.92	Above Screen
			7/25/16	20.68	1309.34	Above Screen
			8/1/16	23.55	1306.47	Within Screen
			9/22/16	23.96	1306.06	Within Screen
			10/5/16	24.81	1305.21	Within Screen

TABLE 4B
Plymouth County Landfill
Terracon Project No. 08167143
Groundwater Elevation Measurements

Well ID	TOC Elevation	Screened Interval Elevation	Date	Depth to Water Measurement	Groundwater Elevation	Water Table Evaluation
MW-17	1319.12	1301.1-1286.1	01/06/11	17.79	1301.33	Above Screen
			02/28/11	15.88	1303.24	Above Screen
			03/21/11	16.14	1302.98	Above Screen
			04/07/11	17.23	1301.89	Above Screen
			05/31/11	14.13	1304.99	Above Screen
			06/27/11	11.87	1307.25	Above Screen
			07/11	14.21	1304.91	Above Screen
			08/11	16.93	1302.19	Above Screen
			09/20/11	17.81	1301.31	Above Screen
			10/27/11	18.86	1300.26	Within Screen
			11/14/11	19.23	1299.89	Within Screen
			01/10/12	20.25	1298.87	Within Screen
			02/17/12	20.79	1298.33	Within Screen
			03/27/12	20.46	1298.66	Within Screen
			04/23/12	20.08	1299.04	Within Screen
			05/03/12	20.87	1298.25	Within Screen
			06/28/12	20.57	1298.55	Within Screen
			07/30/12	20.97	1298.15	Within Screen
			08/28/12	21.40	1297.72	Within Screen
			09/19/12	21.77	1297.35	Within Screen
			10/23/12	22.19	1296.93	Within Screen
			11/20/12	22.56	1296.56	Within Screen
			12/19/12	22.92	1296.20	Within Screen
			01/17/13	23.25	1295.87	Within Screen
			02/27/13	23.62	1295.50	Within Screen
			03/09/13	23.69	1295.43	Within Screen
			04/16/13	23.48	1295.64	Within Screen
			05/23/13	20.17	1298.95	Within Screen
			06/18/13	15.48	1303.64	Above Screen
			07/23/13	17.71	1301.41	Above Screen
			08/28/13	18.88	1300.24	Within Screen
			09/19/13	19.42	1299.70	Within Screen
			10/28/13	20.11	1299.01	Within Screen
			11/27/13	20.86	1298.26	Within Screen
			12/26/13	21.4	1297.72	Within Screen
			1/29/14	21.85	1297.27	Within Screen
			2/27/14	22.35	1296.77	Within Screen
			3/18/14	22.75	1296.37	Within Screen
			4/25/14	23.05	1296.07	Within Screen
			5/14/14	23.23	1295.89	Within Screen
			6/24/14	20.73	1298.39	Within Screen
			7/25/14	17.34	1301.78	Above Screen
			8/22/14	18.3	1300.82	Within Screen
			9/15/14	18.2	1300.92	Within Screen
			10/6/14	18.15	1300.97	Within Screen
			11/3/14	18.42	1300.70	Within Screen
			12/12/14	19.3	1299.82	Within Screen
			1/16/15	19.77	1299.35	Within Screen
			2/26/15	19.05	1300.07	Within Screen
			3/16/15	18.59	1300.53	Within Screen
			4/15/15	19.01	1300.11	Within Screen
			5/21/15	19.42	1299.70	Within Screen
			5/23/15	19.36	1299.76	Within Screen
			7/16/15	19.2	1299.92	Within Screen
			8/20/15	19.12	1300.00	Within Screen
			9/23/15	17.27	1301.85	Above Screen
			10/5/15	17.61	1301.51	Above Screen
			11/10/15	18.30	1300.82	Within Screen
			12/18/15	15.1	1304.02	Above Screen
			1/7/16	15.6	1303.52	Above Screen
			2/23/16	14.2	1304.92	Above Screen
			3/22/16	13.95	1305.17	Above Screen
			4/26/16	13.34	1305.78	Above Screen
			5/18/16	12.24	1306.88	Above Screen
			6/27/16	12.95	1306.17	Above Screen
			7/25/16	15.05	1304.07	Above Screen
			8/1/16	16.56	1302.56	Above Screen
			9/22/16	16.24	1302.88	Above Screen
			10/5/16	16.62	1302.50	Above Screen

Notes

- (1) Measurements are reported in feet.
- (2) TOC = Top of Casing
- (3) NC = Not Calculated

Table 4C – Flow Rate Evaluation

Table 4C
Flow Rate Assessment
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Flow Rate August 2021 (L/min)	Flow Rate May 2023 (L/min)	Flow Rate October 2023 (L/min)	Flow Rate May 2024 (L/min)
MW-17	7.50	5.68	7.57	9.29
MW-8	2.80	3.10	7.57	3.79
MW-9	NT	dry	dry	2.76
MW-10	3.10	1.72	1.89	2.74
MW-11	6.30	2.09	11.36	6.11
MW-12	0.40	3.03	6.06	4.34
MW-13	3.30	1.79	6.81	4.09
MW-14	1.80	0.95	3.79	2.06
MW-16	4.50	2.84	3.79	2.88
MW-7	4.30	6.31	7.57	3.46

NT = not tested

Table 5 – Background and GWPS Summary

Table 5
Background and GWPS Summary
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Interwell Background Wells (MW-17)

Inorganics - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
Ammonia as N	mg/L	nonparametric	59	0			0.2000	0.99	30	SS
COD	mg/L	nonparametric	57	14			21.2000	0.99	--	SS
Chloride	mg/L	nonparametric	59	6			7.3000	0.99	--	SS
Iron, dissolved	µg/l	nonparametric	59	0			100.0000	0.99	--	SS
pH	SU	normal	57	57	7.1577	0.3891	6.11-8.20		5-9	SS
Phenols	mg/L	nonparametric	27	0			0.0200	0.98	--	SS
Specific Conductance	umhos/cm	normal	56	56	7.3.8036	202.602	1193.5613		--	SS
TOX	µg/l	nonparametric	27	1			11.4000	0.98	--	SS
VOC - Appendix I										
Constituent	Units	Model Type	Samples - N	Detections	Mean	SD	Prediction Limit	Confidence	GWPS	Source
All	µg/l	DQR	57	0	<1	<1	<1	<1	various	SS

= Prediction limit exceeds the GWPS. A Site-Specific GWPS is warranted

Table 6 – Summary of Current Year Exceedances

Table 6
Summary of Well/Detected Constituent Pairs that Exceed the Background Standard
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Well	System	Constituent	Date	Units	Result	Background Standard	GWPS
MW-7	Water Table	1,2-dichloroethane	4/16/2025	ug/L	1.24	1.0	5
MW-7	Water Table	1,2-dichloroethane	11/5/2025	ug/L	1.07	1.0	5
MW-7	Water Table	1,2-dichloropropane	4/16/2025	ug/L	8.35	1.0	5
MW-7	Water Table	1,2-dichloropropane	11/5/2025	ug/L	7.36	1.0	5
MW-7	Water Table	benzene	4/16/2025	ug/L	0.872	0.5	5
MW-7	Water Table	benzene	11/5/2025	ug/L	0.783	0.5	5
MW-7	Water Table	cis-1,2-dichloroethene	4/16/2025	ug/L	175.0	1.0	70
MW-7	Water Table	cis-1,2-dichloroethene	11/5/2025	ug/L	171.0	1.0	70
MW-7	Water Table	PCE	4/16/2025	ug/L	1.24	1.0	5
MW-7	Water Table	TCE	4/16/2025	ug/L	14.0	1.0	5
MW-7	Water Table	TCE	11/5/2025	ug/L	10.00	1.0	5
MW-7	Water Table	vinyl chloride	4/16/2025	ug/L	8.95	1.0	2
MW-7	Water Table	vinyl chloride	11/5/2025	ug/L	5.79	1.0	2
MW-8	Water Table	cis-1,2-dichloroethene	4/16/2025	ug/L	26.4	1.0	70
MW-8	Water Table	cis-1,2-dichloroethene	11/5/2025	ug/L	38.9	1.0	70
MW-8	Water Table	chloride	4/16/2025	mg/L	24.8	7.3	--
MW-8	Water Table	chloride	11/5/2025	mg/L	26.6	7.3	--
MW-8	Water Table	Spec. Cond.	4/16/2025	umhos/cm	1257	1191.979	--
MW-8	Water Table	Spec. Cond.	11/5/2025	umhos/cm	1364	1193.561	--
MW-9	Water Table	dry	4/16/2025				
MW-9	Water Table	dry	11/5/2025				
MW-10	Water Table	cis-1,2-dichloroethene	4/16/2025	ug/L	2.14	1.0	70
MW-10	Water Table	COD	4/16/2025	mg/L	51.0	21.2	--
MW-10	Water Table	COD	11/5/2025	mg/L	32.5	21.2	--
MW-10	Water Table	chloride	4/16/2025	mg/L	110	7.3	--
MW-10	Water Table	chloride	11/5/2025	mg/L	170	7.3	--
MW-10	Water Table	Spec. Cond.	4/16/2025	umhos/cm	1349	1191.979	--
MW-10	Water Table	Spec. Cond.	11/5/2025	umhos/cm	1351	1193.561	--
MW-11	Water Table	chloride	4/16/2025	mg/L	110	7.3	--
MW-11	Water Table	chloride	11/5/2025	mg/L	121	7.3	--
MW-11	Water Table	COD	4/16/2025	mg/L	23.3	21.2	--
MW-11	Water Table	Spec. Cond.	4/16/2025	umhos/cm	1372	1191.979	--
MW-11	Water Table	Spec. Cond.	11/5/2025	umhos/cm	1369	1193.561	--
MW-12	Water Table	benzene	4/16/2025	ug/L	1.25	0.5	5
MW-12	Water Table	benzene	11/5/2025	ug/L	1.41	0.5	5
MW-12	Water Table	cis-1,2-dichloroethene	4/16/2025	ug/L	33.40	1.0	70
MW-12	Water Table	cis-1,2-dichloroethene	11/5/2025	ug/L	29.30	1.0	70
MW-12	Water Table	vinyl chloride	4/16/2025	ug/L	4.40	1.0	2
MW-12	Water Table	vinyl chloride	11/5/2025	ug/L	5.38	1.0	2
MW-12	Water Table	chloride	4/16/2025	mg/L	43.7	7.3	--
MW-12	Water Table	chloride	11/5/2025	mg/L	34.7	7.3	--
MW-12	Water Table	iron	4/16/2025	ug/L	14200	100.0	--
MW-12	Water Table	iron	11/5/2025	ug/L	17200	100.0	--
MW-12	Water Table	Spec. Cond.	4/16/2025	umhos/cm	1355	1191.979	--
MW-12	Water Table	Spec. Cond.	11/5/2025	umhos/cm	1335	1193.561	--
MW-13	Water Table	COD	4/16/2025	mg/L	38.8	21.2	--
MW-13	Water Table	COD	11/5/2025	mg/L	29.5	21.2	--
MW-13	Water Table	chloride	4/16/2025	mg/L	88.1	7.3	--
MW-13	Water Table	chloride	11/5/2025	mg/L	57.6	7.3	--
MW-13	Water Table	Spec. Cond.	4/16/2025	umhos/cm	1402.0	1191.979	--
MW-13	Water Table	TOX	4/16/2025	ug/L	103.0	11.4	--
MW-14	Water Table	benzene	11/5/2025	ug/L	0.562	0.5	5
MW-14	Water Table	cis-1,2-dichloroethene	4/16/2025	ug/L	45.0	1.0	70
MW-14	Water Table	cis-1,2-dichloroethene	11/5/2025	ug/L	50.0	1.0	70
MW-14	Water Table	chloride	4/16/2025	mg/L	128.0	7.3	--
MW-14	Water Table	chloride	11/5/2025	mg/L	97.9	7.3	--
MW-14	Water Table	Spec. Cond.	4/16/2025	umhos/cm	1653	1191.979	--
MW-14	Water Table	Spec. Cond.	11/5/2025	umhos/cm	1564	1193.561	--
MW-14	Water Table	TOX	4/16/2025	ug/L	91	11.4	--
MW-16	Water Table	chloride	4/16/2025	mg/L	9.75	7.3	--
MW-16	Water Table	chloride	11/5/2025	mg/L	9.31	7.3	--
MW-16	Water Table	Spec. Cond.	4/16/2025	umhos/cm	1645	1191.979	--
MW-16	Water Table	Spec. Cond.	11/5/2025	umhos/cm	1520	1193.561	--

= exceeds background standard

= exceeds GWPS

Table 7 – Summary of Ongoing and Newly Identified SSI & SSL

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Plymouth County Sanitary Landfill

Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-7	1,2-dichloroethane	4/11/2018	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	10/30/2018	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	4/1/2019	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	10/8/2019	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	4/20/2020	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	10/20/2020	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	4/26/2021	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	8/16/2021	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	6/1/2022	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	10/3/2022	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	5/3/2023	<1.0	1.0	0.500	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	10/11/2023	1.29	1.0	0.233	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	5/8/2024	1.85	1.0	0.260	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	10/29/2024	<1.0	1.0	0.260	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	4/16/2025	1.24	1.0	0.568	5	10/11/2023	NA	4/20/2020
MW-7	1,2-dichloroethane	11/5/2025	1.07	1.0	0.511	5	10/11/2023	NA	4/20/2020

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Plymouth County Sanitary Landfill

Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-7	1,2-dichloropropane	4/11/2018	9.81	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	10/30/2018	8.62	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	4/1/2019	5.10	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	10/8/2019	7.25	1.0	5.944	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	4/20/2020	10.00	1.0	5.933	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	10/20/2020	9.41	1.0	6.007	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	4/26/2021	7.34	1.0	7.277	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	8/16/2021	13.50	1.0	7.846	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	6/1/2022	10.60	1.0	7.985	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	10/3/2022	11.80	1.0	8.557	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	5/3/2023	12.50	1.0	10.666	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	10/11/2023	12.90	1.0	10.764	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	5/8/2024	12.50	1.0	11.887	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	10/29/2024	5.70	1.0	6.816	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	4/16/2025	8.35	1.0	5.799	5	4/11/2018	NA	4/20/2020
MW-7	1,2-dichloropropane	11/5/2025	7.36	1.0	5.071	5	4/11/2018	NA	4/20/2020

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI	SSL LCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-7	benzene	4/11/2018	0.958	0.5	---	5	4/11/2018	NA	4/20/2020
MW-7	benzene	10/30/2018	0.896	0.5	---	5	4/11/2018	NA	4/20/2020
MW-7	benzene	4/1/2019	0.580	0.5	---	5	4/11/2018	NA	4/20/2020
MW-7	benzene	10/8/2019	0.655	0.5	0.614	5	4/11/2018	NA	4/20/2020
MW-7	benzene	4/20/2020	0.813	0.5	0.611	5	4/11/2018	NA	4/20/2020
MW-7	benzene	10/20/2020	0.949	0.5	0.607	5	4/11/2018	NA	4/20/2020
MW-7	benzene	4/26/2021	<0.500	0.5	0.405	5	4/11/2018	NA	4/20/2020
MW-7	benzene	8/16/2021	0.783	0.5	0.432	5	4/11/2018	NA	4/20/2020
MW-7	benzene	6/1/2022	<0.500	0.5	0.244	5	4/11/2018	NA	4/20/2020
MW-7	benzene	10/3/2022	<0.500	0.5	0.152	5	4/11/2018	NA	4/20/2020
MW-7	benzene	5/3/2023	0.716	0.5	0.159	5	4/11/2018	NA	4/20/2020
MW-7	benzene	10/11/2023	0.878	0.5	0.144	5	4/11/2018	NA	4/20/2020
MW-7	benzene	5/8/2024	0.879	0.5	0.331	5	4/11/2018	NA	4/20/2020
MW-7	benzene	10/29/2024	0.759	0.5	0.710	5	4/11/2018	NA	4/20/2020
MW-7	benzene	4/16/2025	0.872	0.5	0.778	5	4/11/2018	NA	4/20/2020
MW-7	benzene	11/5/2025	0.783	0.5	0.751	5	4/11/2018	NA	4/20/2020

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Plymouth County Sanitary Landfill

Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-7	cis-1,2-dichloroethylene	4/11/2018	152.00	1.0	---	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	10/30/2018	113.00	1.0	---	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	4/1/2019	66.30	1.0	---	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	10/8/2019	117.00	1.0	81.602	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	4/20/2020	193.00	1.0	76.913	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	10/20/2020	198.00	1.0	88.615	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	4/26/2021	112.00	1.0	114.423	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	8/16/2021	240.00	1.0	139.423	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	6/1/2022	147.00	1.0	125.504	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	10/3/2022	168.00	1.0	119.967	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	5/3/2023	174.00	1.0	134.960	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	10/11/2023	203.00	1.0	145.818	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	5/8/2024	216.00	1.0	163.215	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	10/29/2024	131.00	1.0	136.684	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	4/16/2025	175.00	1.0	137.003	70	4/11/2018	NA	4/20/2020
MW-7	cis-1,2-dichloroethylene	11/5/2025	171.00	1.0	132.385	70	4/11/2018	NA	4/20/2020

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-7	PCE	4/11/2018	3.15	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	PCE	10/30/2018	2.12	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	PCE	4/1/2019	2.85	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	PCE	10/8/2019	1.23	1.0	1.596	5	4/11/2018	NA	4/20/2020
MW-7	PCE	4/20/2020	1.90	1.0	1.447	5	4/11/2018	NA	4/20/2020
MW-7	PCE	10/20/2020	<1.0	1.0	0.754	5	4/11/2018	NA	4/20/2020
MW-7	PCE	4/26/2021	1.66	1.0	0.790	5	4/11/2018	NA	4/20/2020
MW-7	PCE	8/16/2021	5.30	1.0	0.551	5	4/11/2018	NA	4/20/2020
MW-7	PCE	6/1/2022	2.89	1.0	0.808	5	4/11/2018	NA	4/20/2020
MW-7	PCE	10/3/2022	2.69	1.0	1.801	5	4/11/2018	NA	4/20/2020
MW-7	PCE	5/3/2023	2.67	1.0	1.883	5	4/11/2018	NA	4/20/2020
MW-7	PCE	10/11/2023	1.75	1.0	1.900	5	4/11/2018	NA	4/20/2020
MW-7	PCE	5/8/2024	1.61	1.0	1.497	5	4/11/2018	NA	4/20/2020
MW-7	PCE	10/29/2024	<1.0	1.0	0.586	5	4/11/2018	NA	4/20/2020
MW-7	PCE	4/16/2025	1.24	1.0	0.617	5	4/11/2018	NA	4/20/2020
MW-7	PCE	11/5/2025	<1.0	1.0	0.310	5	4/11/2018	NA	4/20/2020

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Plymouth County Sanitary Landfill

Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-7	TCE	4/11/2018	11.10	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	TCE	10/30/2018	10.30	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	TCE	4/1/2019	5.36	1.0	---	5	4/11/2018	NA	4/20/2020
MW-7	TCE	10/8/2019	6.71	1.0	5.970	5	4/11/2018	NA	4/20/2020
MW-7	TCE	4/20/2020	20.40	1.0	4.804	5	4/11/2018	NA	4/20/2020
MW-7	TCE	10/20/2020	17.30	1.0	5.924	5	4/11/2018	NA	4/20/2020
MW-7	TCE	4/26/2021	10.00	1.0	8.117	5	4/11/2018	NA	4/20/2020
MW-7	TCE	8/16/2021	12.30	1.0	10.915	5	4/11/2018	NA	4/20/2020
MW-7	TCE	6/1/2022	7.03	1.0	7.902	5	4/11/2018	NA	4/20/2020
MW-7	TCE	10/3/2022	6.27	1.0	6.493	5	4/11/2018	NA	4/20/2020
MW-7	TCE	5/3/2023	7.50	1.0	5.063	5	4/11/2018	NA	4/20/2020
MW-7	TCE	10/11/2023	9.37	1.0	5.990	5	4/11/2018	NA	4/20/2020
MW-7	TCE	5/8/2024	15.00	1.0	4.995	5	4/11/2018	NA	4/20/2020
MW-7	TCE	10/29/2024	7.81	1.0	5.822	5	4/11/2018	NA	4/20/2020
MW-7	TCE	4/16/2025	14.00	1.0	7.434	5	4/11/2018	NA	4/20/2020
MW-7	TCE	11/5/2025	10.00	1.0	7.731	5	4/11/2018	NA	4/20/2020

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-7	Vinyl Chloride	4/11/2018	1.87	1.0	---	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	10/30/2018	1.98	1.0	---	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	4/1/2019	<1.0	1.0	---	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	10/8/2019	1.45	1.0	0.867	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	4/20/2020	3.15	1.0	0.813	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	10/20/2020	3.48	1.0	0.922	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	4/26/2021	1.02	1.0	1.217	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	8/16/2021	2.84	1.0	1.670	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	6/1/2022	1.47	1.0	1.206	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	10/3/2022	1.38	1.0	0.986	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	5/3/2023	3.11	1.0	1.139	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	10/11/2023	4.28	1.0	0.919	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	5/8/2024	5.77	1.0	1.452	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	10/29/2024	9.39	1.0	2.428	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	4/16/2025	8.95	1.0	4.185	2	4/11/2018	NA	4/20/2020
MW-7	Vinyl Chloride	11/5/2025	5.79	1.0	5.163	2	4/11/2018	NA	4/20/2020

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-8	1,2-dichloropropane	4/11/2018	1.43	1.0	---	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	10/30/2018	1.27	1.0	---	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	4/1/2019	1.21	1.0	---	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	10/8/2019	1.57	1.0	1.229	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	5/28/2020	1.43	1.0	1.229	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	10/20/2020	1.29	1.0	1.238	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	4/26/2021	1.26	1.0	1.264	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	8/16/2021	1.52	1.0	1.270	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	6/1/2022	1.21	1.0	1.201	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	10/3/2022	1.01	1.0	1.068	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	5/3/2023	1.16	1.0	0.973	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	10/11/2023	<1.0	1.0	0.588	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	5/8/2024	<1.0	1.0	0.389	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	10/29/2024	<1.0	1.0	0.277	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	4/16/2025	<1.0	1.0	0.500	5	4/11/2018	NA	5/28/2020
MW-8	1,2-dichloropropane	11/5/2025	<1.0	1.0	0.500	5	4/11/2018	NA	5/28/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-8	benzene	4/11/2018	<0.5	0.5	---	5	4/1/2019	NA	4/20/2020
MW-8	benzene	10/30/2018	<0.5	0.5	---	5	4/1/2019	NA	4/20/2020
MW-8	benzene	4/1/2019	0.632	0.5	---	5	4/1/2019	NA	4/20/2020
MW-8	benzene	10/8/2019	0.858	0.5	0.237	5	4/1/2019	NA	4/20/2020
MW-8	benzene	4/20/2020	<0.5	0.5	0.237	5	4/1/2019	NA	4/20/2020
MW-8	benzene	10/20/2020	<0.5	0.5	0.237	5	4/1/2019	NA	4/20/2020
MW-8	benzene	4/26/2021	<0.5	0.5	0.139	5	4/1/2019	NA	4/20/2020
MW-8	benzene	8/16/2021	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	6/1/2022	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	10/3/2022	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	5/3/2023	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	10/11/2023	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	5/8/2024	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	10/29/2024	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	4/16/2025	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020
MW-8	benzene	11/5/2025	<0.5	0.5	0.250	5	4/1/2019	NA	4/20/2020

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MW-8	cis-1,2-dichloroethylene	4/11/2018	80.80	1.0	---	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	10/30/2018	82.60	1.0	---	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	4/1/2019	75.70	1.0	---	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	10/8/2019	85.80	1.0	77.567	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	4/20/2020	1.21	1.0	26.427	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	5/28/2020	57.10	1.0	22.261	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	10/20/2020	76.40	1.0	22.324	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	4/26/2021	61.20	1.0	20.477	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	8/16/2021	85.90	1.0	58.558	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	6/1/2022	59.40	1.0	59.753	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	10/3/2022	50.20	1.0	50.956	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	5/3/2023	53.80	1.0	43.309	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	10/11/2023	45.70	1.0	45.462	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	5/8/2024	57.10	1.0	45.945	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	10/29/2024	14.80	1.0	20.143	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	4/16/2025	26.40	1.0	13.672	70	4/11/2018	NA	4/20/2020
MW-8	cis-1,2-dichloroethylene	11/5/2025	38.90	1.0	13.000	70	4/11/2018	NA	4/20/2020

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MW-8	TCE	4/11/2018	<1.0	1.0	---	5	5/3/2023	NA	4/20/2020
MW-8	TCE	10/30/2018	<1.0	1.0	---	5	5/3/2023	NA	4/20/2020
MW-8	TCE	4/1/2019	<1.0	1.0	---	5	5/3/2023	NA	4/20/2020
MW-8	TCE	10/8/2019	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	4/20/2020	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	10/20/2020	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	4/26/2021	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	8/16/2021	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	6/1/2022	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	10/3/2022	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	5/3/2023	1.13	1.0	0.287	5	5/3/2023	NA	4/20/2020
MW-8	TCE	10/11/2023	<1.0	1.0	0.287	5	5/3/2023	NA	4/20/2020
MW-8	TCE	5/8/2024	<1.0	1.0	0.287	5	5/3/2023	NA	4/20/2020
MW-8	TCE	10/29/2024	<1.0	1.0	0.287	5	5/3/2023	NA	4/20/2020
MW-8	TCE	4/16/2025	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020
MW-8	TCE	11/5/2025	<1.0	1.0	0.500	5	5/3/2023	NA	4/20/2020

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MW-8	vinyl chloride	4/11/2018	2.74	1.0	---	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	10/30/2018	2.18	1.0	---	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	4/1/2019	5.33	1.0	---	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	10/8/2019	7.13	1.0	2.346	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	4/20/2020	1.73	1.0	1.857	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	10/20/2020	3.25	1.0	2.313	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	4/26/2021	2.16	1.0	1.437	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	8/16/2021	2.40	1.0	1.831	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	6/1/2022	2.72	1.0	2.224	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	10/3/2022	1.62	1.0	1.823	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	5/3/2023	2.16	1.0	1.679	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	10/11/2023	1.03	1.0	1.030	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	5/8/2024	1.51	1.0	1.034	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	10/29/2024	<1.0	1.0	0.469	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	4/16/2025	<1.0	1.0	0.314	2	4/11/2018	NA	4/20/2020
MW-8	vinyl chloride	11/5/2025	<1.0	1.0	0.158	2	4/11/2018	NA	4/20/2020

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MW-8	chloride	4/11/2018	16.40	7.3	---	---	4/11/2018	NA	4/20/2020
MW-8	chloride	10/30/2018	35.60	7.3	---	---	4/11/2018	NA	4/20/2020
MW-8	chloride	4/1/2019	30.30	7.3	---	---	4/11/2018	NA	4/20/2020
MW-8	chloride	10/8/2019	26.30	7.3	20.121	---	4/11/2018	NA	4/20/2020
MW-8	chloride	4/20/2020	21.70	7.3	23.358	---	4/11/2018	NA	4/20/2020
MW-8	chloride	10/20/2020	21.70	7.3	21.410	---	4/11/2018	NA	4/20/2020
MW-8	chloride	4/26/2021	16.30	7.3	17.959	---	4/11/2018	NA	4/20/2020
MW-8	chloride	8/16/2021	15.60	7.3	15.939	---	4/11/2018	NA	4/20/2020
MW-8	chloride	6/1/2022	13.10	7.3	13.539	---	4/11/2018	NA	4/20/2020
MW-8	chloride	10/3/2022	12.80	7.3	12.926	---	4/11/2018	NA	4/20/2020
MW-8	chloride	5/3/2023	12.90	7.3	12.440	---	4/11/2018	NA	4/20/2020
MW-8	chloride	10/11/2023	12.70	7.3	12.727	---	4/11/2018	NA	4/20/2020
MW-8	chloride	5/8/2024	12.30	7.3	12.447	---	4/11/2018	NA	4/20/2020
MW-8	chloride	10/29/2024	16.50	7.3	11.912	---	4/11/2018	NA	4/20/2020
MW-8	chloride	4/16/2025	24.80	7.3	11.551	---	4/11/2018	NA	4/20/2020
MW-8	chloride	11/5/2025	26.60	7.3	14.174	---	4/11/2018	NA	4/20/2020

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MW-8	Specific Conductance	4/11/2018	1232	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	10/30/2018	1473	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	4/1/2019	1507	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	10/8/2019	1564	1188.4824	1317.357	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	4/20/2020	1622	1188.4824	1484.779	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	10/20/2020	1557	1188.4824	1521.717	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	4/26/2021	1618	1188.4824	1560.364	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	8/16/2021	1834	1188.4824	1552.782	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	6/1/2022	1466	1188.4824	1483.215	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	10/3/2022	1456	1188.4824	1440.527	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	5/3/2023	1390	1188.4824	1362.274	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	10/11/2023	1393	1188.4824	1391.305	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	5/8/2024	1290	1188.4824	1322.826	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	10/29/2024	1248	1188.4824	1267.217	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	4/16/2025	1257	1191.9785	1239.411	---	4/11/2018	NA	4/20/2020
MW-8	Specific Conductance	11/5/2025	1364	1193.5613	1244.119	---	4/11/2018	NA	4/20/2020

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MW-8	TOX	4/11/2018	82.00	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	10/30/2018	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	4/1/2019	76.50	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	10/8/2019	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	4/20/2020	<40	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	10/20/2020	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	4/26/2021	53.00	11.4	33.446	---	4/11/2018	NA	6/1/2022
MW-8	TOX	8/16/2021	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	6/1/2022	46.00	11.4	28.737	---	4/11/2018	NA	6/1/2022
MW-8	TOX	10/3/2022	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	5/3/2023	65.00	11.4	29.523	---	4/11/2018	NA	6/1/2022
MW-8	TOX	10/11/2023	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	5/8/2024	157.00	11.4	35.420	---	4/11/2018	NA	6/1/2022
MW-8	TOX	10/29/2024	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-8	TOX	4/16/2025	<60	11.4	25.284	---	4/11/2018	NA	6/1/2022
MW-8	TOX	11/5/2025	NT	11.4	---	---	4/11/2018	NA	6/1/2022

Bold Result = A value that exceeds the GWPS.
Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

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MW-9	COD	4/11/2018	19.10	21.2	---	---	10/30/2018	NA	4/20/2020
MW-9	COD	10/30/2018	22.40	21.2	---	---	10/30/2018	NA	4/20/2020
MW-9	COD	4/1/2019	55.10	21.2	---	---	10/30/2018	NA	4/20/2020
MW-9	COD	10/8/2019	22.30	21.2	15.015	---	10/30/2018	NA	4/20/2020
MW-9	COD	4/20/2020	19.60	21.2	15.229	---	10/30/2018	NA	4/20/2020
MW-9	COD	10/20/2020	15.40	21.2	12.319	---	10/30/2018	NA	4/20/2020
MW-9	COD	4/26/2021	19.40	21.2	16.713	---	10/30/2018	NA	4/20/2020
MW-9	COD	8/16/2021	171.00	21.2	0.000	---	10/30/2018	NA	4/20/2020
MW-9	COD	6/1/2022	Dry	21.2	0.000	---	10/30/2018	NA	4/20/2020
MW-9	COD	10/3/2022	Dry	21.2	0.000	---	10/30/2018	NA	4/20/2020
MW-9	COD	5/3/2023	Dry	21.2	0.000	---	10/30/2018	NA	4/20/2020
MW-9	COD	10/11/2023	Dry	21.2	0.000	---	10/30/2018	NA	4/20/2020
MW-9	COD	5/8/2024	17.50	21.2	0.000	---	10/30/2018	NA	4/20/2020
MW-9	COD	10/29/2024	70.10	21.2	7.217	---	10/30/2018	NA	4/20/2020
MW-9	COD	4/16/2025	Dry	21.2	7.217	---	10/30/2018	NA	4/20/2020
MW-9	COD	11/5/2025	Dry	21.2	7.217	---	10/30/2018	NA	4/20/2020

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MW-9	chloride	4/11/2018	39.30	7.3	---	---	4/11/2018	NA	4/20/2020
MW-9	chloride	10/30/2018	31.10	7.3	---	---	4/11/2018	NA	4/20/2020
MW-9	chloride	4/1/2019	43.30	7.3	---	---	4/11/2018	NA	4/20/2020
MW-9	chloride	10/8/2019	55.90	7.3	33.451	---	4/11/2018	NA	4/20/2020
MW-9	chloride	4/20/2020	40.60	7.3	33.871	---	4/11/2018	NA	4/20/2020
MW-9	chloride	10/20/2020	50.10	7.3	41.505	---	4/11/2018	NA	4/20/2020
MW-9	chloride	4/26/2021	27.70	7.3	32.906	---	4/11/2018	NA	4/20/2020
MW-9	chloride	8/16/2021	34.00	7.3	29.805	---	4/11/2018	NA	4/20/2020
MW-9	chloride	6/1/2022	Dry	7.3	29.805	---	4/11/2018	NA	4/20/2020
MW-9	chloride	10/3/2022	Dry	7.3	29.805	---	4/11/2018	NA	4/20/2020
MW-9	chloride	5/3/2023	Dry	7.3	29.805	---	4/11/2018	NA	4/20/2020
MW-9	chloride	10/11/2023	Dry	7.3	29.805	---	4/11/2018	NA	4/20/2020
MW-9	chloride	5/8/2024	11.60	7.3	17.057	---	4/11/2018	NA	4/20/2020
MW-9	chloride	10/29/2024	31.70	7.3	17.497	---	4/11/2018	NA	4/20/2020
MW-9	chloride	4/16/2025	Dry	7.3	17.497	---	4/11/2018	NA	4/20/2020
MW-9	chloride	11/5/2025	Dry	7.3	17.497	---	4/11/2018	NA	4/20/2020

Table 7
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Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-9	Specific Conductance	4/11/2018	1011	1189.0570	---	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	10/30/2018	1283	1189.0570	---	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	4/1/2019	1280	1189.0570	---	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	10/8/2019	1291	1189.0570	1097.681	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	4/20/2020	1457	1189.0570	1253.019	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	10/20/2020	1381	1189.0570	1280.190	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	4/26/2021	1635	1189.0570	1314.517	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	8/16/2021	1674	1189.0570	1415.189	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	6/1/2022	Dry	1189.0570	1415.189	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	10/3/2022	Dry	1189.0570	1415.189	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	5/3/2023	Dry	1189.0570	1415.189	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	10/11/2023	Dry	1189.0570	1415.189	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	5/8/2024	1287	1189.0570	1330.010	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	10/29/2024	1146	1189.0570	1210.475	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	4/16/2025	Dry	1191.9785	1210.475	---	10/30/2018	NA	4/20/2020
MW-9	Specific Conductance	11/5/2025	Dry	1193.5613	1210.475	---	10/30/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-9	TOX	4/11/2018	<30	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	10/30/2018	NT	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	4/1/2019	<30	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	10/8/2019	NT	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	4/20/2020	<40	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	10/20/2020	NT	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	4/26/2021	13.00	11.4	13.164	---	4/11/2018	NA	5/8/2024
MW-9	TOX	8/16/2021	NT	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	6/1/2022	Dry	11.4	13.164	---	4/11/2018	NA	5/8/2024
MW-9	TOX	10/3/2022	Dry	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	5/3/2023	Dry	11.4	13.164	---	4/11/2018	NA	5/8/2024
MW-9	TOX	10/11/2023	Dry	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	5/8/2024	75.60	11.4	4.967	---	4/11/2018	NA	5/8/2024
MW-9	TOX	10/29/2024	NT	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	4/16/2025	Dry	11.4	---	---	4/11/2018	NA	5/8/2024
MW-9	TOX	11/5/2025	Dry	11.4	---	---	4/11/2018	NA	5/8/2024

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

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MW-10	cis-1,2-dichloroethylene	4/11/2018	2.37	1.0	---	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	10/30/2018	<1.0	1.0	---	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	4/1/2019	<1.0	1.0	---	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	10/8/2019	<1.0	1.0	0.158	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	4/20/2020	5.16	1.0	0.000	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	10/20/2020	2.39	1.0	0.229	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	4/26/2021	1.17	1.0	0.523	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	8/16/2021	2.11	1.0	1.221	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	6/1/2022	2.16	1.0	1.491	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	10/3/2022	dry	1.0	1.491	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	5/3/2023	<1.0	1.0	0.793	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	10/11/2023	<1.0	1.0	0.500	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	5/8/2024	<1.0	1.0	0.196	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	10/29/2024	<1.0	1.0	0.500	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	4/16/2025	2.14	1.0	0.000	70	4/11/2018	NA	4/20/2020
MW-10	cis-1,2-dichloroethylene	11/5/2025	<1.0	1.0	0.000	70	4/11/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-10	COD	4/11/2018	21.40	21.2	---	---	5/3/2023	NA	4/20/2020
MW-10	COD	10/30/2018	55.10	21.2	---	---	5/3/2023	NA	4/20/2020
MW-10	COD	4/1/2019	37.80	21.2	---	---	5/3/2023	NA	4/20/2020
MW-10	COD	10/8/2019	44.50	21.2	27.466	---	5/3/2023	NA	4/20/2020
MW-10	COD	4/20/2020	53.40	21.2	40.709	---	5/3/2023	NA	4/20/2020
MW-10	COD	10/20/2020	64.20	21.2	40.072	---	5/3/2023	NA	4/20/2020
MW-10	COD	4/26/2021	66.80	21.2	48.324	---	5/3/2023	NA	4/20/2020
MW-10	COD	8/16/2021	28.60	21.2	38.157	---	5/3/2023	NA	4/20/2020
MW-10	COD	6/1/2022	36.20	21.2	32.158	---	5/3/2023	NA	4/20/2020
MW-10	COD	10/3/2022	dry	21.2	32.158	---	5/3/2023	NA	4/20/2020
MW-10	COD	5/3/2023	26.60	21.2	23.415	---	5/3/2023	NA	4/20/2020
MW-10	COD	10/11/2023	40.90	21.2	27.310	---	5/3/2023	NA	4/20/2020
MW-10	COD	5/8/2024	14.60	21.2	19.510	---	5/3/2023	NA	4/20/2020
MW-10	COD	10/29/2024	29.10	21.2	18.459	---	5/3/2023	NA	4/20/2020
MW-10	COD	4/16/2025	51.00	21.2	20.327	---	5/3/2023	NA	4/20/2020
MW-10	COD	11/5/2025	32.50	21.2	18.836	---	5/3/2023	NA	4/20/2020

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MW-10	chloride	4/11/2018	102.00	7.3	---	---	4/11/2018	NA	4/20/2020
MW-10	chloride	10/30/2018	140.00	7.3	---	---	4/11/2018	NA	4/20/2020
MW-10	chloride	4/1/2019	372.00	7.3	---	---	4/11/2018	NA	4/20/2020
MW-10	chloride	10/8/2019	196.00	7.3	99.085	---	4/11/2018	NA	4/20/2020
MW-10	chloride	4/20/2020	295.00	7.3	161.415	---	4/11/2018	NA	4/20/2020
MW-10	chloride	10/20/2020	269.00	7.3	220.091	---	4/11/2018	NA	4/20/2020
MW-10	chloride	4/26/2021	392.00	7.3	217.840	---	4/11/2018	NA	4/20/2020
MW-10	chloride	8/16/2021	115.00	7.3	168.358	---	4/11/2018	NA	4/20/2020
MW-10	chloride	6/1/2022	107.00	7.3	102.665	---	4/11/2018	NA	4/20/2020
MW-10	chloride	10/3/2022	dry	7.3	102.665	---	4/11/2018	NA	4/20/2020
MW-10	chloride	5/3/2023	166.00	7.3	79.032	---	4/11/2018	NA	4/20/2020
MW-10	chloride	10/11/2023	101.00	7.3	96.507	---	4/11/2018	NA	4/20/2020
MW-10	chloride	5/8/2024	153.00	7.3	68.898	---	4/11/2018	NA	4/20/2020
MW-10	chloride	10/29/2024	149.00	7.3	68.682	---	4/11/2018	NA	4/20/2020
MW-10	chloride	4/16/2025	110.00	7.3	71.337	---	4/11/2018	NA	4/20/2020
MW-10	chloride	11/5/2025	170.00	7.3	123.540	---	4/11/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-10	Specific Conductance	4/11/2018	1200	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	10/30/2018	1776	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	4/1/2019	1890	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	10/8/2019	1855	1188.4824	1399.920	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	4/20/2020	1861	1188.4824	1803.248	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	10/20/2020	2520	1188.4824	1749.154	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	4/26/2021	1999	1188.4824	1786.289	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	8/16/2021	1673	1188.4824	1698.628	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	6/1/2022	1472	1188.4824	1519.802	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	10/3/2022	dry	1188.4824	1519.802	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	5/3/2023	1538	1188.4824	1467.475	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	10/11/2023	1394	1188.4824	1416.889	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	5/8/2024	1663	1188.4824	1418.121	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	10/29/2024	1602	1188.4824	1449.312	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	4/16/2025	1349	1191.9785	1368.777	---	4/11/2018	NA	4/20/2020
MW-10	Specific Conductance	11/5/2025	1351	1193.5613	1348.361	---	4/11/2018	NA	4/20/2020

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MW-10	TOX	4/11/2018	50.00	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	10/30/2018	NT	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	4/1/2019	64.20	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	10/8/2019	NT	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	4/20/2020	<40	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	10/20/2020	NT	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	4/26/2021	76.00	11.4	31.624	---	4/11/2018	NA	4/26/2021
MW-10	TOX	8/16/2021	NT	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	6/1/2022	41.00	11.4	28.746	---	4/11/2018	NA	4/26/2021
MW-10	TOX	10/3/2022	NT	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	5/8/2024	185.00	11.4	28.430	---	4/11/2018	NA	4/26/2021
MW-10	TOX	10/29/2024	NT	11.4	---	---	4/11/2018	NA	4/26/2021
MW-10	TOX	4/16/2025	<60	11.4	11.648	---	4/11/2018	NA	4/26/2021
MW-10	TOX	11/5/2025	NT	11.4	---	---	4/11/2018	NA	4/26/2021

Bold Result = A value that exceeds the GWPS.

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MW-11	chloride	4/11/2018	89.30	7.3	---	---	4/11/2018	NA	4/20/2020
MW-11	chloride	10/30/2018	75.10	7.3	---	---	4/11/2018	NA	4/20/2020
MW-11	chloride	4/1/2019	81.10	7.3	---	---	4/11/2018	NA	4/20/2020
MW-11	chloride	10/8/2019	69.20	7.3	71.236	---	4/11/2018	NA	4/20/2020
MW-11	chloride	4/20/2020	72.00	7.3	69.929	---	4/11/2018	NA	4/20/2020
MW-11	chloride	10/20/2020	84.10	7.3	70.427	---	4/11/2018	NA	4/20/2020
MW-11	chloride	4/26/2021	100.00	7.3	69.176	---	4/11/2018	NA	4/20/2020
MW-11	chloride	8/16/2021	38.40	7.3	50.993	---	4/11/2018	NA	4/20/2020
MW-11	chloride	6/1/2022	26.90	7.3	31.850	---	4/11/2018	NA	4/20/2020
MW-11	chloride	10/3/2022	24.30	7.3	16.571	---	4/11/2018	NA	4/20/2020
MW-11	chloride	5/3/2023	25.10	7.3	22.982	---	4/11/2018	NA	4/20/2020
MW-11	chloride	10/11/2023	55.40	7.3	19.915	---	4/11/2018	NA	4/20/2020
MW-11	chloride	5/8/2024	101.00	7.3	20.216	---	4/11/2018	NA	4/20/2020
MW-11	chloride	10/29/2024	128.00	7.3	37.574	---	4/11/2018	NA	4/20/2020
MW-11	chloride	4/16/2025	110.00	7.3	71.831	---	4/11/2018	NA	4/20/2020
MW-11	chloride	11/5/2025	121.00	7.3	104.680	---	4/11/2018	NA	4/20/2020

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MW-11	COD	4/11/2018	13.30	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	10/30/2018	7.82	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	4/1/2019	16.60	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	10/8/2019	<5	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	4/20/2020	7.25	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	10/20/2020	9.21	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	4/26/2021	15.10	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	8/16/2021	8.90	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	6/1/2022	7.59	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	10/3/2022	6.54	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	5/3/2023	8.40	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	10/11/2023	9.48	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	5/8/2024	6.24	21.1	---	---	10/29/2024	NA	4/20/2020
MW-11	COD	10/29/2024	52.20	21.1	0.000	---	10/29/2024	NA	4/20/2020
MW-11	COD	4/16/2025	23.30	21.1	4.665	---	10/29/2024	NA	4/20/2020
MW-11	COD	11/5/2025	9.77	21.1	4.790	---	10/29/2024	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-11	Specific Conductance	4/11/2018	1175	1188.4824	---	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	10/30/2018	1204	1188.4824	---	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	4/1/2019	1296	1188.4824	---	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	10/8/2019	1316	1188.4824	1188.183	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	4/20/2020	1416	1188.4824	1232.687	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	10/20/2020	1462	1188.4824	1303.676	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	4/26/2021	1553	1188.4824	1351.364	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	8/16/2021	1465	1188.4824	1424.427	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	6/1/2022	1245	1188.4824	1317.675	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	10/3/2022	1266	1188.4824	1251.526	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	5/3/2023	1259	1188.4824	1218.223	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	10/11/2023	1300	1188.4824	1247.270	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	5/8/2024	1274	1188.4824	1259.236	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	10/29/2024	1345	1188.4824	1261.862	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	4/16/2025	1372	1191.9785	1284.623	---	10/30/2018	NA	4/20/2020
MW-11	Specific Conductance	11/5/2025	1369	1193.5613	1300.484	---	10/30/2018	NA	4/20/2020

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	benzene	4/11/2018	1.610	0.5	---	5	4/1/2019	NA	4/20/2020
MW-12	benzene	10/30/2018	1.520	0.5	---	5	4/1/2019	NA	4/20/2020
MW-12	benzene	4/1/2019	1.450	0.5	---	5	4/1/2019	NA	4/20/2020
MW-12	benzene	10/8/2019	1.870	0.5	1.453	5	4/1/2019	NA	4/20/2020
MW-12	benzene	4/20/2020	1.860	0.5	1.483	5	4/1/2019	NA	4/20/2020
MW-12	benzene	10/20/2020	2.010	0.5	1.588	5	4/1/2019	NA	4/20/2020
MW-12	benzene	4/26/2021	1.840	0.5	1.828	5	4/1/2019	NA	4/20/2020
MW-12	benzene	8/16/2021	1.950	0.5	1.846	5	4/1/2019	NA	4/20/2020
MW-12	benzene	6/1/2022	0.784	0.5	1.145	5	4/1/2019	NA	4/20/2020
MW-12	benzene	10/3/2022	1.460	0.5	1.052	5	4/1/2019	NA	4/20/2020
MW-12	benzene	5/3/2023	1.270	0.5	0.799	5	4/1/2019	NA	4/20/2020
MW-12	benzene	10/11/2023	1.160	0.5	0.834	5	4/1/2019	NA	4/20/2020
MW-12	benzene	5/8/2024	1.190	0.5	1.111	5	4/1/2019	NA	4/20/2020
MW-12	benzene	10/29/2024	0.804	0.5	0.863	5	4/1/2019	NA	4/20/2020
MW-12	benzene	4/16/2025	1.250	0.5	0.864	5	4/1/2019	NA	4/20/2020
MW-12	benzene	11/5/2025	1.410	0.5	0.861	5	4/1/2019	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	cis-1,2-dichloroethylene	4/11/2018	50.40	1.0	---	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	10/30/2018	29.60	1.0	---	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	4/1/2019	34.30	1.0	---	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	10/8/2019	47.30	1.0	31.719	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	4/20/2020	52.40	1.0	31.620	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	10/20/2020	55.10	1.0	39.277	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	4/26/2021	49.00	1.0	47.931	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	8/16/2021	64.70	1.0	49.458	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	6/1/2022	31.00	1.0	37.661	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	10/3/2022	35.20	1.0	31.783	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	5/3/2023	31.90	1.0	21.760	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	10/11/2023	31.30	1.0	30.072	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	5/8/2024	32.50	1.0	30.700	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	10/29/2024	18.30	1.0	20.481	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	4/16/2025	33.40	1.0	20.521	70	4/11/2018	NA	4/20/2020
MW-12	cis-1,2-dichloroethylene	11/5/2025	29.30	1.0	20.208	70	4/11/2018	NA	4/20/2020

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SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	TCE	4/11/2018	1.23	1.0	---	5	4/11/2018	NA	4/20/2020
MW-12	TCE	10/30/2018	<1.0	1.0	---	5	4/11/2018	NA	4/20/2020
MW-12	TCE	4/1/2019	1.18	1.0	---	5	4/11/2018	NA	4/20/2020
MW-12	TCE	10/8/2019	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-12	TCE	4/20/2020	<1.0	1.0	0.376	5	4/11/2018	NA	4/20/2020
MW-12	TCE	10/20/2020	1.54	1.0	0.482	5	4/11/2018	NA	4/20/2020
MW-12	TCE	4/26/2021	<1.0	1.0	0.310	5	4/11/2018	NA	4/20/2020
MW-12	TCE	8/16/2021	<1.0	1.0	0.310	5	4/11/2018	NA	4/20/2020
MW-12	TCE	6/1/2022	<1.0	1.0	0.310	5	4/11/2018	NA	4/20/2020
MW-12	TCE	10/3/2022	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-12	TCE	5/3/2023	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-12	TCE	10/11/2023	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-12	TCE	5/8/2024	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-12	TCE	10/29/2024	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-12	TCE	4/16/2025	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-12	TCE	11/5/2025	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	vinyl chloride	4/11/2018	4.48	1.0	---	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	10/30/2018	9.14	1.0	---	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	4/1/2019	8.96	1.0	---	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	10/8/2019	6.50	1.0	5.351	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	4/20/2020	4.90	1.0	5.606	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	10/20/2020	5.41	1.0	4.878	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	4/26/2021	3.57	1.0	4.042	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	8/16/2021	4.08	1.0	3.778	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	6/1/2022	1.56	1.0	2.271	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	10/3/2022	7.15	1.0	2.088	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	5/3/2023	4.19	1.0	1.556	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	10/11/2023	3.56	1.0	1.394	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	5/8/2024	4.30	1.0	2.918	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	10/29/2024	5.48	1.0	3.440	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	4/16/2025	4.40	1.0	3.385	2	4/11/2018	NA	4/20/2020
MW-12	vinyl chloride	11/5/2025	5.38	1.0	3.934	2	4/11/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	chloride	4/11/2018	15.20	7.3	---	---	4/11/2018	NA	4/20/2020
MW-12	chloride	10/30/2018	42.60	7.3	---	---	4/11/2018	NA	4/20/2020
MW-12	chloride	4/1/2019	31.50	7.3	---	---	4/11/2018	NA	4/20/2020
MW-12	chloride	10/8/2019	12.00	7.3	12.909	---	4/11/2018	NA	4/20/2020
MW-12	chloride	4/20/2020	11.20	7.3	11.006	---	4/11/2018	NA	4/20/2020
MW-12	chloride	10/20/2020	12.30	7.3	8.225	---	4/11/2018	NA	4/20/2020
MW-12	chloride	4/26/2021	9.32	7.3	10.045	---	4/11/2018	NA	4/20/2020
MW-12	chloride	8/16/2021	12.50	7.3	10.068	---	4/11/2018	NA	4/20/2020
MW-12	chloride	6/1/2022	32.00	7.3	7.510	---	4/11/2018	NA	4/20/2020
MW-12	chloride	10/3/2022	21.70	7.3	10.046	---	4/11/2018	NA	4/20/2020
MW-12	chloride	5/3/2023	29.10	7.3	16.285	---	4/11/2018	NA	4/20/2020
MW-12	chloride	10/11/2023	34.00	7.3	24.533	---	4/11/2018	NA	4/20/2020
MW-12	chloride	5/8/2024	40.70	7.3	24.435	---	4/11/2018	NA	4/20/2020
MW-12	chloride	10/29/2024	68.70	7.3	27.796	---	4/11/2018	NA	4/20/2020
MW-12	chloride	4/16/2025	43.70	7.3	33.639	---	4/11/2018	NA	4/20/2020
MW-12	chloride	11/5/2025	34.70	7.3	33.981	---	4/11/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	iron	4/11/2018	22900.00	100	---	---	4/11/2018	NA	4/20/2020
MW-12	iron	10/30/2018	27900.00	100	---	---	4/11/2018	NA	4/20/2020
MW-12	iron	4/1/2019	20200.00	100	---	---	4/11/2018	NA	4/20/2020
MW-12	iron	10/8/2019	27400.00	100	21399.220	---	4/11/2018	NA	4/20/2020
MW-12	iron	4/20/2020	24800.00	100	22024.280	---	4/11/2018	NA	4/20/2020
MW-12	iron	10/20/2020	19400.00	100	19656.450	---	4/11/2018	NA	4/20/2020
MW-12	iron	4/26/2021	27800.00	100	21499.250	---	4/11/2018	NA	4/20/2020
MW-12	iron	8/16/2021	29900.00	100	21526.980	---	4/11/2018	NA	4/20/2020
MW-12	iron	6/1/2022	25300.00	100	21667.440	---	4/11/2018	NA	4/20/2020
MW-12	iron	10/3/2022	9460.00	100	15064.860	---	4/11/2018	NA	4/20/2020
MW-12	iron	5/3/2023	10800.00	100	9967.266	---	4/11/2018	NA	4/20/2020
MW-12	iron	10/11/2023	7290.00	100	6122.277	---	4/11/2018	NA	4/20/2020
MW-12	iron	5/8/2024	6970.00	100	7052.898	---	4/11/2018	NA	4/20/2020
MW-12	iron	10/29/2024	13800.00	100	6918.569	---	4/11/2018	NA	4/20/2020
MW-12	iron	4/16/2025	14200.00	100	7125.229	---	4/11/2018	NA	4/20/2020
MW-12	iron	11/5/2025	17200.00	100	9298.382	---	4/11/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	Specific Conductance	4/11/2018	1304	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	10/30/2018	1556	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	4/1/2019	1399	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	10/8/2019	1499	1188.4824	1343.176	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	4/20/2020	1386	1188.4824	1389.406	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	10/20/2020	1684	1188.4824	1372.838	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	4/26/2021	1637	1188.4824	1434.226	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	8/16/2021	1754	1188.4824	1476.500	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	6/1/2022	1371	1188.4824	1466.541	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	10/3/2022	1494	1188.4824	1419.451	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	5/3/2023	1481	1188.4824	1384.417	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	10/11/2023	1422	1188.4824	1392.842	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	5/8/2024	1440	1188.4824	1429.930	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	10/29/2024	1348	1188.4824	1374.587	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	4/16/2025	1355	1191.9785	1350.918	---	4/11/2018	NA	4/20/2020
MW-12	Specific Conductance	11/5/2025	1335	1193.5613	1328.169	---	4/11/2018	NA	4/20/2020

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-12	TOX	4/11/2018	41.90	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	10/30/2018	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	4/1/2019	37.40	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	10/8/2019	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	4/20/2020	<40	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	10/20/2020	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	4/26/2021	42.00	11.4	26.284	---	4/11/2018	NA	6/1/2022
MW-12	TOX	8/16/2021	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	6/1/2022	48.00	11.4	26.421	---	4/11/2018	NA	6/1/2022
MW-12	TOX	10/3/2022	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	5/8/2024	146.00	11.4	27.245	---	4/11/2018	NA	6/1/2022
MW-12	TOX	10/29/2024	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-12	TOX	4/16/2025	<60	11.4	22.010	---	4/11/2018	NA	6/1/2022
MW-12	TOX	11/5/2025	NT	11.4	---	---	4/11/2018	NA	6/1/2022

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewaide Standards for Protected Groundwater.

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-13	COD	4/11/2018	17.20	21.2	---	---	4/1/2019	NA	4/20/2020
MW-13	COD	10/30/2018	18.60	21.2	---	---	4/1/2019	NA	4/20/2020
MW-13	COD	4/1/2019	32.50	21.2	---	---	4/1/2019	NA	4/20/2020
MW-13	COD	10/8/2019	60.20	21.2	14.848	---	4/1/2019	NA	4/20/2020
MW-13	COD	4/20/2020	26.70	21.2	18.862	---	4/1/2019	NA	4/20/2020
MW-13	COD	10/20/2020	8.56	21.2	13.463	---	4/1/2019	NA	4/20/2020
MW-13	COD	4/26/2021	22.50	21.2	10.531	---	4/1/2019	NA	4/20/2020
MW-13	COD	8/16/2021	12.50	21.2	10.241	---	4/1/2019	NA	4/20/2020
MW-13	COD	6/1/2022	20.90	21.2	10.331	---	4/1/2019	NA	4/20/2020
MW-13	COD	10/3/2022	13.50	21.2	12.949	---	4/1/2019	NA	4/20/2020
MW-13	COD	5/3/2023	23.50	21.2	12.896	---	4/1/2019	NA	4/20/2020
MW-13	COD	10/11/2023	20.30	21.2	15.856	---	4/1/2019	NA	4/20/2020
MW-13	COD	5/8/2024	23.70	21.2	16.126	---	4/1/2019	NA	4/20/2020
MW-13	COD	10/29/2024	42.60	21.2	18.718	---	4/1/2019	NA	4/20/2020
MW-13	COD	4/16/2025	38.80	21.2	21.828	---	4/1/2019	NA	4/20/2020
MW-13	COD	11/5/2025	29.50	21.2	26.186	---	4/1/2019	NA	4/20/2020

Table 7
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Plymouth County Sanitary Landfill
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KEY:

SSI

SSL LCL>GWPS

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Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-13	chloride	4/11/2018	124.00	7.3	---	---	4/11/2018	NA	4/20/2020
MW-13	chloride	10/30/2018	132.00	7.3	---	---	4/11/2018	NA	4/20/2020
MW-13	chloride	4/1/2019	147.00	7.3	---	---	4/11/2018	NA	4/20/2020
MW-13	chloride	10/8/2019	179.00	7.3	124.470	---	4/11/2018	NA	4/20/2020
MW-13	chloride	4/20/2020	116.00	7.3	120.257	---	4/11/2018	NA	4/20/2020
MW-13	chloride	10/20/2020	32.50	7.3	64.139	---	4/11/2018	NA	4/20/2020
MW-13	chloride	4/26/2021	85.20	7.3	50.185	---	4/11/2018	NA	4/20/2020
MW-13	chloride	8/16/2021	33.10	7.3	31.093	---	4/11/2018	NA	4/20/2020
MW-13	chloride	6/1/2022	24.70	7.3	19.787	---	4/11/2018	NA	4/20/2020
MW-13	chloride	10/3/2022	21.70	7.3	15.416	---	4/11/2018	NA	4/20/2020
MW-13	chloride	5/3/2023	73.00	7.3	17.561	---	4/11/2018	NA	4/20/2020
MW-13	chloride	10/11/2023	33.10	7.3	17.561	---	4/11/2018	NA	4/20/2020
MW-13	chloride	5/8/2024	60.50	7.3	26.511	---	4/11/2018	NA	4/20/2020
MW-13	chloride	10/29/2024	38.40	7.3	35.024	---	4/11/2018	NA	4/20/2020
MW-13	chloride	4/16/2025	88.10	7.3	33.340	---	4/11/2018	NA	4/20/2020
MW-13	chloride	11/5/2025	57.60	7.3	43.424	---	4/11/2018	NA	4/20/2020

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MW-13	iron	4/11/2018	<500	100	---	---	10/8/2019	NA	4/20/2020
MW-13	iron	10/30/2018	<500	100	---	---	10/8/2019	NA	4/20/2020
MW-13	iron	4/1/2019	<500	100	---	---	10/8/2019	NA	4/20/2020
MW-13	iron	10/8/2019	1780.00	100	0.000	---	10/8/2019	NA	4/20/2020
MW-13	iron	4/20/2020	1370.00	100	234.327	---	10/8/2019	NA	4/20/2020
MW-13	iron	10/20/2020	<500	100	234.327	---	10/8/2019	NA	4/20/2020
MW-13	iron	4/26/2021	<500	100	234.327	---	10/8/2019	NA	4/20/2020
MW-13	iron	8/16/2021	3430.00	100	26.510	---	10/8/2019	NA	4/20/2020
MW-13	iron	6/1/2022	1710.00	100	100.267	---	10/8/2019	NA	4/20/2020
MW-13	iron	10/3/2022	1740.00	100	656.681	---	10/8/2019	NA	4/20/2020
MW-13	iron	5/3/2023	1200.00	100	1178.127	---	10/8/2019	NA	4/20/2020
MW-13	iron	10/11/2023	747.00	100	940.653	---	10/8/2019	NA	4/20/2020
MW-13	iron	5/8/2024	6370.00	100	0.000	---	10/8/2019	NA	4/20/2020
MW-13	iron	10/29/2024	<500	100	0.000	---	10/8/2019	NA	4/20/2020
MW-13	iron	4/16/2025	<500	100	0.000	---	10/8/2019	NA	4/20/2020
MW-13	iron	11/5/2025	<500	100	0.000	---	10/8/2019	NA	4/20/2020

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MW-13	Specific Conductance	4/11/2018	1332	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	10/30/2018	1578	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	4/1/2019	1590	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	10/8/2019	1854	1188.4824	1403.842	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	4/20/2020	1680	1188.4824	1565.161	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	10/20/2020	990	1188.4824	1203.436	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	4/26/2021	1595	1188.4824	1204.442	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	8/16/2021	1209	1188.4824	1086.970	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	6/1/2022	938	1188.4824	924.304	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	10/3/2022	917	1188.4824	890.949	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	5/3/2023	1446	1188.4824	910.529	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	10/11/2023	990	1188.4824	855.622	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	5/8/2024	1550	1188.4824	949.819	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	10/29/2024	1604	1188.4824	1155.474	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	4/16/2025	1402	1191.9785	1145.932	---	4/11/2018	NA	4/20/2020
MW-13	Specific Conductance	11/5/2025	1112	1193.5613	1226.010	---	4/11/2018	NA	4/20/2020

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MW-13	TOX	4/11/2018	69.20	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	10/30/2018	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	4/1/2019	72.70	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	10/8/2019	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	4/20/2020	54.10	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	10/20/2020	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	4/26/2021	31.00	11.4	26.284	---	4/11/2018	NA	6/1/2022
MW-13	TOX	8/16/2021	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	6/1/2022	11.00	11.4	26.421	---	4/11/2018	NA	6/1/2022
MW-13	TOX	10/3/2022	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	5/3/2023	77.00	11.4	27.906	---	4/11/2018	NA	6/1/2022
MW-13	TOX	10/11/2023	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	5/8/2024	<40	11.4	27.906	---	4/11/2018	NA	6/1/2022
MW-13	TOX	10/29/2024	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-13	TOX	4/16/2025	103.00	11.4	24.330	---	4/11/2018	NA	6/1/2022
MW-13	TOX	11/5/2025	NT	11.4	---	---	4/11/2018	NA	6/1/2022

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

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MW-14	1,2-dichloropropane	4/11/2018	1.13	1.0	---	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	10/30/2018	<1.0	1.0	---	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	4/1/2019	<1.0	1.0	---	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	10/8/2019	<1.0	1.0	0.385	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	5/28/2020	<1.0	1.0	0.500	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	10/20/2020	1.17	1.0	0.377	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	4/26/2021	1.03	1.0	0.496	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	8/16/2021	1.55	1.0	0.686	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	6/1/2022	<1.0	1.0	0.686	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	10/3/2022	Dry	1.0	0.686	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	5/3/2023	<1.0	1.0	0.303	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	10/11/2023	<1.0	1.0	0.145	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	5/8/2024	<1.0	1.0	0.500	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	10/29/2024	<1.0	1.0	0.500	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	4/16/2025	<1.0	1.0	0.500	5	4/11/2018	NA	5/28/2020
MW-14	1,2-dichloropropane	11/5/2025	<1.0	1.0	0.500	5	4/11/2018	NA	5/28/2020

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MW-14	benzene	4/11/2018	0.592	0.5	---	5	4/11/2018	NA	4/20/2020
MW-14	benzene	10/30/2018	<0.5	0.5	---	5	4/11/2018	NA	4/20/2020
MW-14	benzene	4/1/2019	0.561	0.5	---	5	4/11/2018	NA	4/20/2020
MW-14	benzene	10/8/2019	0.627	0.5	0.357	5	4/11/2018	NA	4/20/2020
MW-14	benzene	4/20/2020	0.628	0.5	0.360	5	4/11/2018	NA	4/20/2020
MW-14	benzene	10/20/2020	0.713	0.5	0.578	5	4/11/2018	NA	4/20/2020
MW-14	benzene	4/26/2021	<0.5	0.5	0.375	5	4/11/2018	NA	4/20/2020
MW-14	benzene	8/16/2021	<0.5	0.5	0.248	5	4/11/2018	NA	4/20/2020
MW-14	benzene	6/1/2022	<0.5	0.5	0.165	5	4/11/2018	NA	4/20/2020
MW-14	benzene	10/3/2022	Dry	0.5	0.165	5	4/11/2018	NA	4/20/2020
MW-14	benzene	5/3/2023	<0.5	0.5	0.250	5	4/11/2018	NA	4/20/2020
MW-14	benzene	10/11/2023	<0.5	0.5	0.250	5	4/11/2018	NA	4/20/2020
MW-14	benzene	5/8/2024	0.678	0.5	0.105	5	4/11/2018	NA	4/20/2020
MW-14	benzene	10/29/2024	0.531	0.5	0.176	5	4/11/2018	NA	4/20/2020
MW-14	benzene	4/16/2025	<0.5	0.5	0.176	5	4/11/2018	NA	4/20/2020
MW-14	benzene	11/5/2025	0.562	0.5	0.292	5	4/11/2018	NA	4/20/2020

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MW-14	cis-1,2-dichloroethylene	4/11/2018	59.80	1.0	---	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	10/30/2018	21.40	1.0	---	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	4/1/2019	45.30	1.0	---	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	10/8/2019	54.40	1.0	30.526	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	4/20/2020	63.60	1.0	30.476	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	10/20/2020	73.20	1.0	48.738	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	4/26/2021	56.10	1.0	54.401	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	8/16/2021	74.30	1.0	59.351	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	6/1/2022	33.30	1.0	42.609	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	10/3/2022	Dry	1.0	42.609	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	5/3/2023	36.60	1.0	27.693	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	10/11/2023	41.60	1.0	24.245	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	5/8/2024	49.30	1.0	32.013	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	10/29/2024	39.00	1.0	35.145	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	4/16/2025	45.00	1.0	38.484	70	4/11/2018	NA	4/20/2020
MW-14	cis-1,2-dichloroethylene	11/5/2025	50.00	1.0	39.875	70	4/11/2018	NA	4/20/2020

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MW-14	TCE	4/11/2018	1.13	1.0	---	5	4/11/2018	NA	4/20/2020
MW-14	TCE	10/30/2018	<1.0	1.0	---	5	4/11/2018	NA	4/20/2020
MW-14	TCE	4/1/2019	<1.0	1.0	---	5	4/11/2018	NA	4/20/2020
MW-14	TCE	10/8/2019	<1.0	1.0	0.385	5	4/11/2018	NA	4/20/2020
MW-14	TCE	4/20/2020	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	10/20/2020	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	4/26/2021	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	8/16/2021	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	6/1/2022	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	10/3/2022	Dry	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	5/3/2023	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	10/11/2023	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	5/8/2024	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	10/29/2024	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	4/16/2025	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020
MW-14	TCE	11/5/2025	<1.0	1.0	0.500	5	4/11/2018	NA	4/20/2020

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MW-14	COD	4/11/2018	6.60	21.2	---	---	5/3/2023	NA	4/20/2020
MW-14	COD	10/30/2018	<5.0	21.2	---	---	5/3/2023	NA	4/20/2020
MW-14	COD	4/1/2019	12.8	21.2	---	---	5/3/2023	NA	4/20/2020
MW-14	COD	10/8/2019	<5.0	21.2	1.885	---	5/3/2023	NA	4/20/2020
MW-14	COD	4/20/2020	6.24	21.2	1.803	---	5/3/2023	NA	4/20/2020
MW-14	COD	10/20/2020	<5.0	21.2	1.803	---	5/3/2023	NA	4/20/2020
MW-14	COD	4/26/2021	15.50	21.2	1.372	---	5/3/2023	NA	4/20/2020
MW-14	COD	8/16/2021	12.50	21.2	4.080	---	5/3/2023	NA	4/20/2020
MW-14	COD	6/1/2022	13.90	21.2	6.023	---	5/3/2023	NA	4/20/2020
MW-14	COD	10/3/2022	Dry	21.2	6.023	---	5/3/2023	NA	4/20/2020
MW-14	COD	5/3/2023	29.60	21.2	11.023	---	5/3/2023	NA	4/20/2020
MW-14	COD	10/11/2023	42.60	21.2	12.302	---	5/3/2023	NA	4/20/2020
MW-14	COD	5/8/2024	22.60	21.2	16.675	---	5/3/2023	NA	4/20/2020
MW-14	COD	10/29/2024	28.40	21.2	23.491	---	5/3/2023	NA	4/20/2020
MW-14	COD	4/16/2025	20.20	21.2	19.754	---	5/3/2023	NA	4/20/2020
MW-14	COD	11/5/2025	16.40	21.2	17.545	---	5/3/2023	NA	4/20/2020

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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-14	chloride	4/11/2018	48.20	7.3	---	---	4/11/2018	NA	4/20/2020
MW-14	chloride	10/30/2018	20.50	7.3	---	---	4/11/2018	NA	4/20/2020
MW-14	chloride	4/1/2019	36.50	7.3	---	---	4/11/2018	NA	4/20/2020
MW-14	chloride	10/8/2019	30.50	7.3	23.895	---	4/11/2018	NA	4/20/2020
MW-14	chloride	4/20/2020	41.60	7.3	24.423	---	4/11/2018	NA	4/20/2020
MW-14	chloride	10/20/2020	50.20	7.3	32.476	---	4/11/2018	NA	4/20/2020
MW-14	chloride	4/26/2021	51.00	7.3	35.054	---	4/11/2018	NA	4/20/2020
MW-14	chloride	8/16/2021	50.30	7.3	44.409	---	4/11/2018	NA	4/20/2020
MW-14	chloride	6/1/2022	50.00	7.3	49.998	---	4/11/2018	NA	4/20/2020
MW-14	chloride	10/3/2022	Dry	7.3	49.998	---	4/11/2018	NA	4/20/2020
MW-14	chloride	5/3/2023	58.80	7.3	48.884	---	4/11/2018	NA	4/20/2020
MW-14	chloride	10/11/2023	109.00	7.3	42.535	---	4/11/2018	NA	4/20/2020
MW-14	chloride	5/8/2024	129.00	7.3	53.489	---	4/11/2018	NA	4/20/2020
MW-14	chloride	10/29/2024	130.00	7.3	77.804	---	4/11/2018	NA	4/20/2020
MW-14	chloride	4/16/2025	128.00	7.3	115.311	---	4/11/2018	NA	4/20/2020
MW-14	chloride	11/5/2025	97.90	7.3	107.740	---	4/11/2018	NA	4/20/2020

Table 7

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Plymouth County Sanitary Landfill

Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-14	Specific Conductance	4/11/2018	1227	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	10/30/2018	1317	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	4/1/2019	1328	1188.4824	---	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	10/8/2019	1338	1188.4824	1258.282	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	4/20/2020	1541	1188.4824	1288.326	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	10/20/2020	1542	1188.4824	1332.939	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	4/26/2021	1570	1188.4824	1404.787	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	8/16/2021	1608	1188.4824	1537.961	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	6/1/2022	1382	1188.4824	1439.403	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	10/3/2022	Dry	1188.4824	1439.403	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	5/3/2023	1501	1188.4824	1429.287	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	10/11/2023	1600	1188.4824	1431.209	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	5/8/2024	1662	1188.4824	1430.287	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	10/29/2024	1606	1188.4824	1534.283	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	4/16/2025	1653	1191.9785	1602.733	---	4/11/2018	NA	4/20/2020
MW-14	Specific Conductance	11/5/2025	1564	1193.5613	1581.947	---	4/11/2018	NA	4/20/2020

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-14	TOX	4/11/2018	90.60	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	10/30/2018	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	4/1/2019	117.00	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	10/8/2019	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	4/20/2020	85.60	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	10/20/2020	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	4/26/2021	76.00	11.4	33.446	---	4/11/2018	NA	6/1/2022
MW-14	TOX	8/16/2021	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	6/1/2022	76.00	11.4	28.737	---	4/11/2018	NA	6/1/2022
MW-14	TOX	10/3/2022	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	5/3/2023	93.00	11.4	29.523	---	4/11/2018	NA	6/1/2022
MW-14	TOX	10/11/2023	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	5/8/2024	299.00	11.4	9.733	---	4/11/2018	NA	6/1/2022
MW-14	TOX	10/29/2024	NT	11.4	---	---	4/11/2018	NA	6/1/2022
MW-14	TOX	4/16/2025	90.50	11.4	23.504	---	4/11/2018	NA	6/1/2022
MW-14	TOX	11/5/2025	NT	11.4	---	---	4/11/2018	NA	6/1/2022

Bold Result = A value that exceeds the GWPS.
Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	COD	4/20/2020	<5.0	21.2	---	---	6/1/2022	NA	6/1/2022
MW-16	COD	10/20/2020	8.23	21.2	---	---	6/1/2022	NA	6/1/2022
MW-16	COD	4/26/2021	7.05	21.2	---	---	6/1/2022	NA	6/1/2022
MW-16	COD	8/16/2021	9.89	21.2	4.175	---	6/1/2022	NA	6/1/2022
MW-16	COD	6/1/2022	38.20	21.2	2.895	---	6/1/2022	NA	6/1/2022
MW-16	COD	10/3/2022	50.40	21.2	7.931	---	6/1/2022	NA	6/1/2022
MW-16	COD	5/3/2023	12.10	21.2	10.428	---	6/1/2022	NA	6/1/2022
MW-16	COD	10/11/2023	28.70	21.2	18.355	---	6/1/2022	NA	6/1/2022
MW-16	COD	5/8/2024	12.90	21.2	10.473	---	6/1/2022	NA	6/1/2022
MW-16	COD	10/29/2024	24.60	21.2	12.347	---	6/1/2022	NA	6/1/2022
MW-16	COD	4/16/2025	7.14	21.2	9.652	---	6/1/2022	NA	6/1/2022
MW-16	COD	11/5/2025	5.23	21.2	4.915	---	6/1/2022	NA	6/1/2022

Table 7

KEY:

SSI

SSL LCL>GWPS

Summary of Ongoing & Newly Identified SSI

Annual Water Quality Report

Plymouth County Sanitary Landfill

Permit No. 75-SDP-01-74P

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	chloride	4/20/2020	12.00	7.3	---	---	4/20/2020	NA	6/1/2022
MW-16	chloride	10/20/2020	27.80	7.3	---	---	4/20/2020	NA	6/1/2022
MW-16	chloride	4/26/2021	5.50	7.3	---	---	4/20/2020	NA	6/1/2022
MW-16	chloride	8/16/2021	8.80	7.3	4.969	---	4/20/2020	NA	6/1/2022
MW-16	chloride	6/1/2022	9.73	7.3	4.245	---	4/20/2020	NA	6/1/2022
MW-16	chloride	10/3/2022	9.58	7.3	6.690	---	4/20/2020	NA	6/1/2022
MW-16	chloride	5/3/2023	6.95	7.3	7.660	---	4/20/2020	NA	6/1/2022
MW-16	chloride	10/11/2023	7.89	7.3	7.370	---	4/20/2020	NA	6/1/2022
MW-16	chloride	5/8/2024	6.27	7.3	6.430	---	4/20/2020	NA	6/1/2022
MW-16	chloride	10/29/2024	7.40	7.3	6.531	---	4/20/2020	NA	6/1/2022
MW-16	chloride	4/16/2025	9.75	7.3	6.572	---	4/20/2020	NA	6/1/2022
MW-16	chloride	11/5/2025	9.31	7.3	6.768	---	4/20/2020	NA	6/1/2022

Table 7
Summary of Ongoing & Newly Identified SSI
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL LCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	GWPS Limit (ug/L)	SSI Initial Exceedance	Resamples Due	5th Background Sample
MW-16	Specific Conductance	4/20/2020	1524	1188.4824	---	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	10/20/2020	1680	1188.4824	---	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	4/26/2021	1436	1188.4824	---	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	8/16/2021	1382	1188.4824	1392.723	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	6/1/2022	1103	1188.4824	1195.172	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	10/3/2022	1134	1188.4824	1116.841	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	5/3/2023	1319	1188.4824	1115.873	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	10/11/2023	1432	1188.4824	1111.987	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	5/8/2024	1335	1188.4824	1197.220	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	10/29/2024	1302	1188.4824	1296.557	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	4/16/2025	1645	1191.9785	1294.682	---	4/20/2020	NA	6/1/2022
MW-16	Specific Conductance	11/5/2025	1520	1193.5613	1310.810	---	4/20/2020	NA	6/1/2022

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 8 - Summary of Ongoing of Identified SSL

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-7	1,2-dichloropropane	4/11/2018	9.81	---	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	10/30/2018	8.62	---	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	4/1/2019	5.10	---	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	10/8/2019	7.25	9.446	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	4/20/2020	10.00	9.552	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	10/20/2020	9.41	9.873	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	4/26/2021	7.34	9.723	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	8/16/2021	13.50	12.279	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	6/1/2022	10.60	12.440	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	10/3/2022	11.80	13.063	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	5/3/2023	12.50	13.534	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	10/11/2023	12.90	13.136	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	5/8/2024	12.50	12.963	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	10/29/2024	5.70	14.984	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	4/16/2025	8.35	13.926	5	10/8/2019	NA	NA	NA
MW-7	1,2-dichloropropane	11/5/2025	7.36	11.884	5	10/8/2019	NA	NA	NA

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-7	cis-1,2-dichloroethylene	4/11/2018	152.00	---	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	10/30/2018	113.00	---	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	4/1/2019	66.30	---	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	10/8/2019	117.00	142.548	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	4/20/2020	193.00	167.737	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	10/20/2020	198.00	198.535	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	4/26/2021	112.00	195.577	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	8/16/2021	240.00	232.077	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	6/1/2022	147.00	222.996	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	10/3/2022	168.00	213.533	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	5/3/2023	174.00	229.540	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	10/11/2023	203.00	200.182	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	5/8/2024	216.00	217.285	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	10/29/2024	131.00	225.316	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	4/16/2025	175.00	225.497	70	10/8/2019	NA	NA	NA
MW-7	cis-1,2-dichloroethylene	11/5/2025	171.00	214.115	70	10/8/2019	NA	NA	NA

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-7	TCE	4/11/2018	11.10	---	5	10/8/2019	NA	NA	NA
MW-7	TCE	10/30/2018	10.30	---	5	10/8/2019	NA	NA	NA
MW-7	TCE	4/1/2019	5.36	---	5	10/8/2019	NA	NA	NA
MW-7	TCE	10/8/2019	6.71	10.765	5	10/8/2019	NA	NA	NA
MW-7	TCE	4/20/2020	20.40	16.581	5	10/8/2019	NA	NA	NA
MW-7	TCE	10/20/2020	17.30	18.961	5	10/8/2019	NA	NA	NA
MW-7	TCE	4/26/2021	10.00	19.088	5	10/8/2019	NA	NA	NA
MW-7	TCE	8/16/2021	12.30	19.085	5	10/8/2019	NA	NA	NA
MW-7	TCE	6/1/2022	7.03	15.413	5	10/8/2019	NA	NA	NA
MW-7	TCE	10/3/2022	6.27	11.307	5	10/8/2019	NA	NA	NA
MW-7	TCE	5/3/2023	7.50	11.487	5	10/8/2019	NA	NA	NA
MW-7	TCE	10/11/2023	9.37	9.095	5	10/8/2019	NA	NA	NA
MW-7	TCE	5/8/2024	15.00	14.075	5	10/8/2019	NA	NA	NA
MW-7	TCE	10/29/2024	7.81	14.018	5	10/8/2019	NA	NA	NA
MW-7	TCE	4/16/2025	14.00	15.656	5	10/8/2019	NA	NA	NA
MW-7	TCE	11/5/2025	10.00	15.674	5	10/8/2019	NA	NA	NA

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-7	Vinyl Chloride	4/11/2018	1.87	---	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	10/30/2018	1.98	---	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	4/1/2019	<1.0	---	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	10/8/2019	1.45	2.033	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	4/20/2020	3.15	2.727	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	10/20/2020	3.48	3.368	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	4/26/2021	1.02	3.333	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	8/16/2021	2.84	3.575	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	6/1/2022	1.47	3.199	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	10/3/2022	1.38	2.370	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	5/3/2023	3.11	3.261	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	10/11/2023	4.28	4.201	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	5/8/2024	5.77	5.818	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	10/29/2024	9.39	8.847	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	4/16/2025	8.95	10.010	2	NA	NA	NA	NA
MW-7	Vinyl Chloride	11/5/2025	5.79	9.787	2	NA	NA	NA	NA

Bold Result = A value that exceeds the GWPS.
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Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-8	cis-1,2-dichloroethylene	4/11/2018	80.80	---	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	10/30/2018	82.60	---	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	4/1/2019	75.70	---	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	10/8/2019	85.80	84.883	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	4/20/2020	1.21	96.228	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	5/28/2020	57.10	87.644	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	10/20/2020	76.40	87.931	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	4/26/2021	61.20	77.478	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	8/16/2021	85.90	81.742	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	6/1/2022	59.40	81.696	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	10/3/2022	50.20	77.394	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	5/3/2023	53.80	81.341	70	10/8/2019	NA	NA	NA
MW-8	cis-1,2-dichloroethylene	10/11/2023	45.70	59.088	70	10/8/2019	NA	NA	0.00
MW-8	cis-1,2-dichloroethylene	5/8/2024	57.10	57.455	70	10/8/2019	NA	NA	0.50
MW-8	cis-1,2-dichloroethylene	10/29/2024	14.80	65.557	70	10/8/2019	NA	NA	1.00
MW-8	cis-1,2-dichloroethylene	4/16/2025	26.40	58.328	70	10/8/2019	NA	NA	1.50
MW-8	cis-1,2-dichloroethylene	11/5/2025	38.90	55.600	70	10/8/2019	NA	NA	2.00

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-8	vinyl chloride	4/11/2018	2.74	---	2	NA	NA	NA	NA
MW-8	vinyl chloride	10/30/2018	2.18	---	2	NA	NA	NA	NA
MW-8	vinyl chloride	4/1/2019	5.33	---	2	NA	NA	NA	NA
MW-8	vinyl chloride	10/8/2019	7.13	6.344	2	NA	NA	NA	NA
MW-8	vinyl chloride	4/20/2020	1.73	6.328	2	NA	NA	NA	NA
MW-8	vinyl chloride	10/20/2020	3.25	6.407	2	NA	NA	NA	NA
MW-8	vinyl chloride	4/26/2021	2.16	5.698	2	NA	NA	NA	NA
MW-8	vinyl chloride	8/16/2021	2.40	2.939	2	NA	NA	NA	NA
MW-8	vinyl chloride	6/1/2022	2.72	3.041	2	NA	NA	NA	NA
MW-8	vinyl chloride	10/3/2022	1.62	2.627	2	NA	NA	NA	NA
MW-8	vinyl chloride	5/3/2023	2.16	2.771	2	NA	NA	NA	NA
MW-8	vinyl chloride	10/11/2023	1.03	2.735	2	NA	NA	NA	NA
MW-8	vinyl chloride	5/8/2024	1.51	2.126	2	NA	NA	NA	NA
MW-8	vinyl chloride	10/29/2024	<1.0	2.131	2	NA	NA	NA	NA
MW-8	vinyl chloride	4/16/2025	<1.0	1.456	2	NA	NA	NA	0.00
MW-8	vinyl chloride	11/5/2025	<1.0	1.347	2	NA	NA	NA	0.50

Table 8
Summary of Ongoing & Newly Identified SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:

SSI

SSL UCL>GWPS

Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)	SSL Initial Exceedance	Compliance Date 1st Occurrence	Compliance Date Most Recent	Compliance Date Duration (years)
MW-12	vinyl chloride	4/11/2018	4.48	---	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	10/30/2018	9.14	---	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	4/1/2019	8.96	---	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	10/8/2019	6.50	9.189	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	4/20/2020	4.90	9.144	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	10/20/2020	5.41	8.007	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	4/26/2021	3.57	6.148	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	8/16/2021	4.08	5.202	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	6/1/2022	1.56	5.039	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	10/3/2022	7.15	6.092	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	5/3/2023	4.19	6.934	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	10/11/2023	3.56	6.836	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	5/8/2024	4.30	6.682	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	10/29/2024	5.48	5.325	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	4/16/2025	4.40	5.305	2	10/8/2019	NA	NA	NA
MW-12	vinyl chloride	11/5/2025	5.38	5.666	2	10/8/2019	NA	NA	NA

Table 9 – Analytical Data Summary

Table 9

Analytical Data Summary for MW-10

Constituents	Units	8/9/1996	10/10/1996	1/21/1997	4/17/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1								
1,1-Dichloroethene	ug/L	<1	<1	<2	<2								
1,2-Dichloroethane	ug/L	<1.0	<.4	<.4	<.4							<.4	<.4
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	1.100	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	ug/L	<1.0	<1.0	<.5	<.5							<.5	<.5
Chemical Oxygen Demand	mg/L	140.0	<5.0	5.7	<5.0	<5.0	<5.0	<5.0	63.0	<5.0	<5.0	<5.0	<5.0
Chloride	mg/L	13.0	14.0	15.0	22.0	19.0	19.6	20.0	21.0	21.0	18.6	19.7	16.7
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	<100	<100	<100	150	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride	ug/L												
pH	S.U.	8.10	6.70	6.80	6.50	6.50	6.40	6.50	6.40	6.30	6.30	6.40	7.00
Phenols	mg/L					.0300		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	787	695	625	724	644	684	742	713	774	700	729	570
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					12.0		19.0					
Trichloroethene	ug/L	<1	<1	<2	<1					13.0		11.0	<1
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-10

Constituents	10/23/2001	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007
1,1,1-Trichloroethane					<2								
1,1-Dichloroethene					<.4								
1,2-Dichloroethane	<.4												
1,2-Dichloropropane													
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	<.5				<.5								
Chemical Oxygen Demand	<5.0	5.7	6.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	11.3	12.1	8.0
Chloride	18.6	17.9	17.8	23.0	23.6	24.0	26.2	28.1	28.7	26.2	25.1	28.8	31.1
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride													
pH	6.90	6.50	7.10	7.00	7.30	6.60	7.00	6.80	6.70	6.90	7.00	7.00	7.50
Phenols	<.0200	.0100	<.0200	<.0200		<.0200		<.0200		<.0434		<.0200	
Specific Conductance	740	463	645	753	550	693	532	575	1051	879	972	943	1062
Tetrachloroethene													
Total Organic Halogens	<10.0	5.0	12.0	<10.0		<10.0		<10.0		<10.0		<10.0	
Trichloroethene	<1				<1								
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-10

Constituents	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014
1,1,1-Trichloroethane								<1			<1	<1	<1
1,1-Dichloroethene								<1.0			<1.0	<1.0	<1.0
1,2-Dichloroethane								<1			<1	<1	<1
1,2-Dichloropropane								<1			<1	<1	<1
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene								<.5			<.5	<.5	<.5
Chemical Oxygen Demand	<5.0	11.4	10.4	<5.0	9.6	21.8	9.1	26.7	<5.0	43.2	12.2	62.1	6.7
Chloride	33.9	35.4	37.4	39.6	50.8	52.4	51.8	65.7	56.1	46.7	47.0	58.5	55.4
Chlorodibromomethane								<5			<5	<5	<5
cis-1,2-Dichloroethene								3.59			4.18	3.16	2.79
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride								<5			<5	<5	<5
pH	6.90	6.70	6.90	7.00	6.80	6.80	6.60	6.80	6.70	6.80	6.90	6.90	6.90
Phenols	<.0200		<.0180		<.0180		<.0180		<.0200		<.0200		<.0200
Specific Conductance	1199	1069	982	973	1045	1100	1014	1141	1075	1258	1166	1297	1248
Tetrachloroethene								<1			<1	<1	<1
Total Organic Halogens	11.9		<10.0		16.1		28.0		20.3		<30.0		<30.0
Trichloroethene								<1			<1	<1	<1
Vinyl Chloride								<1			<1	<1	<1
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-10

Constituents	10/6/2014	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1-Dichloroethene													
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	15.8	12.5	18.9	24.6	41.8	<5.0	12.1	21.4	55.1	37.8	44.5	53.4	64.2
Chloride	69.7	81.8	80.2	101.0	179.0	112.0	85.4	102.0	140.0	372.0	196.0	295.0	269.0
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis-1,2-Dichloroethene	1.06	3.37	2.49	<1.00	1.01	1.86	3.00	2.37	<1.00	<1.00	<1.00	5.16	2.39
Iron, Dissolved	<100	<100	<100	<100	<100	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.90	6.90	6.80	7.00	6.50	6.72	6.78	5.74	6.80	6.84	6.67	6.73	7.04
Phenols		<.0188		<.0188		<.0192		<.0180		<.0200		<.0200	
Specific Conductance	1394	1374	1394	1241	1785	1325	1146	1200	1776	1890	1855	1861	2520
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens		<30.0		<30.0		52.4		50.0		64.2		<40.0	
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-10

Constituents	4/26/2021	8/16/2021	6/1/2022	5/3/2023	10/11/2023	5/2/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane			<1		<1	<1	<1	<1	<1
1,1-Dichloroethene									
1,2-Dichloroethane			<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	.294	<.200	<.200
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	66.8	28.6	36.2	26.6	40.9	14.6	29.1	51.0	32.5
Chloride	392.0	115.0	107.0	166.0	101.0	153.0	149.0	110.0	170.0
Chlorodibromomethane			<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	1.17	2.11	2.16	<1.00	<1.00	<1.00	<1.00	2.14	<1.00
Iron, Dissolved	<500	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	7.09	6.90	7.39	6.91	7.30		6.74	6.70	6.80
Phenols	<.0188		<.0200	<.0200		<.0220		<.0200	
Specific Conductance	1999	1673	1472	1538	1394		1602	1349	1351
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens	76.0		41.0	45.0		185.0		<60.0	
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Temperature				12.4	11.1				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-11

Constituents	Units	7/12/1996	10/10/1996	1/21/1997	4/17/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001
1,1,1-Trichloroethane	ug/L	<1.0	1.1	<1.0	<1.0								
1,1-Dichloroethene	ug/L	<1	<1	<2	<2								
1,2-Dichloroethane	ug/L	<1.0	<.4	<.4	<.4							<.4	<.4
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	ug/L	<1.0	<1.0	<.5	<.5							<.5	<.5
Chemical Oxygen Demand	mg/L	5.70	5.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chloride	mg/L	19.0	19.0	22.0	20.0	28.0	20.2	32.0	37.0	33.0	6.4	5.5	12.9
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	3600	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride	ug/L												
pH	S.U.	6.60	6.80	6.80	6.60	6.80	6.70	6.70	6.50	6.50	7.10	6.90	7.10
Phenols	mg/L					<.0200		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	465	622	515	537	543	625	667	707	736	737	740	428
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					<10.0		15.0		11.0		<10.0	
Trichloroethene	ug/L	<1	<1	<1	<1							<1	<1
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-11

Constituents	10/23/2001	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007
1,1,1-Trichloroethane													
1,1-Dichloroethene					<2								
1,2-Dichloroethane	<.4				<.4								
1,2-Dichloropropane													
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	.27	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	<.5				<.5								
Chemical Oxygen Demand	<5.00	5.40	23.00	7.80	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	10.60	13.70	8.30
Chloride	16.0	18.0	18.8	12.3	15.8	23.4	44.9	56.3	50.5	38.2	14.0	16.0	23.9
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	274	<100	<100	3090
Methylene Chloride													
pH	7.20	6.30	7.30	7.20	7.50	6.80	7.10	7.10	7.20	7.10	7.20	7.20	7.40
Phenols	<.0200	<.0200	<.0200	<.0200		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	733	784	684	735	832	615	1266	658	989	882	975	979	1030
Tetrachloroethene													
Total Organic Halogens	<10.0	<10.0	<10.0	<10.0		<10.0		<10.0		<10.0		<10.0	
Trichloroethene	<1				<1								
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-11

Constituents	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014
1,1,1-Trichloroethane								<1.0					
1,1-Dichloroethene								<1.0					
1,2-Dichloroethane								<1					
1,2-Dichloropropane								<.20					
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene								<.5					
Chemical Oxygen Demand	10.60	11.10	<5.00	<5.00	<5.00	18.70	5.40	26.00	<5.00	<5.00	<5.00	14.40	<5.00
Chloride	67.9	67.1	64.9	61.3	61.6	46.1	59.9	61.9	72.4	29.3	17.6	57.6	64.2
Chlorodibromomethane								<5					
cis-1,2-Dichloroethene								<1					
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	679	139	<100	<100	<100
Methylene Chloride								<5					
pH	6.90	6.90	6.80	7.00	6.90	6.90	6.80	7.00	6.90	7.00	7.20	6.70	7.10
Phenols	<.0200		<.0200		<.0180		<.0200		<.0200		<.0192		<.0210
Specific Conductance	1170	992	1034	1052	1121	1071	1039	1003	1060	1187	1121	1193	1178
Tetrachloroethene								<1					
Total Organic Halogens	11.1		15.6		18.9		25.0		29.6		<30.0		<30.0
Trichloroethene								<1					
Vinyl Chloride								<1					
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-11

Constituents	10/6/2014	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020
1,1,1-Trichloroethane													
1,1-Dichloroethene													
1,2-Dichloroethane													
1,2-Dichloropropane													
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene													
Chemical Oxygen Demand	9.00	8.67	7.94	6.47	6.74	<5.00	<5.00	13.30	7.82	16.60	<5.00	7.25	9.21
Chloride	45.1	78.7	84.3	61.1	78.5	102.0	91.8	89.3	75.1	81.0	69.2	72.0	84.1
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<500	<500	<500	<500	<500	<500	<500	1710
Methylene Chloride													
pH	7.20	7.10	7.00	7.00	7.00	6.85	6.91	6.85	6.88	6.84	6.91	6.64	7.17
Phenols		<.0180		<.0188		<.0200		<.0184		<.0200		<.0220	
Specific Conductance	1082	1215	1221	1218	1299	1234	1196	1175	1204	1296	1316	1416	1462
Tetrachloroethene													
Total Organic Halogens		<30.0		<30.0		41.9		<30.0		<30.0		<40.0	
Trichloroethene													
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-11

Constituents	4/26/2021	8/16/2021	6/1/2022	10/3/2022	5/3/2023	10/11/2023	5/2/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane										
1,1-Dichloroethene										
1,2-Dichloroethane										
1,2-Dichloropropane										
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene										
Chemical Oxygen Demand	15.10	8.90	7.59	6.54	8.40	9.48	6.24	52.20	23.30	9.77
Chloride	100.0	38.4	26.9	24.3	25.1	55.4	101.0	128.0	110.0	121.0
Chlorodibromomethane										
cis-1,2-Dichloroethene										
Iron, Dissolved	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride										
pH	6.90	7.86	7.26	7.63	6.75	7.01	7.33	7.03	7.44	7.26
Phenols	<.0188		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	1553	1465	1245	1266	1259	1300	1274	1345	1372	1369
Tetrachloroethene										
Total Organic Halogens	22.0		<10.0		<10.0		172.0		<60.0	
Trichloroethene										
Vinyl Chloride										
Water Temperature					13.5	11.2				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-12

Constituents	Units	10/10/1996	1/21/1997	4/17/1997	7/15/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001
1,1,1-Trichloroethane	ug/L	1.8	2.1	<1.0	1.9								
1,1-Dichloroethene	ug/L	<1	<2	<2	<2	<2	<2	<2		<2	<2		
1,2-Dichloroethane	ug/L	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	<.200	<.200	<.200	<.200	<.200	<.200	.210	<.200	<.200	<.200	<.200	<.200
Benzene	ug/L	<1.000	2.100	2.200	2.100	2.400	2.700	3.100	3.300	3.000	3.000	3.500	2.800
Chemical Oxygen Demand	mg/L	7.00	11.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chloride	mg/L	5.40	6.40	7.50	6.80	6.60	8.10	7.40	9.60	8.30	6.40	7.90	8.00
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride	ug/L												
pH	S.U.	6.40	6.20	6.20	6.10	5.00	6.00	6.00	6.00	5.80	5.70	5.80	6.70
Phenols	mg/L					<.0200		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	1026	922	1010	1017	906	1044	1046	1102	1171	1087	1129	1223
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					83.0		23.0		64.0		55.0	
Trichloroethene	ug/L	2.80	5.50	4.90	4.70	4.70	4.80	5.40	5.60	4.80	5.30	5.40	4.70
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-12

Constituents	10/23/2001	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007
1,1,1-Trichloroethane						<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene		<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<.40	<.40	<.40		<.40	1.33	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane													
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	4.300	3.600	3.590		2.880	<.500	2.740	2.300	1.760	1.220	1.110	1.330	1.690
Chemical Oxygen Demand	<5.00	8.50	22.00	13.00	<5.00	8.20	<5.00	<5.00	<5.00	<5.00	14.10	12.00	8.30
Chloride	16.20	17.40	27.00	43.10	81.10	60.40	50.10	21.50	21.40	9.88	14.50	10.70	23.90
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	300	1500	2290	650	816	3090
Methylene Chloride													
pH	6.40	6.20	6.70	6.70	6.80	6.30	6.60	6.40	6.60	6.70	6.70	7.20	6.60
Phenols	<.0200	<.0200	<.0200	<.0200		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	1165	1040	1051	1319	671	1106	496	182	1571	1374	1369	1270	1451
Tetrachloroethene													
Total Organic Halogens	58.0	59.0	44.0	57.0		54.0		38.0		41.4		33.8	
Trichloroethene	5.60	4.60	5.35		3.93	6.57	4.05	3.60	4.19	2.95	1.88	1.36	1.76
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-12

Constituents	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<4.0	<2.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane								<1			<1	<1	<1
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	1.240	1.200	1.410	1.390	1.390	1.240	1.300	.920	.940	.920	1.050	1.200	1.330
Chemical Oxygen Demand	9.20	9.40	6.10	9.80	<5.00	6.70	6.80	11.00	<5.00	<5.00	9.90	<5.00	<5.00
Chloride	13.20	19.80	9.30	9.80	11.00	25.90	16.00	14.20	12.30	9.37	9.32	35.80	23.80
Chlorodibromomethane								<5			<5	<5	<5
cis-1,2-Dichloroethene								33.0			58.3	51.7	57.3
Iron, Dissolved	465	1610	2400	7220	5400	6230	5660	5300	4510	7640	5970	8850	10100
Methylene Chloride								<5			<5	<5	<5
pH	6.30	6.50	6.80	6.80	6.50	6.70	6.50	6.70	6.60	6.40	6.50	6.70	6.50
Phenols	<.0200		<.0180		<.0180		<.0200		<.0376		<.0198		<.0200
Specific Conductance	1571	1377	1326	1371	1357	1399	1184	1205	1199	1518	1476	1523	1512
Tetrachloroethene								<1			<1	<1	<1
Total Organic Halogens	37.3		35.2		44.6		43.2		40.2		40.8		44.4
Trichloroethene	1.33	1.33	1.31	2.32	2.68	1.93	2.40	2.29	2.04	2.60	3.03	2.44	2.46
Vinyl Chloride								1.46			2.51	2.15	2.70
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-12

Constituents	10/6/2014	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0				
1,1-Dichloroethene													
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	1.070	1.320	1.620	1.490	1.350	1.340	1.650	1.610	1.520	1.450	1.870	1.860	2.010
Chemical Oxygen Demand	9.40	11.80	8.28	12.40	14.50	<5.00	<5.00	8.20	19.30	<5.00	7.63	<5.00	10.20
Chloride	37.90	63.70	61.40	130.00	106.00	42.90	19.20	15.20	42.60	31.50	12.00	11.20	12.30
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis-1,2-Dichloroethene	38.7	40.6	55.9	42.8	35.7	37.4	48.9	50.4	29.6	34.3	47.3	52.4	55.1
Iron, Dissolved	13500	19800	21700	15600	19200	13100	17100	22900	27900	20200	27400	24800	19400
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.60	6.50	6.40	6.60	6.90	6.46	6.42	6.42	6.44	6.30	6.46	6.43	6.75
Phenols		<.0180		<.0204		<.0196		<.0180		<.0196		<.0200	
Specific Conductance	1547	1601	1637	1786	1706	1375	1287	1304	1556	1399	1499	1386	1684
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens		64.8		50.5		46.2		41.9		37.4		<40.0	
Trichloroethene	1.88	1.77	2.37	<1.00	1.36	1.41	1.50	1.23	<1.00	1.18	<1.00	<1.00	1.54
Vinyl Chloride	2.36	2.03	2.59	2.73	4.56	3.29	5.18	4.48	9.14	8.96	6.50	4.90	5.41
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-12

Constituents	4/26/2021	8/16/2021	6/1/2022	10/3/2022	5/3/2023	10/11/2023	5/2/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane			<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene										
1,2-Dichloroethane			<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	.564	<.200	.369
Benzene	1.840	1.950	.784	1.460	1.270	1.160	1.190	.804	1.250	1.410
Chemical Oxygen Demand	16.20	11.40	5.93	6.19	15.50	20.30	7.24	19.10	20.90	7.67
Chloride	9.32	12.50	32.00	21.70	29.10	34.00	40.70	68.70	43.70	34.70
Chlorodibromomethane			<5	<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	49.0	64.7	31.0	35.2	31.9	31.3	32.5	18.3	33.4	29.3
Iron, Dissolved	27800	29900	25300	9460	10800	7290	6970	13800	14200	17200
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.69	6.54	6.64	6.49	6.57	6.54	6.62	6.45	6.73	6.66
Phenols	<.0188		<.0200		<.0220		<.0200		<.0200	
Specific Conductance	1637	1754	1371	1494	1481	1422	1440	1348	1355	1335
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens	42.0		48.0		47.0		146.0		<60.0	
Trichloroethene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	3.57	4.08	1.56	7.15	4.19	3.56	4.30	5.48	4.04	5.38
Water Temperature					15.0	13.3				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13

Constituents	Units	7/12/1996	10/10/1996	1/21/1997	4/17/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1								
1,1-Dichloroethene	ug/L	<1	<1	<2	<2								
1,2-Dichloroethane	ug/L	<1.0	<.4	<.4	<.4							<.4	<.4
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	.2	<.2	<.2
Benzene	ug/L	<1.0	<1.0	<.5	<.5							<.5	<.5
Chemical Oxygen Demand	mg/L	63.00	<5.00	7.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	22.00	<5.00	6.30
Chloride	mg/L	12.0	13.0	14.0	18.0	18.0	15.6	18.0	17.0	18.0	17.5	19.9	15.1
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	900	3400	3600	<100	490	200	50	50	720	1050	<100	160
Methylene Chloride	ug/L												
pH	S.U.	6.50	6.80	6.80	6.60	6.40	6.50	6.60	6.40	6.10	6.20	5.80	6.80
Phenols	mg/L					<.0200		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	390	475	479	645	548	584	525	605	558	517	536	648
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					<10.0		<10.0		138.0		<10.0	
Trichloroethene	ug/L	<1	<1	<1	<1							<1	<1
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13

Constituents	10/23/2001	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007
1,1,1-Trichloroethane				<2	<2								
1,1-Dichloroethene				<4	<4								
1,2-Dichloroethane	<.4												
1,2-Dichloropropane													
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene	<.5			<.5	<.5								
Chemical Oxygen Demand	<5.00	8.20	8.40	10.00	<5.00	12.00	<5.00	<5.00	<5.00	6.30	13.10	9.70	<5.00
Chloride	16.7	16.6	16.5	24.8	19.7	19.3	18.4	11.6	19.0	18.8	18.2	17.5	20.1
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	710	850	<100	880	<100	<100	150	340	560	934	178	177
Methylene Chloride													
pH	7.10	6.70	7.30	7.00	7.50	6.60	7.20	7.00	7.10	7.30	7.10	7.50	7.00
Phenols	<.0200	<.0200	<.0200	<.0200		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	530	423	499	930	646	792	346	608	764	641	687	668	868
Tetrachloroethene													
Total Organic Halogens	<10.0	<10.0	<10.0	23.0		<10.0		13.0		<10.0		<10.0	
Trichloroethene	<1			<1	<1								
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13

Constituents	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014
1,1,1-Trichloroethane								<1					
1,1-Dichloroethene								<1.0					
1,2-Dichloroethane								<1					
1,2-Dichloropropane								<2	<2	<2	<2	<2	<2
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.5					
Benzene								<5					
Chemical Oxygen Demand	<5.00	5.50	8.80	<5.00	9.60	17.90	12.10	14.30	<5.00	<5.00	<5.00	15.40	<5.00
Chloride	20.0	19.3	18.1	19.9	73.3	51.8	43.1	27.5	15.4	18.3	28.5	60.7	21.6
Chlorodibromomethane								<5					
cis-1,2-Dichloroethene								5.56					
Iron, Dissolved	<100	278	106	717	<100	1840	1660	211	121	241	<100	172	153
Methylene Chloride								<5					
pH	7.00	7.20	6.80	7.02	6.90	6.60	6.60	6.80	6.80	7.05	6.70	6.90	7.10
Phenols	<.0200		<.0180		<.0200		<.0200		<.0180		<.0196		<.0200
Specific Conductance	804	1057	747	759	1205	1329	1115	1018	1084	806	1336	1421	847
Tetrachloroethene								<1					
Total Organic Halogens	<10.0		5.0		17.1		19.5		16.0		<30.0		<30.0
Trichloroethene								<1					
Vinyl Chloride								<1					
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13

Constituents	10/6/2014	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020
1,1,1-Trichloroethane													
1,1-Dichloroethene													
1,2-Dichloroethane													
1,2-Dichloropropane													
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene													
Chemical Oxygen Demand	8.30	10.10	7.94	15.30	10.60	5.23	6.51	17.20	18.60	32.50	60.20	26.70	8.56
Chloride	77.7	143.0	75.7	93.2	73.8	130.0	62.8	124.0	132.0	147.0	179.0	116.0	32.5
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<500	663	<500	<500	<500	1780	1370	<500
Methylene Chloride													
pH	6.80	6.80	6.76	6.87	6.89	6.65	6.62	6.77	6.70	6.66	6.62	7.10	7.54
Phenols		<.0180		<.0188		<.0200		<.0184		<.0192		<.0200	
Specific Conductance	1590	1583	1204	1195	1159	1341	1193	1332	1578	1590	1854	1680	990
Tetrachloroethene													
Total Organic Halogens		48.2		<30.0		55.9		69.2		72.7		54.1	
Trichloroethene													
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-13

Constituents	4/26/2021	8/16/2021	6/1/2022	10/3/2022	5/3/2023	10/11/2023	5/8/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane										
1,1-Dichloroethene										
1,2-Dichloroethane										
1,2-Dichloropropane										
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene										
Chemical Oxygen Demand	22.50	12.50	20.90	13.50	23.50	20.30	23.70	42.60	38.80	29.50
Chloride	85.2	33.1	24.7	21.7	73.0	33.1	60.5	38.4	88.1	57.6
Chlorodibromomethane										
cis-1,2-Dichloroethene										
Iron, Dissolved	<500	3430	1710	1740	1200	747	6370	<500	<500	<500
Methylene Chloride										
pH	6.90	7.41	7.02	7.14	6.93	6.87	6.63	6.84	6.88	7.37
Phenols	<.0200		<.0200		<.0200		<.0208		<.0200	
Specific Conductance	1595	1209	938	917	1446	990	1550	1604	1402	1112
Tetrachloroethene										
Total Organic Halogens	31.0		11.0		77.0		<40.0		103.0	
Trichloroethene										
Vinyl Chloride										
Water Temperature					12.1	10.8				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	Units	7/12/1996	10/10/1996	1/21/1997	4/17/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001
1,1,1-Trichloroethane	ug/L	<1.00	4.20	3.30	<1.00								
1,1-Dichloroethene	ug/L	<1	<1	<2	<2	<2	<2	<2		<2	<2		
1,2-Dichloroethane	ug/L	<1.00	<.40	<.40	<.40	.41	<.40	.54	1.10	<.40	<.40	<.40	.40
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	ug/L	<1.000	<1.000	<.500	<.500	<.500	<.500	<.500	<.500	<.500	<.500	<.500	<.500
Chemical Oxygen Demand	mg/L	24.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chloride	mg/L	12.0	14.0	13.0	17.0	15.0	18.5	19.0	20.0	18.0	17.7	17.0	16.8
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	140
Methylene Chloride	ug/L												
pH	S.U.	6.60	6.70	6.50	6.30	6.50	6.50	6.40	6.10	6.10	6.00	6.30	7.00
Phenols	mg/L					<.0200		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	528	690	582	698	682	764	831	913	900	914	808	941
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					28.0		<10.0		52.0		22.0	
Trichloroethene	ug/L	3.10	<1.00	1.20	1.50	1.30	1.10	1.60	2.10	1.40	1.70	<1.00	1.10
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/23/2001	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007
1,1,1-Trichloroethane						<1.00	1.79	1.42	1.29	<1.00	1.13	1.24	1.04
1,1-Dichloroethene		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	.50	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane													
Ammonia as N	<.20	<.20	<.20	<.20	<.20	.22	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	<.500	<.500	<.500	<.500	<.500	2.690	<.500	<.500	<.500	<.500	<.500	<.500	<.500
Chemical Oxygen Demand	<5.00	<5.00	15.00	7.70	10.00	<5.00	6.00	5.30	<5.00	<5.00	12.00	<5.00	5.80
Chloride	22.6	27.9	23.1	30.9	24.8	43.4	80.6	53.3	43.6	38.1	38.4	39.9	43.9
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride													
pH	6.80	6.50	7.00	7.00	7.20	7.00	6.90	6.80	6.90	6.80	6.90	6.90	6.80
Phenols	<.0200	<.0200	<.0200		<.0200	<.0200	<.0200	<.0200		<.0200		<.0200	
Specific Conductance	889	742	757	930	1050	930	419	286	1237	1055	1145	1146	1211
Tetrachloroethene													
Total Organic Halogens	41.0	38.0	25.0		23.0	30.0		48.0		39.1		44.4	
Trichloroethene	1.10	1.10	<1.00	<1.00	<1.00	4.25	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014
1,1,1-Trichloroethane	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane								<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	<.500	<.500	<.500	<1.000	<.500	.530	.620	.560	.610	<.500	<.500	<.500	<.500
Chemical Oxygen Demand	<5.00	10.00	10.00	<5.00	<5.00	<5.00	10.50	13.30	<5.00	7.70	<5.00	22.80	5.10
Chloride	45.1	40.5	37.3	44.7	43.6	53.6	49.7	35.0	33.5	29.4	16.4	66.1	62.3
Chlorodibromomethane								<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene								49.8			19.2	52.0	42.2
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	102
Methylene Chloride								7.72			<5.00	7.93	7.85
pH	6.90	6.70	6.50	6.80	6.60	6.60	6.60	6.70	6.60	6.70	7.00	6.80	6.90
Phenols	<.0200		<.0180		<.0200		<.0180		<.0200		<.0200		<.0196
Specific Conductance	1397	1254	1282	1266	1246	1279	1179	1158	1177	1383	1184	1487	1403
Tetrachloroethene								<1			<1	<1	<1
Total Organic Halogens	53.2		69.8		67.2		88.1		87.8		<30.0		83.1
Trichloroethene	<1.00	<1.00	<1.00	1.10	<1.00	1.09	1.43	1.40	3.52	2.10	<1.00	1.75	1.14
Vinyl Chloride								<1			<1	<1	<1
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	10/6/2014	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020
1,1,1-Trichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,1-Dichloroethene													
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,2-Dichloropropane	<1.00	<1.00	<1.00	<1.00	<1.00	1.08	1.42	1.13	<1.00	<1.00	<1.00	<1.00	1.17
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	<.500	<.500	<.500	<.500	<.500	.644	.781	.592	<.500	.561	.627	.628	.713
Chemical Oxygen Demand	7.70	<5.00	11.30	6.47	5.69	<5.00	<5.00	6.60	<5.00	12.80	<5.00	6.24	<5.00
Chloride	61.6	78.8	62.0	26.4	38.1	59.0	53.2	48.2	20.5	36.5	30.5	41.6	50.2
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis-1,2-Dichloroethene	34.7	27.3	34.7	11.3	29.1	49.6	69.2	59.8	21.4	45.3	54.4	63.6	73.2
Iron, Dissolved	<100	<100	<100	<100	<100	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride	6.97	<5.00	7.07	<5.00	10.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
pH	6.70	11.40	6.70	6.80	6.78	6.60	6.53	6.58	6.70	6.62	6.89	6.49	7.11
Phenols		<.0180		<.0196		<.0200		.0278		<.0188		<.0196	
Specific Conductance	1443	1431	1423	1314	1377	1272	1238	1227	1317	1328	1338	1541	1542
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens		77.7		<30.0		84.1		90.6		117.0		85.6	
Trichloroethene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1.13	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-14

Constituents	4/26/2021	8/16/2021	6/1/2022	5/3/2023	10/11/2023	5/2/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane			<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene									
1,2-Dichloroethane			<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	1.03	1.55	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	.26	<.20	<.20
Benzene	<.500	<.500	<.500	<.500	<.500	.678	.531	<.500	.562
Chemical Oxygen Demand	15.50	12.50	13.90	29.60	42.60	22.60	28.40	20.20	16.40
Chloride	51.0	50.3	50.0	58.8	109.0	129.0	130.0	128.0	97.9
Chlorodibromomethane			<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	56.1	74.3	33.3	36.6	41.6	49.3	39.0	45.0	50.0
Iron, Dissolved	<500	<500	<500	<500	<500	<500	<500	1520	<500
Methylene Chloride	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
pH	6.82	6.69	6.90	6.64	6.62	6.62	6.50	6.53	6.81
Phenols	<.0184		<.0200	<.0200		<.0200		<.0200	
Specific Conductance	1570	1608	1382	1501	1600	1662	1606	1653	1564
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens	76.0		76.0	93.0		299.0		90.5	
Trichloroethene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Temperature				14.5	12.9				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-16

Constituents	Units	4/20/2020	10/20/2020	4/26/2021	8/16/2021	6/1/2022	10/3/2022	5/3/2023	10/11/2023	5/8/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane	ug/L					<1	<1		<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L					<1	<1		<1	<1	<1	<1	<1
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ammonia as N	mg/L	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	mg/L	<5.00	8.23	7.05	9.89	38.20	50.40	12.10	28.70	12.90	24.60	7.14	5.23
Chloride	mg/L	12.00	27.80	5.50	8.80	9.73	9.58	6.95	7.89	6.27	7.40	9.75	9.31
Chlorodibromomethane	ug/L					<5	<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	ug/L	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	8.66	<1.00	<1.00	<1.00
Iron, Dissolved	ug/L	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	S.U.	7.35	6.62	6.97	6.77	7.08	6.84	7.06	6.99	7.14	6.67	6.55	7.48
Phenols	mg/L	<.0196		<.0192		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	1524	1680	1436	1382	1103	1134	1319	1432	1335	1302	1645	1520
Tetrachloroethene	ug/L	<1.00	<1.00	<1.00	1.00	<1.00	<1.00	<1.00	<1.00	1.55	<1.00	<1.00	<1.00
Total Organic Halogens	ug/L	<40		<10		<10		<10		<40		<60	
Trichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Temperature	Degrees C							11.4	10.4				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-17

Constituents	Units	10/4/1997	11/10/1997	1/8/1998	4/22/1998	7/1/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001	10/23/2001
1,1,1-Trichloroethane	ug/L		<1.00	<1.00									
1,1-Dichloroethene	ug/L	<2	<2	<2	<2	<2	<2		<2	<2			
1,2-Dichloroethane	ug/L	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L		<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene	ug/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	mg/L		<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chloride	mg/L		<5.00	<5.00	<5.00	7.30	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L		<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride	ug/L												
pH	S.U.				7.00	7.00	6.80	6.80	6.80	7.00	5.10	7.50	7.50
Phenols	mg/L						<.0200		<.0200		<.0200		<.0200
Specific Conductance	umhos/cm				408	450	444	449	449	465	440	511	473
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L						<10.0		<10.0		<10.0		<10.0
Trichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-17

Constituents	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007	4/7/2008
1,1,1-Trichloroethane				<1.00	1.44	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<.4	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane													
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	<5.00	11.00	7.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	8.40	10.60	<5.00	<5.00
Chloride	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride													
pH	6.90	7.40	7.30	7.60	6.90	7.20	7.20	7.40	7.20	7.40	7.20	7.20	7.10
Phenols	<.0200	<.0200	<.0200		<.0200		<.0200				<.0200		
Specific Conductance	427	417	299	572	525	861	131	699	632	620	638	663	729
Tetrachloroethene													
Total Organic Halogens	<10.0	<10.0	<10.0		<10.0		<10.0				<10.0		
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-17

Constituents	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014	10/6/2014
1,1,1-Trichloroethane	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane							<1			<1	<1	<1	<1
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	14.30	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chloride	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<2.00	<5.00	1.65	1.66
Chlorodibromomethane							<5			<5	<5	<5	<5
cis-1,2-Dichloroethene							<1			<1	<1	<1	<1
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride							<5			<5	<5	<5	<5
pH	7.30	6.90	7.20	7.30	7.10	7.20	7.10	7.10	7.10	7.30	7.40	7.23	7.28
Phenols		<.0180		<.0180		<.0180		<.0200		<.0196		<.0188	
Specific Conductance	646	613	625	649	636	591	611	599	774	725	745	780	769
Tetrachloroethene							<1			<1	<1	<1	<1
Total Organic Halogens		<10.0		<10.0		<10.0		11.4		<30.0		<30.0	
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1	<1	<1	<1
Vinyl Chloride							<1			<1	<1	<1	<1
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-17

Constituents	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020	4/26/2021
1,1,1-Trichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00					
1,1-Dichloroethene													
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0					
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	<5.00	<5.00	<5.00	<5.00	<5.00	<25.00	<5.00	<5.00	5.36	<5.00	<5.00	5.30	7.40
Chloride	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	6.47	<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5					
cis-1,2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iron, Dissolved	<100	<100	<100	<100	<500	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.90	7.21	7.08	7.00	7.29	7.14	7.07	6.73	7.05	7.06	7.33	7.59	7.69
Phenols	<.0184		<.0212		<.0180		<.0192		<.0200		<.0200		<.0184
Specific Conductance	777	800	777	845	752	644	733	1115	806	856	908	860	1025
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens	<30.0		<30.0		<30.0		<30.0		<30.0		<40.0		<10.0
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-17

Constituents	8/16/2021	6/1/2022	10/3/2022	5/3/2023	10/11/2023	5/8/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane		<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene									
1,2-Dichloroethane	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ammonia as N	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	5.73	21.20	<5.00	10.80	7.45	<5.00	11.90	5.82	8.72
Chloride	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	2.64	2.96
Chlorodibromomethane		<5	<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iron, Dissolved	<500	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	7.39	7.05	7.51	6.47	7.45	7.89	7.14	6.98	7.96
Phenols		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	1058	1059	852	1326	827	864	824	895	876
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens		<10.0		<10.0		<40.0		<60.0	
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Temperature				11.7	10.3				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	Units	7/12/1996	10/10/1996	1/21/1997	4/17/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1								
1,1-Dichloroethene	ug/L	<1	<1	<2	<2	<2	<2	<2		<2	<2		
1,2-Dichloroethane	ug/L	10.60	16.60	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	ug/L	<1.000	<1.000	<.500	<.500	.750	.740	.810	.800	<.500	.800	<.500	.600
Chemical Oxygen Demand	mg/L	42.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Chloride	mg/L	<5.00	<5.00	<5.00	<5.00	<5.00	6.90	6.60	6.70	5.90	6.40	5.50	5.90
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	<100	<100	<100	<100	120	<100	<100	<100	<100	130	<100	200
Methylene Chloride	ug/L												
pH	S.U.	6.10	6.50	6.50	6.00	6.20	6.10	6.20	6.10	5.90	5.60	6.00	6.70
Phenols	mg/L					<.0200		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	738	870	840	919	904	1001	1050	1094	1127	1041	1002	1147
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					95.0		51.0		104.0		67.0	
Trichloroethene	ug/L	4.70	5.10	6.60	12.20	9.80	10.90	8.20	12.50	8.20	8.40	6.40	8.40
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	10/23/2001	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007
1,1,1-Trichloroethane						<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<.40	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane													
Ammonia as N	<.20	<.20	<.20	<.20	.23	.21	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	1.000	.500	<.500	<.500	.560	.600	.660	<.500	<.500	<.500	.540	.830	1.110
Chemical Oxygen Demand	<5.00	7.30	9.30	7.30	<5.00	8.90	<5.00	5.40	<5.00	5.50	11.70	12.20	7.40
Chloride	7.50	7.50	6.20	6.10	8.20	8.80	7.90	5.70	5.30	5.90	7.34	7.96	7.25
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride													
pH	6.70	6.30	6.50	6.70	7.10		6.50	6.40	6.70	6.70	6.90	6.80	6.60
Phenols	<.0200	<.0200	<.0200	<.0200		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	1102	784	1232	1127	910		1495	1765	1443	1283	1414	1448	1548
Tetrachloroethene													
Total Organic Halogens	83.0	86.0	93.0	73.0		85.0		44.0		63.8		107.0	
Trichloroethene	10.70	12.00	13.40	10.40	10.70	11.00	7.40	3.60	2.94	5.97	7.26	11.00	13.40
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014
1,1,1-Trichloroethane	<1	<1	<1	<1	<4	<2	<1	<1	<2	<1	<1	<1	<1
1,1-Dichloroethene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane								7.44			10.10	10.60	10.80
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20
Benzene	.724	1.010	.680	1.420	2.040	2.050	2.160	1.760	2.660	1.660	2.170	1.230	.549
Chemical Oxygen Demand	<5.00	<5.00	15.30	<5.00	<5.00	13.70	7.10	12.30	<5.00	8.00	8.50	<5.00	<5.00
Chloride	6.54	5.18	5.98	5.95	6.79	5.97	5.54	<5.00	<5.00	6.00	5.31	5.73	6.42
Chlorodibromomethane								<5			<5	<5	<5
cis-1,2-Dichloroethene								88.0			159.0	145.0	132.0
Iron, Dissolved	<100	<100	<100	190	<100	<100	145	175	229	348	<100	<100	441
Methylene Chloride								<5			<5	<5	<5
pH	6.80	6.60	7.10	6.70	6.70	6.60	6.60	6.60	6.70	6.70	6.60	6.70	6.80
Phenols	<.0200		<.0200		<.0200		<.0200		<.0200		<.0198		<.0188
Specific Conductance	1664	1430	1452	1384	1540	1418	1336	1300	1258	1623	1579	1553	1546
Tetrachloroethene								10.30			10.60	4.45	<1.00
Total Organic Halogens	87.1		111.0		180.0		162.0		<100.0		128.0		104.0
Trichloroethene	11.20	12.80	11.40	37.50	27.20	16.90	28.90	15.40	27.40	24.00	12.70	9.17	9.48
Vinyl Chloride								<1.00			<1.00	1.45	<1.00
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	10/6/2014	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1-Dichloroethene													
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,2-Dichloropropane	8.45	9.46	11.20	8.86	3.19	6.16	9.31	9.81	8.62	5.10	7.25	10.00	9.41
Ammonia as N	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20	<.20				
Benzene	.913	.694	.721	.674	<.500	.662	1.220	.958	.896	.580	.655	.813	.949
Chemical Oxygen Demand	<5.00	<5.00	5.29	7.58	<5.00	<5.00	<5.00	6.92	9.21				
Chloride	8.57	8.10	9.03	16.70	15.20	7.08	5.11	5.95	<5.00				
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis-1,2-Dichloroethene	138.0	159.0	160.0	128.0	46.3	112.0	158.0	152.0	113.0	66.3	117.0	193.0	198.0
Iron, Dissolved	<100	102	<100	<100	<100	1250	<500	<500	<500				
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.60	6.70	6.60	6.60	6.80	6.52	6.56	6.20	6.45	6.74	6.56	6.76	6.92
Phenols		<.0188		<.0188		<.0184		<.0212					
Specific Conductance	1574	1531	1584	1482	1301	1306	1265	1290	1450	1394	1512	1752	1647
Tetrachloroethene	9.50	1.62	7.31	4.25	3.22	3.87	3.75	3.15	2.12	2.85	1.23	1.90	<1.00
Total Organic Halogens		151.0		122.0		108.0		139.0					
Trichloroethene	6.83	16.40	7.02	11.70	3.16	6.44	9.98	11.10	10.30	5.36	6.71	20.40	17.30
Vinyl Chloride	1.56	1.26	1.24	1.58	<1.00	1.15	1.81	1.87	1.98	<1.00	1.45	3.15	3.48
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-7

Constituents	4/26/2021	8/16/2021	6/1/2022	10/3/2022	5/3/2023	10/11/2023	5/8/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane			<1	<1		<1	<1	<1	<1	<1
1,1-Dichloroethene										
1,2-Dichloroethane			<1.00	<1.00		1.29	1.85	<1.00	1.24	1.07
1,2-Dichloropropane	7.34	13.50	10.60	11.80	12.50	12.90	12.50	5.70	8.35	7.36
Ammonia as N										
Benzene	<.500	.783	<.500	<.500	.716	.878	.879	.759	.872	.783
Chemical Oxygen Demand										
Chloride										
Chlorodibromomethane			<5	<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	112.0	240.0	147.0	168.0	174.0	203.0	216.0	131.0	175.0	171.0
Iron, Dissolved										
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.77	6.67	6.65	6.65	6.66	7.36	7.07	6.68	6.23	6.44
Phenols										
Specific Conductance	1657	1825	1626	1676	1713	1647	1686	1435	1564	1526
Tetrachloroethene	1.66	5.30	2.89	2.69	2.67	1.75	1.61	<1.00	1.24	<1.00
Total Organic Halogens										
Trichloroethene	10.00	12.30	7.03	6.27	7.50	9.37	15.00	7.81	14.00	10.00
Vinyl Chloride	1.02	2.84	1.47	1.38	3.11	4.28	5.77	9.39	8.95	5.79
Water Temperature					12.9	12.0				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-8

Constituents	Units	10/10/1996	1/21/1997	4/17/1997	7/15/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	4/12/2000	10/17/2000	4/25/2001
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1								
1,1-Dichloroethene	ug/L	14.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0		<2.0	<2.0		
1,2-Dichloroethane	ug/L	3.00	2.80	<.40	2.80	2.80	3.30	2.60	3.40	2.30	3.00	2.10	2.70
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	ug/L	2.800	2.200	<.500	1.200	1.530	1.100	1.300	1.300	1.000	.720	.950	<.500
Chemical Oxygen Demand	mg/L	<5.00	7.90	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	5.00	<5.00	<5.00
Chloride	mg/L	12.00	12.00	13.00	15.00	11.00	11.00	12.00	12.00	10.00	8.40	6.20	9.40
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	<100	130	<100	<100	180	<100	<100	<100	330	190	<100	<100
Methylene Chloride	ug/L												
pH	S.U.	6.60	6.40	6.20	6.30	6.20	6.30	6.20	6.10	5.90	5.80	6.20	6.80
Phenols	mg/L					.0220		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	923	823	896	929	888	945	1003	1050	1092	970	942	1034
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					114.0		56.0		112.0		103.0	
Trichloroethene	ug/L	21.40	20.80	18.60	17.10	15.60	16.40	16.10	14.10	11.80	9.80	9.80	7.80
Vinyl Chloride	ug/L												
Water Temperature	Degrees C												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-8

Constituents	10/23/2001	4/28/2002	10/6/2002	4/3/2003	10/7/2003	4/30/2004	10/12/2004	4/26/2005	10/11/2005	4/26/2006	10/5/2006	4/23/2007	10/9/2007
1,1,1-Trichloroethane						<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dichloroethane	2.30	1.90	1.61	<.40	1.55	1.39	1.21	1.30	1.97	1.93	1.83	1.67	1.86
1,2-Dichloropropane													
Ammonia as N	<.200	<.200	<.200	<.200	<.200	.210	<.200	<.200	<.200	<.200	<.200	.275	<.200
Benzene	<.500	<.500	<.500	.800	<.500	<.500	<.500	<.500	.550	1.080	.940	<.500	1.240
Chemical Oxygen Demand	<5.00	5.60	11.00	<5.00	8.20	<5.00	<5.00	6.60	5.20	<5.00	10.50	15.20	<5.00
Chloride	21.60	55.40	26.70	14.20	21.60	14.30	22.80	36.00	37.20	23.90	23.00	24.10	30.20
Chlorodibromomethane													
cis-1,2-Dichloroethene													
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride													
pH	6.80	6.50	7.00	6.80	7.10	6.50	6.80	6.70	6.80	6.70	6.90	6.60	6.90
Phenols	<.0200	<.0200	<.0200	<.0200		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	538	984	895	1060	1115	832	563	90	1529	1337	1351	1258	1402
Tetrachloroethene													
Total Organic Halogens	75.0	77.0	72.0	74.0		26.0		71.0		97.3		83.8	
Trichloroethene	7.30	6.40	7.00	9.50	5.02	5.97	4.06	3.61	3.29	1.46	2.61	1.73	2.47
Vinyl Chloride													
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-8

Constituents	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	4/23/2012	10/23/2012	4/16/2013	10/28/2013	4/24/2014
1,1,1-Trichloroethane	<1	<1	<1	<1	<4	<2	<1	<1	<2	<1	<1	<1	<1
1,1-Dichloroethene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dichloroethane	1.48	1.35	1.24	1.34	1.05	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane								1.46			1.62	1.44	1.35
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	1.610	1.460	.560	.860	<.500	<.500	1.090	1.040	.840	.710	<.500	<.500	<.500
Chemical Oxygen Demand	9.50	9.00	9.00	<5.00	6.50	6.70	9.50	19.50	<5.00	7.40	6.20	<5.00	<5.00
Chloride	34.00	32.50	23.30	20.50	14.50	16.90	19.60	16.00	13.50	12.30	11.90	9.86	12.50
Chlorodibromomethane								<5			<5	<5	<5
cis-1,2-Dichloroethene								104.00			85.70	53.80	69.30
Iron, Dissolved	<100	<100	<100	886	928	716	1480	1760	9770	1720	710	295	351
Methylene Chloride								<5			<5	<5	<5
pH	7.00	6.50	6.60	6.60	6.40	6.60	6.60	6.60	6.50	6.60	6.80	6.80	6.80
Phenols	<.0200		<.0180		<.0180		<.0200		<.0200		<.0196		<.0200
Specific Conductance	1574	1366	1331	1271	1312	1321	1215	1269	1223	1427	1419	1362	1345
Tetrachloroethene								<1			<1	<1	<1
Total Organic Halogens	90.1		91.4		85.3		109.0		71.5		67.6		53.9
Trichloroethene	1.91	2.13	1.91	2.16	1.08	1.12	1.17	1.07	<2.00	1.59	1.87	<1.00	<1.00
Vinyl Chloride								3.73			1.90	<1.00	<1.00
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-8

Constituents	10/6/2014	4/21/2015	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	5/28/2020
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1-Dichloroethene													
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00				
1,2-Dichloropropane	1.17	1.27	1.30	<1.00	<1.00	1.32	1.65	1.43	1.27	1.21	1.57	<1.00	1.43
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	
Benzene	<.500	<.500	<.500	<.500	.801	.794	.701	<.500	<.500	.632	.858	<.500	<.500
Chemical Oxygen Demand	<5.00	<5.00	<5.00	8.32	11.00	5.36	<5.00	7.24	10.30	<5.00	<5.00	5.24	
Chloride	11.50	13.90	10.50	18.70	35.80	29.60	20.80	16.40	35.60	30.30	26.30	21.70	
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis-1,2-Dichloroethene	54.30	72.00	84.50	60.40	84.70	91.90	100.00	80.80	82.60	75.70	85.80	1.21	57.10
Iron, Dissolved	<100	265	144	415	1050	<500	<500	613	554	611	560	782	
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.60	6.70	6.70	6.70	6.60	6.55	6.58	6.51	6.63	6.54	6.55	6.84	
Phenols		<.0188		<.0196		<.0188		<.0188		<.0192		<.0200	
Specific Conductance	1339	1389	1380	1442	1585	1326	1245	1232	1473	1507	1564	1622	
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens		72.9		70.5		105.0		82.0		76.5		<40.0	
Trichloroethene	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	<1.00	<1.00	<1.00	1.06	2.86	3.73	3.83	2.74	2.18	5.33	7.13	<1.00	1.73
Water Temperature													

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-8

Constituents	10/20/2020	4/26/2021	8/16/2021	6/1/2022	10/3/2022	5/3/2023	10/11/2023	5/8/2024	10/29/2024	4/16/2025	11/5/2025
1,1,1-Trichloroethane				<1	<1		<1	<1	<1	<1	<1
1,1-Dichloroethene											
1,2-Dichloroethane				<1.00	<1.00		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	1.29	1.26	1.52	1.21	1.01	1.16	<1.00	<1.00	<1.00	<1.00	<1.00
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	<.500	<.500	<.500	<.500	<.500	<.500	<.500	<.500	<.500	<.500	<.500
Chemical Oxygen Demand	8.23	<5.00	<5.00	<5.00	5.49	16.50	14.20	<5.00	13.20	9.12	6.98
Chloride	21.70	16.30	15.60	13.10	12.80	12.90	12.70	12.30	16.50	24.80	26.60
Chlorodibromomethane				<5	<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	76.40	61.20	85.90	59.40	50.20	53.80	45.70	57.10	14.80	26.40	38.90
Iron, Dissolved	<500	531	<500	<500	<500	<500	<500	<500	<500	<500	<500
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
pH	6.78	6.87	6.69	7.01	7.04	6.95	7.27	7.00	7.25	6.50	6.96
Phenols		<.0192		<.0200		<.0200		<.0200		<.0200	
Specific Conductance	1557	1618	1834	1466	1456	1390	1393	1290	1248	1257	1364
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Organic Halogens		53.0		46.0		65.0		157.0		<60.0	
Trichloroethene	<1.00	<1.00	<1.00	<1.00	<1.00	1.13	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl Chloride	3.25	2.16	2.40	2.72	1.62	2.16	1.03	1.51	<1.00	<1.00	<1.00
Water Temperature						12.8	11.8				

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	Units	10/10/1996	1/21/1997	4/17/1997	7/15/1997	10/4/1997	4/22/1998	10/19/1998	4/30/1999	9/1/1999	10/12/2004	4/26/2005	10/11/2005
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1						<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
1,2-Dichloroethane	ug/L	.55	<.40	<.40	<.40	.54	<.40	.40	.47	<.40	<.40	<.40	<.40
1,2-Dichloropropane	ug/L												
Ammonia as N	mg/L	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	.310	<.200	<.200
Benzene	ug/L	<1.0	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	mg/L	<5.00	6.20	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	6.20	<5.00
Chloride	mg/L	8.70	10.00	11.00	12.00	11.00	11.30	11.00	9.70	10.00	8.90	7.90	8.40
Chlorodibromomethane	ug/L												
cis-1,2-Dichloroethene	ug/L												
Iron, Dissolved	ug/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride	ug/L												
pH	S.U.	6.50	6.50	6.00	6.30	6.30	6.30	6.30	6.10	6.10	6.90	6.50	7.00
Phenols	mg/L					.0210		<.0200		<.0200		<.0200	
Specific Conductance	umhos/cm	895	787	882	922	887	900	956	992	992	527	146	1128
Tetrachloroethene	ug/L												
Total Organic Halogens	ug/L					18.0		<10.0		27.0		<10.0	
Trichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ug/L												

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	4/26/2006	10/5/2006	4/23/2007	10/9/2007	4/7/2008	10/14/2008	4/7/2009	10/5/2009	4/1/2010	10/1/2010	4/7/2011	10/27/2011	10/28/2013	10/6/2014
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<4	<2	<1	<1	<1	<1
1,1-Dichloroethene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane														
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chemical Oxygen Demand	<5.00	7.70	9.90	<5.00	<5.00	8.20	<5.00	<5.00	<5.00	<5.00	<5.00	7.10	8.90	<5.00
Chloride	8.07	8.80	8.24	8.02	9.70	10.60	11.30	11.80	11.80	12.50	12.60	14.30	12.00	12.90
Chlorodibromomethane														
cis-1,2-Dichloroethene														
Iron, Dissolved	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	310	<100
Methylene Chloride														
pH	6.70	6.80	6.80	6.80	6.80	6.90	6.90	6.90	6.80	6.80	6.70	6.90	7.00	6.92
Phenols	<.0200		<.0200		<.0200		<.0200		<.0180		<.0180			
Specific Conductance	1054	1058	1069	1056	1259	1022	1037	992	1215	1066	914	928	1157	1153
Tetrachloroethene														
Total Organic Halogens	<20.0		12.0		14.5		10.6		14.2		16.9			
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride														

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9

Analytical Data Summary for MW-9

Constituents	10/5/2015	4/26/2016	10/5/2016	4/4/2017	10/10/2017	4/11/2018	10/30/2018	4/1/2019	10/8/2019	4/20/2020	10/20/2020	4/26/2021	8/16/2021
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1						
1,1-Dichloroethene													
1,2-Dichloroethane	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00						
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1						
Ammonia as N	<.200	<.200	<.200	<.200	<.200	<.200	.201	<.200	<.200	<.200	<.200	<.200	<.200
Benzene	<.5	<.5	<.5	<.5	<.5	<.5	<.5						
Chemical Oxygen Demand	5.29	77.80	6.04	<5.00	17.70	19.10	22.40	55.10	22.30	19.60	15.40	19.40	171.00
Chloride	13.90	96.90	29.30	33.60	34.30	39.30	31.10	43.30	55.90	40.60	50.10	27.70	34.00
Chlorodibromomethane	<5	<5	<5	<5	<5	<5	<5						
cis-1,2-Dichloroethene	<1.00	1.69	<1.00	1.09	<1.00	<1.00	1.99						
Iron, Dissolved	<100	12400	409	<500	<500	<500	864	5630	<500	<500	737	<500	847
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5						
pH	6.80	6.80	6.90	7.03	6.80	6.84	6.64	6.77	6.92	7.21	7.63	7.04	7.04
Phenols		<.0180		<.0192		<.0180		<.0200		<.0196		<.0188	
Specific Conductance	1198	1462	1206	1009	911	1011	1283	1280	1291	1457	1381	1635	1674
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1						
Total Organic Halogens		<30.0		<30.0		<30.0		<30.0		<40.0		13.0	
Trichloroethene	<1	<1	<1	<1	<1	<1	<1						
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1						

* - The displayed value is the arithmetic mean of multiple database matches.

Table 9
Analytical Data Summary for MW-9

Constituents	5/8/2024	10/29/2024
1,1,1-Trichloroethane		
1,1-Dichloroethene		
1,2-Dichloroethane		
1,2-Dichloropropane		
Ammonia as N	<.200	.437
Benzene		
Chemical Oxygen Demand	17.50	70.10
Chloride	11.60	31.70
Chlorodibromomethane		
cis-1,2-Dichloroethene		
Iron, Dissolved	<500	<500
Methylene Chloride		
pH	7.06	7.62
Phenols	<.0204	
Specific Conductance	1287	1146
Tetrachloroethene		
Total Organic Halogens	75.6	
Trichloroethene		
Vinyl Chloride		

* - The displayed value is the arithmetic mean of multiple database matches.

Table 10 – Historic SSI and SSL

Table 10
Historic SSI & SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI
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SSL LCL>GWPS	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-7	1,2-dichloropropane	4/11/2018	9.81	1.0	---	---	5
MW-7	1,2-dichloropropane	10/30/2018	8.62	1.0	---	---	5
MW-7	1,2-dichloropropane	4/1/2019	5.10	1.0	---	---	5
MW-7	1,2-dichloropropane	10/8/2019	7.25	1.0	5.944	9.446	5
MW-7	1,2-dichloropropane	4/20/2020	10.00	1.0	5.933	9.552	5
MW-7	1,2-dichloropropane	10/20/2020	9.41	1.0	6.007	9.873	5
MW-7	1,2-dichloropropane	4/26/2021	7.34	1.0	7.277	9.723	5
MW-7	1,2-dichloropropane	8/16/2021	13.50	1.0	7.846	12.279	5
MW-7	1,2-dichloropropane	6/1/2022	10.60	1.0	7.985	12.440	5
MW-7	1,2-dichloropropane	10/3/2022	11.80	1.0	8.557	13.063	5
MW-7	1,2-dichloropropane	5/3/2023	12.50	1.0	10.666	13.534	5
MW-7	1,2-dichloropropane	10/11/2023	12.90	1.0	10.764	13.136	5
MW-7	1,2-dichloropropane	5/8/2024	12.50	1.0	11.887	12.963	5
MW-7	1,2-dichloropropane	10/29/2024	5.70	1.0	6.816	14.984	5
MW-7	1,2-dichloropropane	4/16/2025	8.35	1.0	5.799	13.926	5
MW-7	1,2-dichloropropane	11/5/2025	7.36	1.0	5.071	11.884	5

Table 10
Historic SSI & SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI
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SSL LCL>GWPS	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-7	cis-1,2-dichloroethylene	4/11/2018	152.00	1.0	---	---	70
MW-7	cis-1,2-dichloroethylene	10/30/2018	113.00	1.0	---	---	70
MW-7	cis-1,2-dichloroethylene	4/1/2019	66.30	1.0	---	---	70
MW-7	cis-1,2-dichloroethylene	10/8/2019	117.00	1.0	81.602	142.548	70
MW-7	cis-1,2-dichloroethylene	4/20/2020	193.00	1.0	76.913	167.737	70
MW-7	cis-1,2-dichloroethylene	10/20/2020	198.00	1.0	88.615	198.535	70
MW-7	cis-1,2-dichloroethylene	4/26/2021	112.00	1.0	114.423	195.577	70
MW-7	cis-1,2-dichloroethylene	8/16/2021	240.00	1.0	139.423	232.077	70
MW-7	cis-1,2-dichloroethylene	6/1/2022	147.00	1.0	125.504	222.996	70
MW-7	cis-1,2-dichloroethylene	10/3/2022	168.00	1.0	119.967	213.533	70
MW-7	cis-1,2-dichloroethylene	5/3/2023	174.00	1.0	134.960	229.540	70
MW-7	cis-1,2-dichloroethylene	10/11/2023	203.00	1.0	145.818	200.182	70
MW-7	cis-1,2-dichloroethylene	5/8/2024	216.00	1.0	163.215	217.285	70
MW-7	cis-1,2-dichloroethylene	10/29/2024	131.00	1.0	136.684	225.316	70
MW-7	cis-1,2-dichloroethylene	4/16/2025	175.00	1.0	137.003	225.497	70
MW-7	cis-1,2-dichloroethylene	11/5/2025	171.00	1.0	132.385	214.115	70

Table 10
Historic SSI & SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI
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SSL LCL>GWPS	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-7	TCE	4/11/2018	11.10	1.0	---	---	5
MW-7	TCE	10/30/2018	10.30	1.0	---	---	5
MW-7	TCE	4/1/2019	5.36	1.0	---	---	5
MW-7	TCE	10/8/2019	6.71	1.0	5.970	10.765	5
MW-7	TCE	4/20/2020	20.40	1.0	4.804	16.581	5
MW-7	TCE	10/20/2020	17.30	1.0	5.924	18.961	5
MW-7	TCE	4/26/2021	10.00	1.0	8.117	19.088	5
MW-7	TCE	8/16/2021	12.30	1.0	10.915	19.085	5
MW-7	TCE	6/1/2022	7.03	1.0	7.902	15.413	5
MW-7	TCE	10/3/2022	6.27	1.0	6.493	11.307	5
MW-7	TCE	5/3/2023	7.50	1.0	5.063	11.487	5
MW-7	TCE	10/11/2023	9.37	1.0	5.990	9.095	5
MW-7	TCE	5/8/2024	15.00	1.0	4.995	14.075	5
MW-7	TCE	10/29/2024	7.81	1.0	5.822	14.018	5
MW-7	TCE	4/16/2025	14.00	1.0	7.434	15.656	5
MW-7	TCE	11/5/2025	10.00	1.0	7.731	15.674	5

Table 10
Historic SSI & SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI
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SSL LCL>GWPS	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-7	Vinyl Chloride	4/11/2018	1.87	1.0	---	---	2
MW-7	Vinyl Chloride	10/30/2018	1.98	1.0	---	---	2
MW-7	Vinyl Chloride	4/1/2019	<1.0	1.0	---	---	2
MW-7	Vinyl Chloride	10/8/2019	1.45	1.0	0.867	2.033	2
MW-7	Vinyl Chloride	4/20/2020	3.15	1.0	0.813	2.727	2
MW-7	Vinyl Chloride	10/20/2020	3.48	1.0	0.922	3.368	2
MW-7	Vinyl Chloride	4/26/2021	1.02	1.0	1.217	3.333	2
MW-7	Vinyl Chloride	8/16/2021	2.84	1.0	1.670	3.575	2
MW-7	Vinyl Chloride	6/1/2022	1.47	1.0	1.206	3.199	2
MW-7	Vinyl Chloride	10/3/2022	1.38	1.0	0.986	2.370	2
MW-7	Vinyl Chloride	5/3/2023	3.11	1.0	1.139	3.261	2
MW-7	Vinyl Chloride	10/11/2023	4.28	1.0	0.919	4.201	2
MW-7	Vinyl Chloride	5/8/2024	5.77	1.0	1.452	5.818	2
MW-7	Vinyl Chloride	10/29/2024	9.39	1.0	2.428	8.847	2
MW-7	Vinyl Chloride	4/16/2025	8.95	1.0	4.185	10.010	2
MW-7	Vinyl Chloride	11/5/2025	5.79	1.0	5.163	9.787	2

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Groundwater.

Table 10
Historic SSI & SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI
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SSL LCL>GWPS	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-8	cis-1,2-dichloroethylene	4/11/2018	80.80	1.0	---	---	70
MW-8	cis-1,2-dichloroethylene	10/30/2018	82.60	1.0	---	---	70
MW-8	cis-1,2-dichloroethylene	4/1/2019	75.70	1.0	---	---	70
MW-8	cis-1,2-dichloroethylene	10/8/2019	85.80	1.0	77.567	84.883	70
MW-8	cis-1,2-dichloroethylene	4/20/2020	1.21	1.0	26.427	96.228	70
MW-8	cis-1,2-dichloroethylene	5/28/2020	57.10	1.0	22.261	87.644	70
MW-8	cis-1,2-dichloroethylene	10/20/2020	76.40	1.0	22.324	87.931	70
MW-8	cis-1,2-dichloroethylene	4/26/2021	61.20	1.0	20.477	77.478	70
MW-8	cis-1,2-dichloroethylene	8/16/2021	85.90	1.0	58.558	81.742	70
MW-8	cis-1,2-dichloroethylene	6/1/2022	59.40	1.0	59.753	81.696	70
MW-8	cis-1,2-dichloroethylene	10/3/2022	50.20	1.0	50.956	77.394	70
MW-8	cis-1,2-dichloroethylene	5/3/2023	53.80	1.0	43.309	81.341	70
MW-8	cis-1,2-dichloroethylene	10/11/2023	45.70	1.0	45.462	59.088	70
MW-8	cis-1,2-dichloroethylene	5/8/2024	57.10	1.0	45.945	57.455	70
MW-8	cis-1,2-dichloroethylene	10/29/2024	14.80	1.0	20.143	65.557	70
MW-8	cis-1,2-dichloroethylene	4/16/2025	26.40	1.0	13.672	58.328	70
MW-8	cis-1,2-dichloroethylene	11/5/2025	38.90	1.0	13.000	55.600	70

Table 10
Historic SSI & SSL
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI
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SSL LCL>GWPS	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-8	vinyl chloride	4/11/2018	2.74	1.0	---	---	2
MW-8	vinyl chloride	10/30/2018	2.18	1.0	---	---	2
MW-8	vinyl chloride	4/1/2019	5.33	1.0	---	---	2
MW-8	vinyl chloride	10/8/2019	7.13	1.0	2.346	6.344	2
MW-8	vinyl chloride	4/20/2020	1.73	1.0	1.857	6.328	2
MW-8	vinyl chloride	10/20/2020	3.25	1.0	2.313	6.407	2
MW-8	vinyl chloride	4/26/2021	2.16	1.0	1.437	5.698	2
MW-8	vinyl chloride	8/16/2021	2.40	1.0	1.831	2.939	2
MW-8	vinyl chloride	6/1/2022	2.72	1.0	2.224	3.041	2
MW-8	vinyl chloride	10/3/2022	1.62	1.0	1.823	2.627	2
MW-8	vinyl chloride	5/3/2023	2.16	1.0	1.679	2.771	2
MW-8	vinyl chloride	10/11/2023	1.03	1.0	1.030	2.735	2
MW-8	vinyl chloride	5/8/2024	1.51	1.0	1.034	2.126	2
MW-8	vinyl chloride	10/29/2024	<1.0	1.0	0.469	2.131	2
MW-8	vinyl chloride	4/16/2025	<1.0	1.0	0.314	1.456	2
MW-8	vinyl chloride	11/5/2025	<1.0	1.0	0.158	1.347	2

Table 10
Historic SSI & SSL (Confidence Interval Evaluation)
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

KEY:	SSI
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SSL LCL>GWPS	SSL UCL>GWPS
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Note: The absence of shading indicates that the condition does not exist.

Monitoring Well	Compound	Sample Date	Each Result (ug/L)	Prediction Limit (ug/L)	95% LCL (ug/L)	95% UCL (ug/L)	GWPS Limit (ug/L)
MW-12	vinyl chloride	4/11/2018	4.48	1.0	---	---	2
MW-12	vinyl chloride	10/30/2018	9.14	1.0	---	---	2
MW-12	vinyl chloride	4/1/2019	8.96	1.0	---	---	2
MW-12	vinyl chloride	10/8/2019	6.50	1.0	5.351	9.189	2
MW-12	vinyl chloride	4/20/2020	4.90	1.0	5.606	9.144	2
MW-12	vinyl chloride	10/20/2020	5.41	1.0	4.878	8.007	2
MW-12	vinyl chloride	4/26/2021	3.57	1.0	4.042	6.148	2
MW-12	vinyl chloride	8/16/2021	4.08	1.0	3.778	5.202	2
MW-12	vinyl chloride	6/1/2022	1.56	1.0	2.271	5.039	2
MW-12	vinyl chloride	10/3/2022	7.15	1.0	2.088	6.092	2
MW-12	vinyl chloride	5/3/2023	4.19	1.0	1.556	6.934	2
MW-12	vinyl chloride	10/11/2023	3.56	1.0	1.394	6.836	2
MW-12	vinyl chloride	5/8/2024	4.30	1.0	2.918	6.682	2
MW-12	vinyl chloride	10/29/2024	5.48	1.0	3.440	5.325	2
MW-12	vinyl chloride	4/16/2025	4.40	1.0	3.385	5.305	2
MW-12	vinyl chloride	11/5/2025	5.38	1.0	3.934	5.666	2

Table 11 – Corrective Action Trend Analysis

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-7	1,2-dichloropropane	4/11/2018	SSI	N/A	1	2030
MW-7	1,2-dichloropropane	10/30/2018	SSI	N/A	2	2030
MW-7	1,2-dichloropropane	4/1/2019	SSI	N/A	3	2030
MW-7	1,2-dichloropropane	10/8/2019	SSL	increasing	4	2030
MW-7	1,2-dichloropropane	4/20/2020	SSL	increasing	5	2030
MW-7	1,2-dichloropropane	10/20/2020	SSL	increasing	6	2030
MW-7	1,2-dichloropropane	4/26/2021	SSL	increasing	7	2030
MW-7	1,2-dichloropropane	8/16/2021	SSL	increasing	8	2030
MW-7	1,2-dichloropropane	6/1/2022	SSL	increasing	9	2030
MW-7	1,2-dichloropropane	10/3/2022	SSL	increasing	10	2030
MW-7	1,2-dichloropropane	5/3/2023	SSL	increasing	11	2030
MW-7	1,2-dichloropropane	10/11/2023	SSL	increasing	12	2030
MW-7	1,2-dichloropropane	5/8/2024	SSL	increasing	13	2030
MW-7	1,2-dichloropropane	10/29/2024	SSL	increasing	14	2030
MW-7	1,2-dichloropropane	4/16/2025	SSL	increasing	15	2030
MW-7	1,2-dichloropropane	11/5/2025	SSL	increasing	16	2030

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-7	cis-1,2-dichloroethylene	4/11/2018	SSI	N/A	1	2030
MW-7	cis-1,2-dichloroethylene	10/30/2018	SSI	N/A	2	2030
MW-7	cis-1,2-dichloroethylene	4/1/2019	SSI	N/A	3	2030
MW-7	cis-1,2-dichloroethylene	10/8/2019	SSL	increasing	4	2030
MW-7	cis-1,2-dichloroethylene	4/20/2020	SSL	increasing	5	2030
MW-7	cis-1,2-dichloroethylene	10/20/2020	SSL	increasing	6	2030
MW-7	cis-1,2-dichloroethylene	4/26/2021	SSL	increasing	7	2030
MW-7	cis-1,2-dichloroethylene	8/16/2021	SSL	increasing	8	2030
MW-7	cis-1,2-dichloroethylene	6/1/2022	SSL	increasing	9	2030
MW-7	cis-1,2-dichloroethylene	10/3/2022	SSL	increasing	10	2030
MW-7	cis-1,2-dichloroethylene	5/3/2023	SSL	increasing	11	2030
MW-7	cis-1,2-dichloroethylene	10/11/2023	SSL	increasing	12	2030
MW-7	cis-1,2-dichloroethylene	5/8/2024	SSL	increasing	13	2030
MW-7	cis-1,2-dichloroethylene	10/29/2024	SSL	increasing	14	2030
MW-7	cis-1,2-dichloroethylene	4/16/2025	SSL	increasing	15	2030
MW-7	cis-1,2-dichloroethylene	11/5/2025	SSL	increasing	16	2030

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-7	TCE	4/11/2018	SSI	N/A	1	2030
MW-7	TCE	10/30/2018	SSI	N/A	2	2030
MW-7	TCE	4/1/2019	SSI	N/A	3	2030
MW-7	TCE	10/8/2019	SSL	increasing	4	2030
MW-7	TCE	4/20/2020	SSL	increasing	5	2030
MW-7	TCE	10/20/2020	SSL	increasing	6	2030
MW-7	TCE	4/26/2021	SSL	increasing	7	2030
MW-7	TCE	8/16/2021	SSL	increasing	8	2030
MW-7	TCE	6/1/2022	SSL	decreasing	9	2030
MW-7	TCE	10/3/2022	SSL	decreasing	10	2030
MW-7	TCE	5/3/2023	SSL	decreasing	11	2030
MW-7	TCE	10/11/2023	SSL	decreasing	12	2030
MW-7	TCE	5/8/2024	SSL	decreasing	13	2030
MW-7	TCE	10/29/2024	SSL	decreasing	14	2030
MW-7	TCE	4/16/2025	SSL	decreasing	15	2030
MW-7	TCE	11/5/2025	SSL	decreasing	16	2030

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-7	Vinyl Chloride	4/11/2018	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	10/30/2018	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	4/1/2019	No-SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	10/8/2019	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	4/20/2020	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	10/20/2020	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	4/26/2021	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	8/16/2021	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	6/1/2022	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	10/3/2022	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	5/3/2023	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	10/11/2023	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	5/8/2024	SSI	N/A	N/A	N/A
MW-7	Vinyl Chloride	10/29/2024	SSL	increasing	1	2030
MW-7	Vinyl Chloride	4/16/2025	SSL	increasing	2	2030
MW-7	Vinyl Chloride	11/5/2025	SSL	increasing	3	2030

Bold Result = A value that exceeds the GWPS.

Bold GWPS = A Site Specific GWPS that is equal to the Prediction Limit. All other GWPS are IAC 567-137 Statewide Standards for Protected Ground

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-8	cis-1,2-dichloroethylene	4/11/2018	SSI	N/A	1	2030
MW-8	cis-1,2-dichloroethylene	10/30/2018	SSI	N/A	2	2030
MW-8	cis-1,2-dichloroethylene	4/1/2019	SSI	N/A	3	2030
MW-8	cis-1,2-dichloroethylene	10/8/2019	SSL	static	4	2030
MW-8	cis-1,2-dichloroethylene	4/20/2020	SSL	static	5	2030
MW-8	cis-1,2-dichloroethylene	5/28/2020	SSL	static	5	2030
MW-8	cis-1,2-dichloroethylene	10/20/2020	SSL	static	6	2030
MW-8	cis-1,2-dichloroethylene	4/26/2021	SSL	static	7	2030
MW-8	cis-1,2-dichloroethylene	8/16/2021	SSL	static	8	2030
MW-8	cis-1,2-dichloroethylene	6/1/2022	SSL	static	9	2030
MW-8	cis-1,2-dichloroethylene	10/3/2022	SSL	static	10	2030
MW-8	cis-1,2-dichloroethylene	5/3/2023	SSL	decreasing	11	2030
MW-8	cis-1,2-dichloroethylene	10/11/2023	SSI	decreasing	12	2030
MW-8	cis-1,2-dichloroethylene	5/8/2024	SSI	decreasing	13	2030
MW-8	cis-1,2-dichloroethylene	10/29/2024	SSI	decreasing	14	2030
MW-8	cis-1,2-dichloroethylene	4/16/2025	SSI	decreasing	15	2030
MW-8	cis-1,2-dichloroethylene	11/5/2025	SSI	decreasing	16	2030

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-8	vinyl chloride	4/11/2018	SSI	N/A	1	2030
MW-8	vinyl chloride	10/30/2018	SSI	N/A	2	2030
MW-8	vinyl chloride	4/1/2019	SSI	N/A	3	2030
MW-8	vinyl chloride	10/8/2019	SSL	decreasing	4	2030
MW-8	vinyl chloride	4/20/2020	SSL	decreasing	5	2030
MW-8	vinyl chloride	10/20/2020	SSL	decreasing	6	2030
MW-8	vinyl chloride	4/26/2021	SSL	decreasing	7	2030
MW-8	vinyl chloride	8/16/2021	SSL	decreasing	8	2030
MW-8	vinyl chloride	6/1/2022	SSL	decreasing	9	2030
MW-8	vinyl chloride	10/3/2022	SSL	decreasing	10	2030
MW-8	vinyl chloride	5/3/2023	SSL	decreasing	11	2030
MW-8	vinyl chloride	10/11/2023	SSL	decreasing	12	2030
MW-8	vinyl chloride	5/8/2024	SSL	decreasing	13	2030
MW-8	vinyl chloride	10/29/2024	SSL	decreasing	14	2030
MW-8	vinyl chloride	4/16/2025	SSL	decreasing	15	2030
MW-8	vinyl chloride	11/5/2025	SSL	decreasing	16	2030

Table 11
Corrective Action Trend Analysis
Annual Water Quality Report
Plymouth County Sanitary Landfill
Permit No. 75-SDP-01-74P

Monitoring Well	Compound	Sample Date	Current Condition	Trend	N	Projected Year to Completion (IAC 113.10(9)"e"
MW-12	vinyl chloride	4/11/2018	SSI	N/A	1	2030
MW-12	vinyl chloride	10/30/2018	SSI	N/A	2	2030
MW-12	vinyl chloride	4/1/2019	SSI	N/A	3	2030
MW-12	vinyl chloride	10/8/2019	SSL	decreasing	4	2030
MW-12	vinyl chloride	4/20/2020	SSL	decreasing	5	2030
MW-12	vinyl chloride	10/20/2020	SSL	decreasing	6	2030
MW-12	vinyl chloride	4/26/2021	SSL	decreasing	7	2030
MW-12	vinyl chloride	8/16/2021	SSL	decreasing	8	2030
MW-12	vinyl chloride	6/1/2022	SSL	decreasing	9	2030
MW-12	vinyl chloride	10/3/2022	SSL	decreasing	10	2030
MW-12	vinyl chloride	5/3/2023	SSL	decreasing	11	2030
MW-12	vinyl chloride	10/11/2023	SSL	decreasing	12	2030
MW-12	vinyl chloride	5/8/2024	SSL	decreasing	13	2030
MW-12	vinyl chloride	10/29/2024	SSL	decreasing	14	2030
MW-12	vinyl chloride	4/16/2025	SSL	decreasing	15	2030
MW-12	vinyl chloride	11/5/2025	SSL	decreasing	16	2030

Table 12 – Leachate Levels

Table 12
HISTORICAL LEACHATE COLUMN THICKNESS
PLYMOUTH COUNTY SANITARY LANDFILL

Date	LW-1	LW-2	LW-3	LW-4
11/2013	0.8	2.0	6.5	4.1
12/2013	0.8	2.0	6.3	4.2
1/2014	1.3	2.0	6.2	4.6
2/2014	1.4	1.9	6.1	4.1
3/2014	1.0	1.9	6.0	4.5
4/2014	1.0	1.9	5.9	3.8
5/2014	1.0	1.9	5.6	2.6
6/2014	0.9	2.0	8.0	4.8
7/2014	1.0	2.0	7.0	4.0
8/2014	0.9	2.0	6.6	3.8
9/2014	0.9	2.0	7.7	4.0
10/2014	1.0	2.0	7.8	3.8
11/2015	1.0	2.0	4.5	3.1
12/2015	0.9	2.0	6.5	3.0
1/2016	0.9	2.0	6.0	4.8
2/2016	1.0	2.0	3.8	5.5
3/2016	1.0	2.0	4.6	6.6
4/2016	1.1	2.0	5.8	7.2
5/2016	0.8	2.0	5.4	3.7
6/2016	0.9	2.0	3.1	7.3
7/2016	0.8	2.0	2.7	5.1
8/2016	1.0	2.0	2.7	4.4
9/2016	1.1	2.0	3.8	4.6
10/2016	0.9	2.0	3.0	1.9
11/2016	0.6	2.0	3.0	2.4
12/2016	0.6	2.0	1.2	1.0
1/2017	1.7	2.1	2.3	2.0
2/2017	1.5	1.9	2.4	3.0
3/2017	1.9	2.0	2.4	3.2
4/2017	1.9	1.9	2.2	2.7
5/2017	1.9	2.0	2.7	2.9
6/2017	1.7	2.9	1.3	3.0
7/2017	1.4	3.7	3.8	3.2
8/2017	1.3	3.7	3.8	5.6
9/2017	1.3	2.9	2.9	4.8
10/2017	1.4	2.9	2.7	4.2
11/2017	1.3	2.9	2.8	4.1
12/2017	1.3	2.9	2.8	4.8

Table 12
HISTORICAL LEACHATE COLUMN THICKNESS
PLYMOUTH COUNTY SANITARY LANDFILL

1/2018	1.1	2.1	2.6	3.1
2/2018	1.1	2.7	3.2	3.6
3/2018	1.1	2.4	2.8	3.1
4/2018	1.1	2.7	4.1	3.7
5/2018	1.3	2.7	4.1	3.7
6/2018	1.1	2.7	2.6	3.7
7/2018	1.1	2.7	3.1	3.6
8/2018	1.1	2.7	3.2	3.8
9/2018	1.1	2.7	3.4	3.6
10/2018	1.1	2.8	3.6	3.7
11/2018	1.1	2.8	3.5	3.6
7/2019	1.0	5.0	5.0	2.2
8/2019	1.0	5.0	7.6	3.0
9/2019	1.0	5.0	4.0	4.0
10/2019	1.0	5.0	2.8	5.0
11/2019	1.1	5.2	7.5	7.1
12/2019	1.1	5.2	8.2	7.1
1/2020	1.1	5.2	8.5	7.1
2/2020	1.1	5.2	8.8	7.7
3/2020	Dry	5.6	9.0	7.1
4/2020	1.1	5.4	9.0	6.1
5/2020	1.1	5.4	8.4	6.6
6/2020	0.7	5.7	5.3	8.1
7/2020	0.6	5.3	4.5	2.1
8/2020	1.1	5.6	4.1	2.1
9/2020	0.7	5.2	6.2	1.8
10/2020	0.8	4.7	5.1	2.1
11/2020	Dry	5.2	5.3	2.1
12/2020	1.1	5.2	6.6	7.1
1/2021	1.1	4.7	6.6	7.1
2/2021	1.1	4.4	6.6	7.1
3/2021	1.1	4.2	6.5	6.6
4/2021	1.1	4.3	4.9	1.2
5/2021	1.1	4.7	4.7	1.6
6/2021	1.1	4.6	4.5	1.3
7/2021	1.1	4.7	2.0	1.1
8/2021	0.6	5.2	6.4	1.2
9/2021	1.1	5.2	4.1	7.6
10/2021	0.7	5.0	5.3	7.1
11/2021	Dry	4.9	6.0	7.6
12/2021	0.8	5.2	6.5	7.9

Table 12
HISTORICAL LEACHATE COLUMN THICKNESS
PLYMOUTH COUNTY SANITARY LANDFILL

1/2022	0.5	5.6	6.8	7.5
2/2022	0.7	5.2	6.7	7.3
3/2022	0.7	4.9	6.6	7.0
4/2022	0.5	5.2	6.6	6.8
5/2022	0.5	4.9	5.2	5.7
6/2022	0.3	5.2	3.5	4.9
7/2022	0.2	4.5	6.6	5.9
8/2022	0.5	4.7	6.8	5.7
9/2022	0.3	4.9	6.8	5.2
10/2022	0.7	5.1	6.9	4.8
1/2023	0.5	5.3	7.0	7.5
2/2023	0.5	5.1	7.0	7.4
3/2023	0.5	5.2	6.9	7.1
4/2023	0.5	5.3	6.7	6.3
5/2023	0.5	5.2	6.6	4.7
6/2023	0.5	5.4	6.8	5.2
7/2023	0.8	6.0	7.6	6.9
8/2023	0.9	6.0	7.7	7.1
9/2023	1.0	6.0	7.4	6.9
10/2023	0.9	6.0	7.4	6.9
11/2023	0.9	6.1	7.3	7.0
1/2024	1.0	6.1	8.3	7.1
4/2024	0.8	6.0	7.9	7.1
7/2024	0.2	5.9	8.5	7.1
10/2024	0.6	5.7	8.1	6.8
1/2025	0.2	5.3	6.6	7.3
4/2025	2.2	5.9	7.1	6.9
7/2025	1.4	6.1	7.3	7.2
10/2025	1.0	6.2	7.4	7.4

Levels measured by Landfill personnel.

NM = Not measured.

LW-1 Historical Leachate Column Thickness



LW-2 Historical Leachate Column Thickness



LW-3 Historical Leachate Column Thickness



LW-4 Historical Leachate Column Thickness

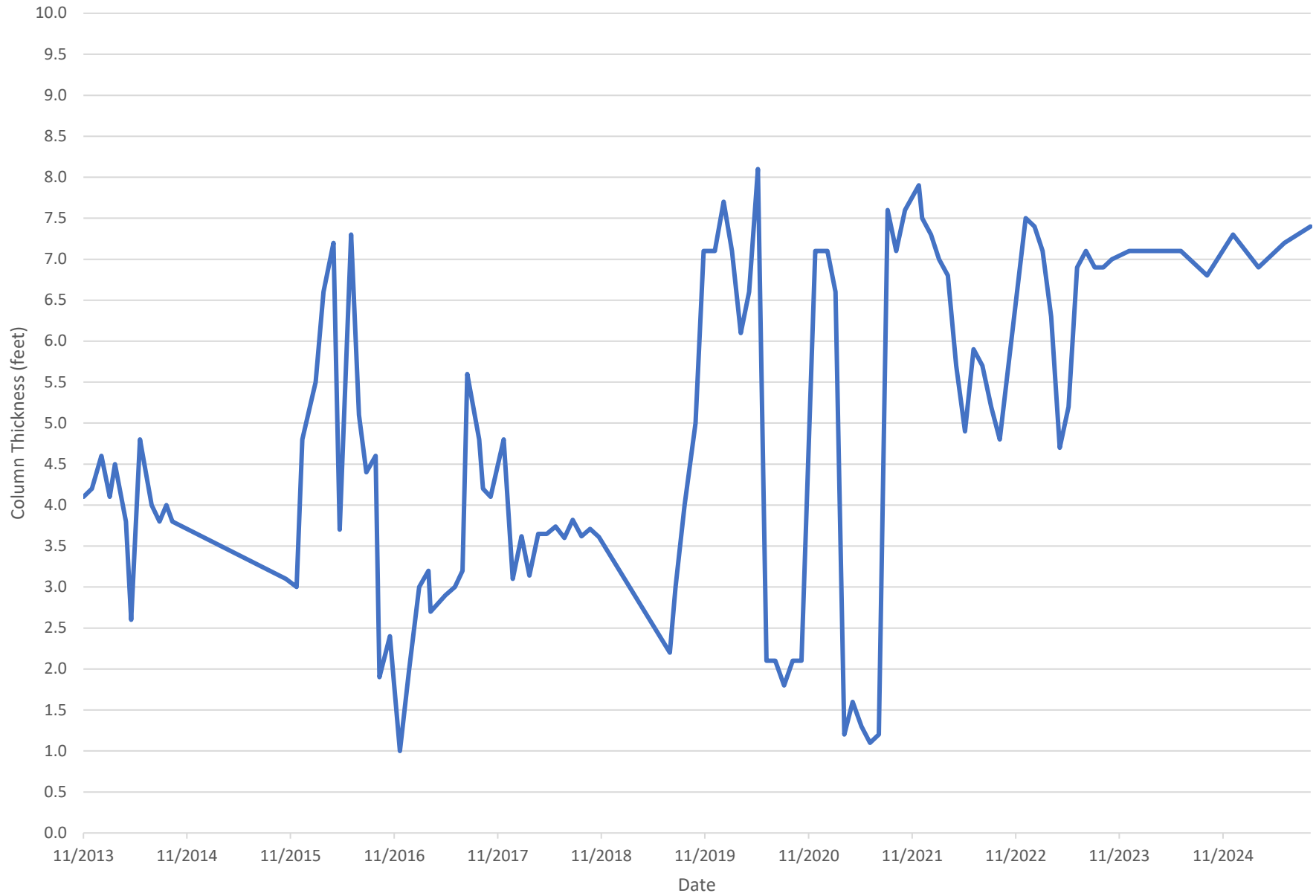


Table 12A
Leachate Elevation Data
Plymouth County Sanitary Landfill
75-SDP-1-74P

Well/TOC	LW-1 1310.51 Depth = 21.1				LW-2 1295.13 Depth = 25.2				LW-3 1290.87 Depth = 23.5				LW-4 1314.00 Depth = 31.1			
	Leachate Depth	Leachate Elevation	Bottom Well Elevation	Leachate Thickness (ft)	Leachate Depth	Leachate Elevation	Bottom Well Elevation	Leachate Thickness (ft)	Leachate Depth	Leachate Elevation	Bottom Well Elevation	Leachate Thickness (ft)	Leachate Depth	Leachate Elevation	Bottom Well Elevation	Leachate Thickness (ft)
11/01/19	20.00	1290.51	1289.41	1.10	20.00	1275.13	1269.93	5.20	16.00	1274.87	1267.37	7.50	24.00	1290.00	1282.90	7.10
12/01/19	20.00	1290.51	1289.41	1.10	20.00	1275.13	1269.93	5.20	15.30	1275.57	1267.37	8.20	24.00	1290.00	1282.90	7.10
01/01/20	20.00	1290.51	1289.41	1.10	20.00	1275.13	1269.93	5.20	15.00	1275.87	1267.37	8.50	24.00	1290.00	1282.90	7.10
02/01/20	20.00	1290.51	1289.41	1.10	20.00	1275.13	1269.93	5.20	14.70	1276.17	1267.37	8.80	23.40	1290.60	1282.90	7.70
03/01/20	21.00	1289.51	1289.41	0.10	19.60	1275.53	1269.93	5.60	14.50	1276.37	1267.37	9.00	24.00	1290.00	1282.90	7.10
04/01/20	20.00	1290.51	1289.41	1.10	19.80	1275.33	1269.93	5.40	14.50	1276.37	1267.37	9.00	25.00	1289.00	1282.90	6.10
05/01/20	20.00	1290.51	1289.41	1.10	19.80	1275.33	1269.93	5.40	15.10	1275.77	1267.37	8.40	24.50	1289.50	1282.90	6.60
06/01/20	20.40	1290.11	1289.41	0.70	19.50	1275.63	1269.93	5.70	18.20	1272.67	1267.37	5.30	23.00	1291.00	1282.90	8.10
07/01/20	20.50	1290.01	1289.41	0.60	19.90	1275.23	1269.93	5.30	19.00	1271.87	1267.37	4.50	29.00	1285.00	1282.90	2.10
08/01/20	20.00	1290.51	1289.41	1.10	19.60	1275.53	1269.93	5.60	19.40	1271.47	1267.37	4.10	29.00	1285.00	1282.90	2.10
09/01/20	20.40	1290.11	1289.41	0.70	20.00	1275.13	1269.93	5.20	17.30	1273.57	1267.37	6.20	29.30	1284.70	1282.90	1.80
10/01/20	20.30	1290.21	1289.41	0.80	20.50	1274.63	1269.93	4.70	18.40	1272.47	1267.37	5.10	29.00	1285.00	1282.90	2.10
11/01/20	21.30	1289.21	1289.41	-0.20	20.00	1275.13	1269.93	5.20	18.20	1272.67	1267.37	5.30	29.00	1285.00	1282.90	2.10
12/01/20	20.00	1290.51	1289.41	1.10	20.00	1275.13	1269.93	5.20	16.90	1273.97	1267.37	6.60	24.00	1290.00	1282.90	7.10
01/01/21	20.00	1290.51	1289.41	1.10	20.50	1274.63	1269.93	4.70	16.90	1273.97	1267.37	6.60	24.00	1290.00	1282.90	7.10
02/01/21	20.00	1290.51	1289.41	1.10	20.80	1274.33	1269.93	4.40	16.90	1273.97	1267.37	6.60	24.00	1290.00	1282.90	7.10
03/01/21	20.00	1290.51	1289.41	1.10	21.00	1274.13	1269.93	4.20	17.00	1273.87	1267.37	6.50	24.50	1289.50	1282.90	6.60
04/01/21	20.00	1290.51	1289.41	1.10	20.90	1274.23	1269.93	4.30	18.60	1272.27	1267.37	4.90	29.90	1284.10	1282.90	1.20
05/01/21	20.00	1290.51	1289.41	1.10	20.50	1274.63	1269.93	4.70	18.80	1272.07	1267.37	4.70	29.50	1284.50	1282.90	1.60
06/01/21	20.00	1290.51	1289.41	1.10	20.60	1274.53	1269.93	4.60	19.00	1271.87	1267.37	4.50	29.80	1284.20	1282.90	1.30
07/01/21	20.00	1290.51	1289.41	1.10	20.50	1274.63	1269.93	4.70	21.50	1269.37	1267.37	2.00	30.00	1284.00	1282.90	1.10
08/01/21	20.50	1290.01	1289.41	0.60	20.00	1275.13	1269.93	5.20	17.10	1273.77	1267.37	6.40	29.90	1284.10	1282.90	1.20
09/01/21	20.00	1290.51	1289.41	1.10	20.00	1275.13	1269.93	5.20	19.40	1271.47	1267.37	4.10	23.50	1290.50	1282.90	7.60
10/01/21	20.40	1290.11	1289.41	0.70	20.20	1274.93	1269.93	5.00	18.20	1272.67	1267.37	5.30	24.00	1290.00	1282.90	7.10
11/01/21	20.00	1290.51	1289.41	1.10	20.30	1274.83	1269.93	4.90	17.50	1273.37	1267.37	6.00	23.50	1290.50	1282.90	7.60
12/01/21	20.30	1290.21	1289.41	0.80	20.00	1275.13	1269.93	5.20	17.00	1273.87	1267.37	6.50	23.20	1290.80	1282.90	7.90
01/01/22	20.60	1289.91	1289.41	0.50	19.60	1275.53	1269.93	5.60	16.70	1274.17	1267.37	6.80	23.60	1290.40	1282.90	7.50
02/01/22	20.40	1290.11	1289.41	0.70	20.00	1275.13	1269.93	5.20	16.80	1274.07	1267.37	6.70	23.80	1290.20	1282.90	7.30
03/01/22	20.40	1290.11	1289.41	0.70	20.30	1274.83	1269.93	4.90	16.90	1273.97	1267.37	6.60	24.10	1289.90	1282.90	7.00
04/01/22	20.60	1289.91	1289.41	0.50	20.00	1275.13	1269.93	5.20	16.90	1273.97	1267.37	6.60	24.30	1289.70	1282.90	6.80
05/01/22	20.60	1289.91	1289.41	0.50	20.30	1274.83	1269.93	4.90	18.30	1272.57	1267.37	5.20	25.40	1288.60	1282.90	5.70
06/01/22	20.80	1289.71	1289.41	0.30	20.00	1275.13	1269.93	5.20	20.00	1270.87	1267.37	3.50	26.20	1287.80	1282.90	4.90
07/01/22	20.90	1289.61	1289.41	0.20	20.70	1274.43	1269.93	4.50	16.90	1273.97	1267.37	6.60	25.20	1288.80	1282.90	5.90
08/01/22	20.60	1289.91	1289.41	0.50	20.50	1274.63	1269.93	4.70	16.70	1274.17	1267.37	6.80	25.40	1288.60	1282.90	5.70
09/01/22	20.80	1289.71	1289.41	0.30	20.30	1274.83	1269.93	4.90	16.70	1274.17	1267.37	6.80	25.90	1288.10	1282.90	5.20
10/01/22	20.40	1290.11	1289.41	0.70	20.10	1275.03	1269.93	5.10	16.60	1274.27	1267.37	6.90	26.30	1287.70	1282.90	4.80
01/01/23	20.60	1289.91	1289.41	0.50	19.90	1275.23	1269.93	5.30	16.50	1274.37	1267.37	7.00	23.60	1290.40	1282.90	7.50
02/01/23	20.60	1289.91	1289.41	0.50	20.10	1275.03	1269.93	5.10	16.50	1274.37	1267.37	7.00	23.70	1290.30	1282.90	7.40
03/01/23	20.60	1289.91	1289.41	0.50	20.00	1275.13	1269.93	5.20	16.60	1274.27	1267.37	6.90	24.00	1290.00	1282.90	7.10
04/01/23	20.60	1289.91	1289.41	0.50	19.90	1275.23	1269.93	5.30	16.80	1274.07	1267.37	6.70	24.80	1289.20	1282.90	6.30
05/01/23	20.60	1289.91	1289.41	0.50	20.00	1275.13	1269.93	5.20	16.90	1273.97	1267.37	6.60	26.40	1287.60	1282.90	4.70
06/01/23	20.60	1289.91	1289.41	0.50	19.80	1275.33	1269.93	5.40	16.70	1274.17	1267.37	6.80	25.90	1288.10	1282.90	5.20
07/01/23	20.30	1290.21	1289.41	0.80	19.20	1275.93	1269.93	6.00	15.90	1274.97	1267.37	7.60	24.20	1289.80	1282.90	6.90
08/01/23	20.20	1290.31	1289.41	0.90	19.20	1275.93	1269.93	6.00	15.80	1275.07	1267.37	7.70	24.00	1290.00	1282.90	7.10
09/01/23	20.10	1290.41	1289.41	1.00	19.20	1275.93	1269.93	6.00	16.10	1274.77	1267.37	7.40	24.20	1289.80	1282.90	6.90
10/01/23	20.20	1290.31	1289.41	0.90	19.20	1275.93	1269.93	6.00	16.10	1274.77	1267.37	7.40	24.20	1289.80	1282.90	6.90
11/01/23	20.20	1290.31	1289.41	0.90	19.10	1276.03	1269.93	6.10	16.20	1274.67	1267.37	7.30	24.10	1289.90	1282.90	7.00
01/01/24	20.10	1290.41	1289.41	1.00	19.10	1276.03	1269.93	6.10	15.20	1275.67	1267.37	8.30	24.00	1290.00	1282.90	7.10
04/01/24	20.30	1290.21	1289.41	0.80	19.20	1275.93	1269.93	6.00	15.60	1275.27	1267.37	7.90	24.00	1290.00	1282.90	7.10
07/01/24	20.90	1289.61	1289.41	0.20	19.30	1275.83	1269.93	5.90	15.00	1275.87	1267.37	8.50	24.00	1290.00	1282.90	7.10
10/01/24	20.50	1290.01	1289.41	0.60	19.50	1275.63	1269.93	5.70	15.40	1275.47	1267.37	8.10	24.30	1289.70	1282.90	6.80
01/01/25	20.90	1289.61	1289.41	0.20	19.90	1275.23	1269.93	5.30	16.90	1273.97	1267.37	6.60	23.80	1290.20	1282.90	7.30
04/01/25	18.90	1291.61	1289.41	2.20	19.30	1275.83	1269.93	5.90	16.40	1274.47	1267.37	7.10	24.20	1289.80	1282.90	6.90
07/01/25	19.70	1290.81	1289.41	1.40	19.10	1276.03	1269.93	6.10	16.20	1274.67	1267.37	7.30	23.90	1290.10	1282.90	7.20
10/01/25	20.10	1290.41	1289.41	1.00	19.00	1276.13	1269.93	6.20	16.10	1274.77	1267.37	7.40	23.70	1290.30	1282.90	7.40
minimum	18.90	1289.21		-0.20	19.00	1274.13		4.20	14.50	1269.37		2.00	23.00	1284.00		1.10
maximum	21.30	1291.61		2.20	21.00	1276.13		6.20	21.50	1276.37		9.00	30.00	1291.00		8.10
average				0.79				5.28				6.59				5.86

Table 13 – Gas Monitoring Summary

TABLE 13
Annual Methane Gas Evaluation Report
Plymouth County Sanitary Landfill
75-SDP-01-74P

2025

Location/Date	January-March		April-June		July-September		October-December	
	Screen	% LEL	Screen	% LEL	Screen	% LEL	Screen	% LEL
Equipment Building	N/A	0	N/A	0	N/A	0	N/A	0
Transfer Station	N/A	0	N/A	0	N/A	0	N/A	0
Storage/RCC	N/A	0	N/A	0	N/A	0	N/A	0
Office Building	N/A	0	N/A	0	N/A	0	N/A	0
Scale	N/A	0	N/A	0	N/A	0	N/A	0
MW-7	NM	0	E	0	NM	0	E	0
MW-8	NM	0	E	0	NM	0	E	0
MW-9	NM	0	E	0	NM	0	E	0
MW-10	NM	0	E	0	NM	0	E	0
MW-11	NM	0	E	0	NM	0	E	0
MW-12	NM	0	E	0	NM	0	E	0
MW-13	NM	0	E	0	NM	0	E	0
MW-14	NM	0	E	0	NM	0	E	0
MW-16	NM	0	E	0	NM	0	E	0
MW-17	NM	0	E	0	NM	0	E	0
Gas Vent GV-1	E	1.0	E	0	E	0	E	0
Gas Vent GV-2	E	1.0	E	0	E	0	E	0
Gas Vent GV-3	E	1.0	E	0	E	0	E	0
Gas Vent GV-4	E	0	E	0	E	100	E	100
Gas Vent GV-5	E	0	E	0	E	100	E	100
Gas Vent GV-6	E	27.0	E	3.0	E	9.0	E	5.0
Gas Vent GV-7	E	0	E	0	E	100	E	100
Gas Vent GV-8	E	42.0	E	1.0	E	100	E	100
Gas Vent GV-9	E	0	E	0	E	100	E	100
Gas Vent GV-10	E	0	E	0	E	0	E	7.0
Gas Vent GV-11	E	0	E	0	E	0	E	0

E= Exposed Screen

S= Submerged Screen

N/A = Not Applicable

NM = Not Measured

APPENDIX A

Field Sampling Forms

LANDFILL GROUNDWATER SAMPLING DATA SHEET

Project Information

Project Name Plymouth County Sanitary Landfill
 Project Location LeMars, IA
 Project Number PCSWA.18001
 SLF Permit No. 75-SDP-04-74P

Sampling Information

Date Sampled 11/5/2025
 Sampling Crew Brayden Ricke Kent Herbold
 Water Level geotech
 pH/Conductivity oakton
 Equipment Calibration Date 11/4/2025
 Equipment Calibration Time 8:00

Weather Conditions

Well#	Recorderd Depth	Date	Static Water Level	Time Sampled	Bailing Equipment (see note)	Stabilized pH	Stabilized Conductivity	Stabilized Temperature	Methane Gas	Capped Properly Y / N
MW-7	32.7	11/5/2025	26.6	3:59	B	6.44	1526	13.7	0%	Y
MW-8	27.6	11/5/2025	23	4:08	B	6.96	1364	11.3	0%	y
MW-9	25.5	11/5/2025	Dry	4:21	B	N/A	N/A	N/A	0%	y
MW-10	32.8	11/5/2025	29.7	4:41	B	6.8	1351	11.1	0%	y
MW-11	39	11/5/2025	29.7	4:51	B	7.26	1369	11.2	0%	y
MW-12	53.6	11/5/2025	44.8	5:11	B	6.66	1335	11.8	0%	y
MW-13	36.56	11/5/2025	25.3	4:31	B	7.37	1112	11.2	0%	y
MW-14	50.16	11/5/2025	38.8	5:00	B	6.81	1564	11	0%	y
MW-16	37.3	11/5/2025	30	3:23	B	7.48	1520	13	0%	y
MW-17	32.6	11/5/2025	20	3:44	B	7.96	876	13.5	0%	y

Note: Low-Flow Pump (LF), Submersible (S), Peri Pump (P), Waterra (W), Dedicated Bailer (DB), Bailer (B)

Well #9 Dry

LANDFILL GROUNDWATER SAMPLING DATA SHEET

Project Information

Project Name Plymouth County Sanitary Landfill
 Project Location LeMars, IA
 Project Number PCSWA.18001
 SLF Permit No. 75-SDP-04-74P

Sampling Information

Date Sampled 4/16/2025
 Sampling Crew Kent Herbold Brayden Ricke
 Equipment Water Level
 pH/Conductivity geotech
 Equipment Calibration Date 4/16/2025
 Equipment Calibration Time 8:00

Weather Conditions

Recorded Depth	Well#	Date	Static Water Level	Measured Well Depth	Time sampled	Bailing Equipment (see note)	Purge Volume Gal	Stabilized pH	Stabilized Conductivity	Stabilized Temperature	Methane Gas	Capped Properly Y / N
32.7	MW-7	4/16/2025	28	32.9	4:31	B	N/A	6.23	1564	19.5	0%	Y
27.6	MW-8	4/16/2025	22.5	27.8	4:44	B	N/A	6.5	1257	15	0%	y
25.5	MW-9	4/16/2025	Dry	Dry	4:58	B	N/A	Dry	Dry	Dry	0%	y
32.8	MW-10	4/16/2025	29.9	32.6	5:49	B	N/A	6.7	1349	14	0%	y
39	MW-11	4/16/2025	30.8	39.1	6:12	B	N/A	7.44	1372	14.1	0%	y
53.6	MW-12	4/16/2025	44.9	53.6	6:47	B	N/A	6.73	1355	16.1	0%	y
36.56	MW-13	4/16/2025	24.6	36.5	5:21	B	N/A	6.88	1402	14	0%	y
50.16	MW-14	4/16/2025	42.3	50.9	6:33	B	N/A	6.53	1653	14.9	0%	y
37.3	MW-16	4/16/2025	30.8	37.4	4:00	B	N/A	6.55	1645	19	0%	y
32.6	MW-17	4/16/2025	21	31.9	4:18	B	N/A	6.98	895	12.9	0%	y

Note: Low-Flow Pump (LF), Submersible (S), Peri Pump (P), Waterra (W), Dedicated Bailer (DB), Bailer (B)

Well #9 Dry

APPENDIX B

Laboratory Analytical Data

ANALYTICAL REPORT

PREPARED FOR

Attn: Kent Herbold
Plymouth Co. Solid Waste
34898 150th Street
LeMars, Iowa 51031

Generated 5/5/2025 9:53:55 AM

JOB DESCRIPTION

Plymouth County Landfill-March 2025
March Sampling

JOB NUMBER

310-304622-1

Eurofins Cedar Falls

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
5/5/2025 9:53:55 AM

Authorized for release by
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Case Narrative

Client: Plymouth Co. Solid Waste
Project: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Job ID: 310-304622-1

Eurofins Cedar Falls

Job Narrative 310-304622-1

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 4/18/2025 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0°C and 2.9°C.

GC/MS VOA

Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container: MW-7 (310-304622-4), MW-10 (310-304622-9) and Duplicate (310-304622-11).

Method 8260D: The initial calibration verification (ICV) result for batch 310-452179 was above the upper control limit. The affected analyte is: Vinyl chloride. Sample results were non-detects, and have been reported as qualified data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 9020B_Calc: The following samples for batch 280-694312 (Total Organic Halides) were diluted to 2x due to the nature of the sample matrix based on CI pre-screen test: MW-11 (310-304622-2), MW-17 (310-304622-5), MW-8 (310-304622-6), MW-12 (310-304622-7), MW-16 (310-304622-8), MW-10 (310-304622-9) and Duplicate (310-304622-11). Elevated reporting limits (RLs) are provided.

Method 9020B_Calc: Breakthrough exceeded 10% for the following sample: MW-13 (310-304622-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cedar Falls

Sample Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-304622-1	Trip Blank	Water	04/16/25 16:58	04/18/25 09:05
310-304622-2	MW-11	Ground Water	04/16/25 18:12	04/18/25 09:05
310-304622-3	MW-13	Ground Water	04/16/25 17:21	04/18/25 09:05
310-304622-4	MW-7	Ground Water	04/16/25 16:31	04/18/25 09:05
310-304622-5	MW-17	Ground Water	04/16/25 16:18	04/18/25 09:05
310-304622-6	MW-8	Ground Water	04/16/25 16:44	04/18/25 09:05
310-304622-7	MW-12	Ground Water	04/16/25 18:47	04/18/25 09:05
310-304622-8	MW-16	Ground Water	04/16/25 16:00	04/18/25 09:05
310-304622-9	MW-10	Ground Water	04/16/25 17:49	04/18/25 09:05
310-304622-10	MW-14	Ground Water	04/16/25 18:33	04/18/25 09:05
310-304622-11	Duplicate	Ground Water	04/16/25 18:12	04/18/25 09:05

Detection Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-304622-1

No Detections.

Client Sample ID: MW-11

Lab Sample ID: 310-304622-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	23.3		5.00		mg/L	1		5220D LL	Total/NA
Chloride	110		20.0		mg/L	10		9251	Total/NA

Client Sample ID: MW-13

Lab Sample ID: 310-304622-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	38.8		5.00		mg/L	1		5220D LL	Total/NA
TOX Dup	103		60.0		ug/L	1		9020B	Total/NA
Chloride	88.1		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 310-304622-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.24		1.00		ug/L	1		8260D	Total/NA
1,2-Dichloropropane	8.35		1.00		ug/L	1		8260D	Total/NA
Benzene	0.872		0.500		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	175		1.00		ug/L	1		8260D	Total/NA
Tetrachloroethene	1.24		1.00		ug/L	1		8260D	Total/NA
Trichloroethene	14.0		1.00		ug/L	1		8260D	Total/NA
Vinyl chloride	8.95		1.00		ug/L	1		8260D	Total/NA

Client Sample ID: MW-17

Lab Sample ID: 310-304622-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	5.82		5.00		mg/L	1		5220D LL	Total/NA
Chloride	2.64		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 310-304622-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	26.4		1.00		ug/L	1		8260D	Total/NA
Chemical Oxygen Demand	9.12		5.00		mg/L	1		5220D LL	Total/NA
Chloride	24.8		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 310-304622-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.25		0.500		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	33.4		1.00		ug/L	1		8260D	Total/NA
Vinyl chloride	4.04		1.00		ug/L	1		8260D	Total/NA
Iron	14.2		0.500		mg/L	1		6010D	Dissolved
Chemical Oxygen Demand	20.9		10.0		mg/L	2		5220D LL	Total/NA
Chloride	43.7		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 310-304622-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	7.14		5.00		mg/L	1		5220D LL	Total/NA
Chloride	9.75		2.00		mg/L	1		9251	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-10

Lab Sample ID: 310-304622-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.14		1.00		ug/L	1		8260D	Total/NA
Chemical Oxygen Demand	51.0		5.00		mg/L	1		5220D LL	Total/NA
Chloride	110		20.0		mg/L	10		9251	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 310-304622-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	45.0		1.00		ug/L	1		8260D	Total/NA
Iron	1.52		0.500		mg/L	1		6010D	Dissolved
Chemical Oxygen Demand	20.2		10.0		mg/L	2		5220D LL	Total/NA
TOX Dup	90.5		60.0		ug/L	1		9020B	Total/NA
Chloride	128		20.0		mg/L	10		9251	Total/NA

Client Sample ID: Duplicate

Lab Sample ID: 310-304622-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	11.4		5.00		mg/L	1		5220D LL	Total/NA
Chloride	112		20.0		mg/L	10		9251	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-304622-1

Date Collected: 04/16/25 16:58

Matrix: Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 11:53	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 11:53	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 11:53	1
Benzene	<0.500		0.500		ug/L			04/21/25 11:53	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 11:53	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			04/21/25 11:53	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 11:53	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 11:53	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 11:53	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		73 - 130		04/21/25 11:53	1
Toluene-d8 (Surr)	94		80 - 120		04/21/25 11:53	1
4-Bromofluorobenzene (Surr)	102		80 - 120		04/21/25 11:53	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-11

Lab Sample ID: 310-304622-2

Date Collected: 04/16/25 18:12

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 00:46	1
Chemical Oxygen Demand (SM 5220D LL)	23.3		5.00		mg/L			04/24/25 10:53	1
TOX Dup (SW846 9020B)	<60.0		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:07	1
Chloride (SW846 9251)	110		20.0		mg/L			04/23/25 16:00	10

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-13

Lab Sample ID: 310-304622-3

Date Collected: 04/16/25 17:21

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 00:47	1
Chemical Oxygen Demand (SM 5220D LL)	38.8		5.00		mg/L			04/24/25 10:53	1
TOX Dup (SW846 9020B)	103		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:08	1
Chloride (SW846 9251)	88.1		2.00		mg/L			04/23/25 15:29	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-7

Lab Sample ID: 310-304622-4

Date Collected: 04/16/25 16:31

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 12:36	1
1,2-Dichloroethane	1.24		1.00		ug/L			04/21/25 12:36	1
1,2-Dichloropropane	8.35		1.00		ug/L			04/21/25 12:36	1
Benzene	0.872		0.500		ug/L			04/21/25 12:36	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 12:36	1
cis-1,2-Dichloroethene	175		1.00		ug/L			04/21/25 12:36	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 12:36	1
Tetrachloroethene	1.24		1.00		ug/L			04/21/25 12:36	1
Trichloroethene	14.0		1.00		ug/L			04/21/25 12:36	1
Vinyl chloride	8.95		1.00		ug/L			04/23/25 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		73 - 130					04/21/25 12:36	1
Dibromofluoromethane (Surr)	119		73 - 130					04/23/25 02:51	1
Toluene-d8 (Surr)	95		80 - 120					04/21/25 12:36	1
Toluene-d8 (Surr)	97		80 - 120					04/23/25 02:51	1
4-Bromofluorobenzene (Surr)	102		80 - 120					04/21/25 12:36	1
4-Bromofluorobenzene (Surr)	104		80 - 120					04/23/25 02:51	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-17

Lab Sample ID: 310-304622-5

Date Collected: 04/16/25 16:18

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 12:58	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 12:58	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 12:58	1
Benzene	<0.500		0.500		ug/L			04/21/25 12:58	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 12:58	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			04/21/25 12:58	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 12:58	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 12:58	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 12:58	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	119		73 - 130		04/21/25 12:58	1
Toluene-d8 (Surr)	94		80 - 120		04/21/25 12:58	1
4-Bromofluorobenzene (Surr)	103		80 - 120		04/21/25 12:58	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 00:48	1
Chemical Oxygen Demand (SM 5220D LL)	5.82		5.00		mg/L			04/24/25 10:53	1
TOX Dup (SW846 9020B)	<60.0		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:08	1
Chloride (SW846 9251)	2.64		2.00		mg/L			04/23/25 15:29	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-8

Lab Sample ID: 310-304622-6

Date Collected: 04/16/25 16:44

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 13:20	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 13:20	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 13:20	1
Benzene	<0.500		0.500		ug/L			04/21/25 13:20	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 13:20	1
cis-1,2-Dichloroethene	26.4		1.00		ug/L			04/21/25 13:20	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 13:20	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 13:20	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 13:20	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	116		73 - 130		04/21/25 13:20	1
Toluene-d8 (Surr)	96		80 - 120		04/21/25 13:20	1
4-Bromofluorobenzene (Surr)	105		80 - 120		04/21/25 13:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200	F1 F2	0.200		mg/L			04/19/25 00:51	1
Chemical Oxygen Demand (SM 5220D LL)	9.12		5.00		mg/L			04/24/25 10:53	1
TOX Dup (SW846 9020B)	<60.0		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:08	1
Chloride (SW846 9251)	24.8		2.00		mg/L			04/23/25 15:30	1

Eurofins Cedar Falls

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-12

Lab Sample ID: 310-304622-7

Date Collected: 04/16/25 18:47

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 13:42	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 13:42	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 13:42	1
Benzene	1.25		0.500		ug/L			04/21/25 13:42	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 13:42	1
cis-1,2-Dichloroethene	33.4		1.00		ug/L			04/21/25 13:42	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 13:42	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 13:42	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 13:42	1
Vinyl chloride	4.04		1.00		ug/L			04/23/25 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	119		73 - 130		04/21/25 13:42	1
Dibromofluoromethane (Surr)	117		73 - 130		04/23/25 02:06	1
Toluene-d8 (Surr)	95		80 - 120		04/21/25 13:42	1
Toluene-d8 (Surr)	95		80 - 120		04/23/25 02:06	1
4-Bromofluorobenzene (Surr)	109		80 - 120		04/21/25 13:42	1
4-Bromofluorobenzene (Surr)	109		80 - 120		04/23/25 02:06	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	14.2		0.500		mg/L			04/22/25 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 01:14	1
Chemical Oxygen Demand (SM 5220D LL)	20.9		10.0		mg/L			04/24/25 10:53	2
TOX Dup (SW846 9020B)	<60.0		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:09	1
Chloride (SW846 9251)	43.7		2.00		mg/L			04/23/25 15:30	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-16

Lab Sample ID: 310-304622-8

Date Collected: 04/16/25 16:00

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 14:03	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 14:03	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 14:03	1
Benzene	<0.500		0.500		ug/L			04/21/25 14:03	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 14:03	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			04/21/25 14:03	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 14:03	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 14:03	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 14:03	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		73 - 130		04/21/25 14:03	1
Toluene-d8 (Surr)	94		80 - 120		04/21/25 14:03	1
4-Bromofluorobenzene (Surr)	102		80 - 120		04/21/25 14:03	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 01:15	1
Chemical Oxygen Demand (SM 5220D LL)	7.14		5.00		mg/L			04/24/25 10:53	1
TOX Dup (SW846 9020B)	<60.0		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:09	1
Chloride (SW846 9251)	9.75		2.00		mg/L			04/23/25 15:32	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-10

Lab Sample ID: 310-304622-9

Date Collected: 04/16/25 17:49

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 14:25	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 14:25	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 14:25	1
Benzene	<0.500		0.500		ug/L			04/21/25 14:25	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 14:25	1
cis-1,2-Dichloroethene	2.14		1.00		ug/L			04/21/25 14:25	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 14:25	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 14:25	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 14:25	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	119		73 - 130		04/21/25 14:25	1
Toluene-d8 (Surr)	94		80 - 120		04/21/25 14:25	1
4-Bromofluorobenzene (Surr)	106		80 - 120		04/21/25 14:25	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 01:16	1
Chemical Oxygen Demand (SM 5220D LL)	51.0		5.00		mg/L			04/24/25 10:53	1
TOX Dup (SW846 9020B)	<60.0		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:10	1
Chloride (SW846 9251)	110		20.0		mg/L			04/23/25 16:00	10

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-14

Lab Sample ID: 310-304622-10

Date Collected: 04/16/25 18:33

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 14:47	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 14:47	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 14:47	1
Benzene	<0.500		0.500		ug/L			04/21/25 14:47	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 14:47	1
cis-1,2-Dichloroethene	45.0		1.00		ug/L			04/21/25 14:47	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 14:47	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 14:47	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 14:47	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	117		73 - 130		04/21/25 14:47	1
Toluene-d8 (Surr)	94		80 - 120		04/21/25 14:47	1
4-Bromofluorobenzene (Surr)	103		80 - 120		04/21/25 14:47	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.52		0.500		mg/L			04/22/25 12:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 01:16	1
Chemical Oxygen Demand (SM 5220D LL)	20.2		10.0		mg/L			04/24/25 10:53	2
TOX Dup (SW846 9020B)	90.5		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:10	1
Chloride (SW846 9251)	128		20.0		mg/L			04/23/25 16:00	10

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: Duplicate

Lab Sample ID: 310-304622-11

Date Collected: 04/16/25 18:12

Matrix: Ground Water

Date Received: 04/18/25 09:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			04/21/25 15:08	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 15:08	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 15:08	1
Benzene	<0.500		0.500		ug/L			04/21/25 15:08	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 15:08	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			04/21/25 15:08	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 15:08	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 15:08	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 15:08	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	124		73 - 130		04/21/25 15:08	1
Toluene-d8 (Surr)	93		80 - 120		04/21/25 15:08	1
4-Bromofluorobenzene (Surr)	106		80 - 120		04/21/25 15:08	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			04/19/25 01:18	1
Chemical Oxygen Demand (SM 5220D LL)	11.4		5.00		mg/L			04/24/25 10:53	1
TOX Dup (SW846 9020B)	<60.0		60.0		ug/L			05/02/25 13:14	1
Phenols, Total (SW846 9066)	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:10	1
Chloride (SW846 9251)	112		20.0		mg/L			04/23/25 16:01	10

Definitions/Glossary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Qualifiers

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: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DBFM (73-130)	TOL (80-120)	BFB (80-120)
310-304622-4	MW-7	110	95	102
310-304622-4	MW-7	119	97	104
310-304622-5	MW-17	119	94	103
310-304622-6	MW-8	116	96	105
310-304622-7	MW-12	119	95	109
310-304622-7	MW-12	117	95	109
310-304622-8	MW-16	120	94	102
310-304622-9	MW-10	119	94	106
310-304622-10	MW-14	117	94	103
310-304622-11	Duplicate	124	93	106
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)		
Lab Sample ID	Client Sample ID	DBFM (73-130)	TOL (80-120)	BFB (80-120)
310-304622-1	Trip Blank	114	94	102
LCS 310-452179/6	Lab Control Sample	94	100	101
LCS 310-452179/7	Lab Control Sample	112	94	105
LCS 310-452287/7	Lab Control Sample	97	99	100
LCS 310-452287/8	Lab Control Sample	115	95	107
MB 310-452179/5	Method Blank	114	96	101
MB 310-452287/6	Method Blank	115	94	107
Surrogate Legend				
DBFM = Dibromofluoromethane (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-452179/5

Matrix: Water

Analysis Batch: 452179

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-Trichloroethane	<1.00		1.00		ug/L			04/21/25 10:47	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/21/25 10:47	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/21/25 10:47	1
Benzene	<0.500		0.500		ug/L			04/21/25 10:47	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/21/25 10:47	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			04/21/25 10:47	1
Methylene Chloride	<5.00		5.00		ug/L			04/21/25 10:47	1
Tetrachloroethene	<1.00		1.00		ug/L			04/21/25 10:47	1
Trichloroethene	<1.00		1.00		ug/L			04/21/25 10:47	1
Vinyl chloride	<1.00		1.00		ug/L			04/21/25 10:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		73 - 130		04/21/25 10:47	1
Toluene-d8 (Surr)	96		80 - 120		04/21/25 10:47	1
4-Bromofluorobenzene (Surr)	101		80 - 120		04/21/25 10:47	1

Lab Sample ID: LCS 310-452179/6

Matrix: Water

Analysis Batch: 452179

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-Trichloroethane	20.0	18.30		ug/L		91	73 - 129
1,2-Dichloroethane	20.0	18.18		ug/L		91	71 - 125
1,2-Dichloropropane	20.0	17.85		ug/L		89	73 - 124
Benzene	20.0	18.84		ug/L		94	72 - 124
Chlorodibromomethane	20.0	16.59		ug/L		83	71 - 121
cis-1,2-Dichloroethene	20.0	17.95		ug/L		90	74 - 123
Methylene Chloride	20.0	18.10		ug/L		91	50 - 150
Tetrachloroethene	20.0	17.39		ug/L		87	71 - 130
Trichloroethene	20.0	18.18		ug/L		91	72 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	94		73 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120

Lab Sample ID: LCS 310-452179/7

Matrix: Water

Analysis Batch: 452179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	20.0	23.36		ug/L		117	56 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	112		73 - 130
Toluene-d8 (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	105		80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-452287/6

Matrix: Water

Analysis Batch: 452287

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-Trichloroethane	<1.00		1.00		ug/L			04/22/25 22:43	1
1,2-Dichloroethane	<1.00		1.00		ug/L			04/22/25 22:43	1
1,2-Dichloropropane	<1.00		1.00		ug/L			04/22/25 22:43	1
Benzene	<0.500		0.500		ug/L			04/22/25 22:43	1
Chlorodibromomethane	<5.00		5.00		ug/L			04/22/25 22:43	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			04/22/25 22:43	1
Methylene Chloride	<5.00		5.00		ug/L			04/22/25 22:43	1
Tetrachloroethene	<1.00		1.00		ug/L			04/22/25 22:43	1
Trichloroethene	<1.00		1.00		ug/L			04/22/25 22:43	1
Vinyl chloride	<1.00		1.00		ug/L			04/22/25 22:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		73 - 130		04/22/25 22:43	1
Toluene-d8 (Surr)	94		80 - 120		04/22/25 22:43	1
4-Bromofluorobenzene (Surr)	107		80 - 120		04/22/25 22:43	1

Lab Sample ID: LCS 310-452287/7

Matrix: Water

Analysis Batch: 452287

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-Trichloroethane	20.0	19.23		ug/L		96	73 - 129
1,2-Dichloroethane	20.0	19.66		ug/L		98	71 - 125
1,2-Dichloropropane	20.0	18.90		ug/L		95	73 - 124
Benzene	20.0	17.78		ug/L		89	72 - 124
Chlorodibromomethane	20.0	17.52		ug/L		88	71 - 121
cis-1,2-Dichloroethene	20.0	20.34		ug/L		102	74 - 123
Methylene Chloride	20.0	22.42		ug/L		112	50 - 150
Tetrachloroethene	20.0	19.66		ug/L		98	71 - 130
Trichloroethene	20.0	18.28		ug/L		91	72 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	97		73 - 130
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

Lab Sample ID: LCS 310-452287/8

Matrix: Water

Analysis Batch: 452287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	20.0	17.42		ug/L		87	56 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	115		73 - 130
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120

Eurofins Cedar Falls

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 310-452355/15

Matrix: Water

Analysis Batch: 452355

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			04/22/25 11:46	1

Lab Sample ID: LCS 310-452355/16

Matrix: Water

Analysis Batch: 452355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	20.01		mg/L		100	80 - 120

Lab Sample ID: 310-304622-2 DU

Matrix: Ground Water

Analysis Batch: 452355

Client Sample ID: MW-11

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	<0.500		<0.500		mg/L		NC	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-452095/150

Matrix: Water

Analysis Batch: 452095

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.200		0.200		mg/L			04/19/25 00:25	1

Lab Sample ID: MB 310-452095/180

Matrix: Water

Analysis Batch: 452095

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.200		0.200		mg/L			04/19/25 00:49	1

Lab Sample ID: LCS 310-452095/151

Matrix: Water

Analysis Batch: 452095

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	8.55	8.169		mg/L		96	90 - 110

Lab Sample ID: LCS 310-452095/181

Matrix: Water

Analysis Batch: 452095

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	8.55	8.732		mg/L		102	90 - 110

Eurofins Cedar Falls

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 310-304622-6 MS

Matrix: Ground Water

Analysis Batch: 452095

Client Sample ID: MW-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.200	F1 F2	1.00	0.9813		mg/L		98	90 - 110

Lab Sample ID: 310-304622-6 MSD

Matrix: Ground Water

Analysis Batch: 452095

Client Sample ID: MW-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.200	F1 F2	1.00	0.8247	F1 F2	mg/L		82	90 - 110	17	13

Method: 5220D LL - COD

Lab Sample ID: MB 310-452591/60

Matrix: Water

Analysis Batch: 452591

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	<5.00		5.00		mg/L			04/24/25 10:53	1

Lab Sample ID: MB 310-452591/90

Matrix: Water

Analysis Batch: 452591

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	<5.00		5.00		mg/L			04/24/25 10:53	1

Lab Sample ID: LCS 310-452591/63

Matrix: Water

Analysis Batch: 452591

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	123.9		mg/L		99	85 - 110

Lab Sample ID: LCS 310-452591/91

Matrix: Water

Analysis Batch: 452591

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	121.6		mg/L		97	85 - 110

Lab Sample ID: 310-304622-5 MS

Matrix: Ground Water

Analysis Batch: 452591

Client Sample ID: MW-17

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	5.82		50.0	63.23		mg/L		115	83 - 146

Eurofins Cedar Falls

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method: 5220D LL - COD (Continued)

Lab Sample ID: 310-304622-5 MSD
Matrix: Ground Water
Analysis Batch: 452591

Client Sample ID: MW-17
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	5.82		50.0	60.92		mg/L		110	83 - 146	4	18

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 280-694312/2
Matrix: Water
Analysis Batch: 694312

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOX Dup	<30.0		30.0		ug/L			05/02/25 13:14	1

Lab Sample ID: LCS 280-694312/4
Matrix: Water
Analysis Batch: 694312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	100	95.04		ug/L		95	78 - 114
TOX Dup	100	95.04		ug/L		95	78 - 114

Lab Sample ID: 310-304622-2 MS
Matrix: Ground Water
Analysis Batch: 694312

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TOX Result 1	<60.0	F1	100	103.7		ug/L		78	78 - 114
TOX Dup	<60.0		100	103.7		ug/L		104	78 - 114

Lab Sample ID: 310-304622-2 MSD
Matrix: Ground Water
Analysis Batch: 694312

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TOX Result 1	<60.0	F1	100	99.94	F1	ug/L		74	78 - 114	4	23
TOX Dup	<60.0		100	99.94		ug/L		100	78 - 114	4	23

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 310-452204/1-A
Matrix: Water
Analysis Batch: 452249

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	<0.0200		0.0200		mg/L		04/21/25 12:07	04/21/25 21:04	1

Lab Sample ID: LCS 310-452204/2-A
Matrix: Water
Analysis Batch: 452249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.100	0.09632		mg/L		96	90 - 110

Eurofins Cedar Falls

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method: 9251 - Chloride (Colormetric, Automated Ferricyanide)

Lab Sample ID: MB 310-452503/16

Matrix: Water

Analysis Batch: 452503

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.00		2.00		mg/L			04/23/25 15:22	1

Lab Sample ID: MB 310-452503/45

Matrix: Water

Analysis Batch: 452503

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.00		2.00		mg/L			04/23/25 15:34	1

Lab Sample ID: LCS 310-452503/14

Matrix: Water

Analysis Batch: 452503

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	10.26		mg/L		103	90 - 110

Lab Sample ID: LCS 310-452503/46

Matrix: Water

Analysis Batch: 452503

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	10.39		mg/L		104	90 - 110

QC Association Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

GC/MS VOA

Analysis Batch: 452179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-1	Trip Blank	Total/NA	Water	8260D	
310-304622-4	MW-7	Total/NA	Ground Water	8260D	
310-304622-5	MW-17	Total/NA	Ground Water	8260D	
310-304622-6	MW-8	Total/NA	Ground Water	8260D	
310-304622-7	MW-12	Total/NA	Ground Water	8260D	
310-304622-8	MW-16	Total/NA	Ground Water	8260D	
310-304622-9	MW-10	Total/NA	Ground Water	8260D	
310-304622-10	MW-14	Total/NA	Ground Water	8260D	
310-304622-11	Duplicate	Total/NA	Ground Water	8260D	
MB 310-452179/5	Method Blank	Total/NA	Water	8260D	
LCS 310-452179/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-452179/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 452287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-4	MW-7	Total/NA	Ground Water	8260D	
310-304622-7	MW-12	Total/NA	Ground Water	8260D	
MB 310-452287/6	Method Blank	Total/NA	Water	8260D	
LCS 310-452287/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-452287/8	Lab Control Sample	Total/NA	Water	8260D	

Metals

Analysis Batch: 452355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-2	MW-11	Dissolved	Ground Water	6010D	
310-304622-3	MW-13	Dissolved	Ground Water	6010D	
310-304622-5	MW-17	Dissolved	Ground Water	6010D	
310-304622-6	MW-8	Dissolved	Ground Water	6010D	
310-304622-7	MW-12	Dissolved	Ground Water	6010D	
310-304622-8	MW-16	Dissolved	Ground Water	6010D	
310-304622-9	MW-10	Dissolved	Ground Water	6010D	
310-304622-10	MW-14	Dissolved	Ground Water	6010D	
310-304622-11	Duplicate	Dissolved	Ground Water	6010D	
MB 310-452355/15	Method Blank	Total/NA	Water	6010D	
LCS 310-452355/16	Lab Control Sample	Total/NA	Water	6010D	
310-304622-2 DU	MW-11	Dissolved	Ground Water	6010D	

General Chemistry

Analysis Batch: 452095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-2	MW-11	Total/NA	Ground Water	350.1	
310-304622-3	MW-13	Total/NA	Ground Water	350.1	
310-304622-5	MW-17	Total/NA	Ground Water	350.1	
310-304622-6	MW-8	Total/NA	Ground Water	350.1	
310-304622-7	MW-12	Total/NA	Ground Water	350.1	
310-304622-8	MW-16	Total/NA	Ground Water	350.1	
310-304622-9	MW-10	Total/NA	Ground Water	350.1	
310-304622-10	MW-14	Total/NA	Ground Water	350.1	
310-304622-11	Duplicate	Total/NA	Ground Water	350.1	
MB 310-452095/150	Method Blank	Total/NA	Water	350.1	

Eurofins Cedar Falls

QC Association Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

General Chemistry (Continued)

Analysis Batch: 452095 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-452095/180	Method Blank	Total/NA	Water	350.1	
LCS 310-452095/151	Lab Control Sample	Total/NA	Water	350.1	
LCS 310-452095/181	Lab Control Sample	Total/NA	Water	350.1	
310-304622-6 MS	MW-8	Total/NA	Ground Water	350.1	
310-304622-6 MSD	MW-8	Total/NA	Ground Water	350.1	

Prep Batch: 452204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-2	MW-11	Total/NA	Ground Water	Distill/Phenol	
310-304622-3	MW-13	Total/NA	Ground Water	Distill/Phenol	
310-304622-5	MW-17	Total/NA	Ground Water	Distill/Phenol	
310-304622-6	MW-8	Total/NA	Ground Water	Distill/Phenol	
310-304622-7	MW-12	Total/NA	Ground Water	Distill/Phenol	
310-304622-8	MW-16	Total/NA	Ground Water	Distill/Phenol	
310-304622-9	MW-10	Total/NA	Ground Water	Distill/Phenol	
310-304622-10	MW-14	Total/NA	Ground Water	Distill/Phenol	
310-304622-11	Duplicate	Total/NA	Ground Water	Distill/Phenol	
MB 310-452204/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 310-452204/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	

Analysis Batch: 452249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-2	MW-11	Total/NA	Ground Water	9066	452204
310-304622-3	MW-13	Total/NA	Ground Water	9066	452204
310-304622-5	MW-17	Total/NA	Ground Water	9066	452204
310-304622-6	MW-8	Total/NA	Ground Water	9066	452204
310-304622-7	MW-12	Total/NA	Ground Water	9066	452204
310-304622-8	MW-16	Total/NA	Ground Water	9066	452204
310-304622-9	MW-10	Total/NA	Ground Water	9066	452204
310-304622-10	MW-14	Total/NA	Ground Water	9066	452204
310-304622-11	Duplicate	Total/NA	Ground Water	9066	452204
MB 310-452204/1-A	Method Blank	Total/NA	Water	9066	452204
LCS 310-452204/2-A	Lab Control Sample	Total/NA	Water	9066	452204

Analysis Batch: 452503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-2	MW-11	Total/NA	Ground Water	9251	
310-304622-3	MW-13	Total/NA	Ground Water	9251	
310-304622-5	MW-17	Total/NA	Ground Water	9251	
310-304622-6	MW-8	Total/NA	Ground Water	9251	
310-304622-7	MW-12	Total/NA	Ground Water	9251	
310-304622-8	MW-16	Total/NA	Ground Water	9251	
310-304622-9	MW-10	Total/NA	Ground Water	9251	
310-304622-10	MW-14	Total/NA	Ground Water	9251	
310-304622-11	Duplicate	Total/NA	Ground Water	9251	
MB 310-452503/16	Method Blank	Total/NA	Water	9251	
MB 310-452503/45	Method Blank	Total/NA	Water	9251	
LCS 310-452503/14	Lab Control Sample	Total/NA	Water	9251	
LCS 310-452503/46	Lab Control Sample	Total/NA	Water	9251	

Eurofins Cedar Falls

QC Association Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

General Chemistry

Analysis Batch: 452591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-2	MW-11	Total/NA	Ground Water	5220D LL	
310-304622-3	MW-13	Total/NA	Ground Water	5220D LL	
310-304622-5	MW-17	Total/NA	Ground Water	5220D LL	
310-304622-6	MW-8	Total/NA	Ground Water	5220D LL	
310-304622-7	MW-12	Total/NA	Ground Water	5220D LL	
310-304622-8	MW-16	Total/NA	Ground Water	5220D LL	
310-304622-9	MW-10	Total/NA	Ground Water	5220D LL	
310-304622-10	MW-14	Total/NA	Ground Water	5220D LL	
310-304622-11	Duplicate	Total/NA	Ground Water	5220D LL	
MB 310-452591/60	Method Blank	Total/NA	Water	5220D LL	
MB 310-452591/90	Method Blank	Total/NA	Water	5220D LL	
LCS 310-452591/63	Lab Control Sample	Total/NA	Water	5220D LL	
LCS 310-452591/91	Lab Control Sample	Total/NA	Water	5220D LL	
310-304622-5 MS	MW-17	Total/NA	Ground Water	5220D LL	
310-304622-5 MSD	MW-17	Total/NA	Ground Water	5220D LL	

Analysis Batch: 694312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-304622-2	MW-11	Total/NA	Ground Water	9020B	
310-304622-3	MW-13	Total/NA	Ground Water	9020B	
310-304622-5	MW-17	Total/NA	Ground Water	9020B	
310-304622-6	MW-8	Total/NA	Ground Water	9020B	
310-304622-7	MW-12	Total/NA	Ground Water	9020B	
310-304622-8	MW-16	Total/NA	Ground Water	9020B	
310-304622-9	MW-10	Total/NA	Ground Water	9020B	
310-304622-10	MW-14	Total/NA	Ground Water	9020B	
310-304622-11	Duplicate	Total/NA	Ground Water	9020B	
MB 280-694312/2	Method Blank	Total/NA	Water	9020B	
LCS 280-694312/4	Lab Control Sample	Total/NA	Water	9020B	
310-304622-2 MS	MW-11	Total/NA	Ground Water	9020B	
310-304622-2 MSD	MW-11	Total/NA	Ground Water	9020B	

Lab Chronicle

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-304622-1

Date Collected: 04/16/25 16:58

Matrix: Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 11:53

Client Sample ID: MW-11

Lab Sample ID: 310-304622-2

Date Collected: 04/16/25 18:12

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 11:48
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 00:46
Total/NA	Analysis	5220D LL		1	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:07
Total/NA	Analysis	9251		10	452503	ENB7	EET CF	04/23/25 16:00

Client Sample ID: MW-13

Lab Sample ID: 310-304622-3

Date Collected: 04/16/25 17:21

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 11:51
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 00:47
Total/NA	Analysis	5220D LL		1	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:08
Total/NA	Analysis	9251		1	452503	ENB7	EET CF	04/23/25 15:29

Client Sample ID: MW-7

Lab Sample ID: 310-304622-4

Date Collected: 04/16/25 16:31

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 12:36
Total/NA	Analysis	8260D		1	452287	WSE8	EET CF	04/23/25 02:51

Client Sample ID: MW-17

Lab Sample ID: 310-304622-5

Date Collected: 04/16/25 16:18

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 12:58
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 11:53
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 00:48

Eurofins Cedar Falls

Lab Chronicle

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-17

Date Collected: 04/16/25 16:18

Date Received: 04/18/25 09:05

Lab Sample ID: 310-304622-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	5220D LL		1	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:08
Total/NA	Analysis	9251		1	452503	ENB7	EET CF	04/23/25 15:29

Client Sample ID: MW-8

Date Collected: 04/16/25 16:44

Date Received: 04/18/25 09:05

Lab Sample ID: 310-304622-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 13:20
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 11:57
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 00:51
Total/NA	Analysis	5220D LL		1	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:08
Total/NA	Analysis	9251		1	452503	ENB7	EET CF	04/23/25 15:30

Client Sample ID: MW-12

Date Collected: 04/16/25 18:47

Date Received: 04/18/25 09:05

Lab Sample ID: 310-304622-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 13:42
Total/NA	Analysis	8260D		1	452287	WSE8	EET CF	04/23/25 02:06
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 11:58
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 01:14
Total/NA	Analysis	5220D LL		2	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:09
Total/NA	Analysis	9251		1	452503	ENB7	EET CF	04/23/25 15:30

Client Sample ID: MW-16

Date Collected: 04/16/25 16:00

Date Received: 04/18/25 09:05

Lab Sample ID: 310-304622-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 14:03
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 12:00
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 01:15

Eurofins Cedar Falls

Lab Chronicle

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: MW-16

Lab Sample ID: 310-304622-8

Date Collected: 04/16/25 16:00

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	5220D LL		1	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:09
Total/NA	Analysis	9251		1	452503	ENB7	EET CF	04/23/25 15:32

Client Sample ID: MW-10

Lab Sample ID: 310-304622-9

Date Collected: 04/16/25 17:49

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 14:25
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 12:01
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 01:16
Total/NA	Analysis	5220D LL		1	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:10
Total/NA	Analysis	9251		10	452503	ENB7	EET CF	04/23/25 16:00

Client Sample ID: MW-14

Lab Sample ID: 310-304622-10

Date Collected: 04/16/25 18:33

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 14:47
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 12:02
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 01:16
Total/NA	Analysis	5220D LL		2	452591	HE7K	EET CF	04/24/25 10:53
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:10
Total/NA	Analysis	9251		10	452503	ENB7	EET CF	04/23/25 16:00

Client Sample ID: Duplicate

Lab Sample ID: 310-304622-11

Date Collected: 04/16/25 18:12

Matrix: Ground Water

Date Received: 04/18/25 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452179	WSE8	EET CF	04/21/25 15:08
Dissolved	Analysis	6010D		1	452355	ZRI4	EET CF	04/22/25 12:04
Total/NA	Analysis	350.1		1	452095	ZJX4	EET CF	04/19/25 01:18
Total/NA	Analysis	5220D LL		1	452591	HE7K	EET CF	04/24/25 10:53

Eurofins Cedar Falls

Lab Chronicle

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Client Sample ID: Duplicate

Date Collected: 04/16/25 18:12

Date Received: 04/18/25 09:05

Lab Sample ID: 310-304622-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9020B		1	694312	CAI	EET DEN	05/02/25 13:14
Total/NA	Prep	Distill/Phenol			452204	HE7K	EET CF	04/21/25 12:07
Total/NA	Analysis	9066		1	452249	ZJX4	EET CF	04/21/25 21:10
Total/NA	Analysis	9251		10	452503	ENB7	EET CF	04/23/25 16:01

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

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

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-26
A2LA	ISO/IEC 17025	2907.01	10-31-26
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	11-30-25
Arizona	State	AZ0713	12-20-25
Arkansas DEQ	State	88-00687	04-02-26
California	State	2513	01-08-26
Colorado	Petroleum Storage Tank Program	2907.01 (A2LA)	10-31-26
Colorado	State	CO00026	06-30-25
Connecticut	State	PH-0686	09-30-26
Florida	NELAP	E87667	06-30-25
Georgia	State	4025	01-08-26
Illinois	NELAP	200017	05-31-25
Iowa	State	370	12-01-26
Kansas	NELAP	E-10166	04-30-26
Kentucky (WW)	State	KY98047	12-31-25
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-25
Minnesota	NELAP	1788752	12-31-25
Nevada	State	CO00026	07-31-25
New Hampshire	NELAP	2053	04-28-26
New Jersey	NELAP	230001	06-30-25
New York	NELAP	11964	04-01-26
North Dakota	State	R-034	01-08-25 *
Oklahoma	NELAP	8614	08-31-25
Oregon	NELAP	4025	01-08-26
Pennsylvania	NELAP	68-00664	07-31-25
South Carolina	State	72002001	01-18-25 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183	09-30-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO00026	07-31-25
Virginia	NELAP	460232	06-14-25
Washington	State	C583	08-03-25
West Virginia DEP	State	354	11-30-25
Wisconsin	State	999615430	08-31-25
Wyoming (UST)	A2LA	2907.01	10-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Cedar Falls

Method Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill-March 2025

Job ID: 310-304622-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
6010D	Metals (ICP)	SW846	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
5220D LL	COD	SM	EET CF
9020B	Organic Halides, Total (TOX)	SW846	EET DEN
9066	Phenolics, Total Recoverable	SW846	EET CF
9251	Chloride (Colormetric, Automated Ferricyanide)	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
Distill/Phenol	Distillation, Phenolics	None	EET CF

Protocol References:

EPA = US Environmental Protection Agency

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 DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Environment Testing
America



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Plymouth</u>			
City/State: <u>Le Mars</u>	STATE: <u>IA</u>	Project:	
Receipt Information			
Date/Time Received: <u>4/18/25</u> <u>905</u>	Received By: <u>XP</u>		
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 # <u>1</u> of <u>2</u>	
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: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>2.9</u>		Corrected Temp (°C): <u>2.9</u>	
• 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			



Environment Testing
America

Place COC scanning label
here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Plymouth</u>			
City/State:	CITY: <u>Le Mars</u>	STATE: <u>IA</u>	Project:
Receipt Information			
Date/Time Received:	DATE: <u>4/18/25</u>	TIME: <u>905</u>	Received By: <u>XB</u>
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 # <u>2</u> of <u>2</u>
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? ↓
<u>MW-7, MW-17, MW-12, MW-8, MW-12</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE			
Thermometer ID: <u>Z</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>2.0</u>		Corrected Temp (°C): <u>2.0</u>	
• 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			

Chain of Custody Record

Client Information		Sampler: Kent Herbald		Lab PMT: Bindert, Zach T		Carrier Tracking No(s): 310-103163-27564 1	
Client Contact: Kent Herbald		Phone: 712-260-2395		E-Mail: Zach.Bindert@eurofins.com		State of Origin: Iowa	
Company: Plymouth Co Solid Waste		PWSID:		Analysis Requested		Page: 1 of 2	
Address: 34898 150th Street		Due Date Requested:		Preservation Codes:		Job #:	
City: LeMars		TAT Requested (days):		A - HCL			
State, Zip: IA, 51031		Compliance Project: ☐ Yes ☐ No		S - H2SO4			
Phone: 712-260-2395		PO #:		N - None			
Email: Kherbald@plymouthco.iowa.gov		Purchase Order not required		D - HNO3			
Kherbald@plymouthco.iowa.gov		WO #:		Other:			
Project Name: Plymouth County Landfill - March 2025		Project #:		Total Number of Containers		Special Instructions/Note:	
Site: Iowa		SSOW#:		8260D - Volatile Custom Sublet		USE SITES AND EVENTS	
Sample Identification		Sample Date		Sample Time		Sample Type	
Trip Blank						Matrix	
MW-9 - well Dry		4-16-25		4:58		Water	
MW-11		4-16-25		6:12		Water	
MW-13		4-16-25		5:21		Water	
MW-7		4-16-25		4:31		Water	
MW-17		4-16-25		4:18		Water	
MW-8		4-16-25		4:44		Water	
MW-12		4-16-25		6:47		Water	
MW-16		4-16-25		4:00		Water	
MW-10		4-16-25		5:49		Water	
MW-14		4-16-25		6:33		Water	
Possible Hazard Identification		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 1, II, III, IV, Other (specify)		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐		Special Instructions/QC Requirements:			
Empty Kit Relinquished by		Date:		Time		Method of Shipment	
Relinquished by		Date/Time:		Company		Received by	
Relinquished by		Date/Time:		Company		Received by	
Relinquished by		Date/Time:		Company		Received by	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks:		Date/Time: 4/18/25 9:05	

Chain of Custody Record

Client Information					
Sampler Lab PM: Bindert, Zach T	Carrier Tracking No(s).	COC No:			
Phone: 712-260-2395	E-Mail: Zach.Bindert@et.eurofinsus.com	Page: Page 2 of 2			
FWSID:					
Analysis Requested					
Due Date Requested.					
TAT Requested (days):					
Compliance Project: Yes No					
Purchase Order not required					
PO #:					
WO #:					
Project #:					
SSOW#:					
Sample Identification		Matrix (Viscous, Solid, Overweight)			
Sample Type (C=Comp, G=grab)	Sample Time	Sample Date	Preservation Code:	Water	
Duplicate		4-16-25	G		
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		860D - Volatile Custom Sublist	
X		X		A S N D X X X X X	
Ammonia - 350 t, COD - 52200_LL		9251 - Chloride		6010B - Dissolved Iron	
9066 - Phenols, Total		TOX - 9020B			
Total Number of containers		X		USE SITES AND EVENTS	
Special Instructions/Note:					
Other					
Preservation Codes:					
A - FCL					
S - H2SO4					
N - None					
D - HNO3					
Possible Hazard Identification					
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested I, II, III, IV Other (specify)					
Empty Kit Relinquished by:					
Relinquished by:					
Date/Time:					
Company:					
Relinquished by:					
Date/Time:					
Company:					
Relinquished by:					
Date/Time:					
Company:					
Custody Seal Intact					
△ Yes △ No					
Cooler Temperature(s) °C and Other Remarks:					
XB 4/18/25 405					

Login Sample Receipt Checklist

Client: Plymouth Co. Solid Waste

Job Number: 310-304622-1

Login Number: 304622

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Bunker, Xavier M

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (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: Plymouth Co. Solid Waste

Job Number: 310-304622-1

Login Number: 304622

List Number: 2

Creator: Roehsner, Karen P

List Source: Eurofins Denver

List Creation: 04/19/25 02:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
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?	N/A	
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Kent Herbold
Plymouth Co. Solid Waste
34898 150th Street
LeMars, Iowa 51031

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JOB DESCRIPTION

Plymouth County Landfill
March Sampling

JOB NUMBER

310-320092-1

Eurofins Cedar Falls

Job Notes

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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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Case Narrative

Client: Plymouth Co. Solid Waste
Project: Plymouth County Landfill

Job ID: 310-320092-1

Job ID: 310-320092-1

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Job Narrative 310-320092-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 11/7/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

GC/MS VOA

Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container: MW-12 (310-320092-3) and Trip Blank (310-320092-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

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.

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Sample Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-320092-1	MW-17	Ground Water	11/05/25 03:44	11/07/25 10:00	Iowa
310-320092-2	MW-8	Ground Water	11/05/25 04:08	11/07/25 10:00	Iowa
310-320092-3	MW-12	Ground Water	11/05/25 05:11	11/07/25 10:00	Iowa
310-320092-4	MW-16	Ground Water	11/05/25 03:23	11/07/25 10:00	Iowa
310-320092-5	MW-10	Ground Water	11/05/25 04:41	11/07/25 10:00	Iowa
310-320092-6	MW-14	Ground Water	11/05/25 05:00	11/07/25 10:00	Iowa
310-320092-7	Duplicate	Ground Water	11/05/25 03:23	11/07/25 10:00	Iowa
310-320092-8	MW-11	Ground Water	11/05/25 04:51	11/07/25 10:00	Iowa
310-320092-9	MW-13	Ground Water	11/05/25 04:31	11/07/25 10:00	Iowa
310-320092-10	MW-7	Ground Water	11/05/25 03:59	11/07/25 10:00	Iowa
310-320092-11	Trip Blank	Water	11/05/25 00:00	11/07/25 10:00	Iowa

Detection Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-17

Lab Sample ID: 310-320092-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	8.72		5.00		mg/L	1		5220D LL	Total/NA
Chloride	2.96		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 310-320092-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	38.9		1.00		ug/L	1		8260D	Total/NA
Chemical Oxygen Demand	6.98		5.00		mg/L	1		5220D LL	Total/NA
Chloride	26.6		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 310-320092-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.41		0.500		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	29.3		1.00		ug/L	1		8260D	Total/NA
Vinyl chloride	5.38		1.00		ug/L	1		8260D	Total/NA
Iron	17.2		0.500		mg/L	1		6010D	Dissolved
Ammonia	0.369		0.200		mg/L	1		350.1	Total/NA
Chemical Oxygen Demand	7.67		5.00		mg/L	1		5220D LL	Total/NA
Chloride	34.7		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 310-320092-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	5.23		5.00		mg/L	1		5220D LL	Total/NA
Chloride	9.31		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-10

Lab Sample ID: 310-320092-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	32.5		5.00		mg/L	1		5220D LL	Total/NA
Chloride	170		20.0		mg/L	10		9251	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 310-320092-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.562		0.500		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	50.0		1.00		ug/L	1		8260D	Total/NA
Chemical Oxygen Demand	16.4		5.00		mg/L	1		5220D LL	Total/NA
Chloride	97.9		2.00		mg/L	1		9251	Total/NA

Client Sample ID: Duplicate

Lab Sample ID: 310-320092-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	8.69		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 310-320092-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	9.77		5.00		mg/L	1		5220D LL	Total/NA
Chloride	121		20.0		mg/L	10		9251	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-13

Lab Sample ID: 310-320092-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chemical Oxygen Demand	29.5		5.00		mg/L	1		5220D LL	Total/NA
Chloride	57.6		2.00		mg/L	1		9251	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 310-320092-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.07		1.00		ug/L	1		8260D	Total/NA
1,2-Dichloropropane	7.36		1.00		ug/L	1		8260D	Total/NA
Benzene	0.783		0.500		ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	171		1.00		ug/L	1		8260D	Total/NA
Trichloroethene	10.0		1.00		ug/L	1		8260D	Total/NA
Vinyl chloride	5.79		1.00		ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 310-320092-11

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-17

Lab Sample ID: 310-320092-1

Date Collected: 11/05/25 03:44

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 15:20	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 15:20	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 15:20	1
Benzene	<0.500		0.500		ug/L			11/12/25 15:20	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 15:20	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			11/12/25 15:20	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 15:20	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 15:20	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 15:20	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		76 - 130		11/12/25 15:20	1
Toluene-d8 (Surr)	94		80 - 120		11/12/25 15:20	1
4-Bromofluorobenzene (Surr)	110		80 - 120		11/12/25 15:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			11/11/25 20:01	1
Chemical Oxygen Demand (SM 5220D LL)	8.72		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	2.96		2.00		mg/L			11/14/25 10:28	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-8

Lab Sample ID: 310-320092-2

Date Collected: 11/05/25 04:08

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 15:42	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 15:42	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 15:42	1
Benzene	<0.500		0.500		ug/L			11/12/25 15:42	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 15:42	1
cis-1,2-Dichloroethene	38.9		1.00		ug/L			11/12/25 15:42	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 15:42	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 15:42	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 15:42	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		11/12/25 15:42	1
Toluene-d8 (Surr)	97		80 - 120		11/12/25 15:42	1
4-Bromofluorobenzene (Surr)	105		80 - 120		11/12/25 15:42	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			11/11/25 20:02	1
Chemical Oxygen Demand (SM 5220D LL)	6.98		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	26.6		2.00		mg/L			11/14/25 10:29	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-12

Lab Sample ID: 310-320092-3

Date Collected: 11/05/25 05:11

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 16:05	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 16:05	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 16:05	1
Benzene	1.41		0.500		ug/L			11/12/25 16:05	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 16:05	1
cis-1,2-Dichloroethene	29.3		1.00		ug/L			11/12/25 16:05	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 16:05	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 16:05	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 16:05	1
Vinyl chloride	5.38		1.00		ug/L			11/12/25 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		11/12/25 16:05	1
Toluene-d8 (Surr)	96		80 - 120		11/12/25 16:05	1
4-Bromofluorobenzene (Surr)	107		80 - 120		11/12/25 16:05	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	17.2		0.500		mg/L		11/12/25 07:19	11/18/25 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	0.369		0.200		mg/L			11/11/25 20:03	1
Chemical Oxygen Demand (SM 5220D LL)	7.67		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	34.7		2.00		mg/L			11/14/25 10:29	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-16

Lab Sample ID: 310-320092-4

Date Collected: 11/05/25 03:23

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 16:27	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 16:27	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 16:27	1
Benzene	<0.500		0.500		ug/L			11/12/25 16:27	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 16:27	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			11/12/25 16:27	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 16:27	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 16:27	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 16:27	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		76 - 130		11/12/25 16:27	1
Toluene-d8 (Surr)	98		80 - 120		11/12/25 16:27	1
4-Bromofluorobenzene (Surr)	108		80 - 120		11/12/25 16:27	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			11/11/25 20:05	1
Chemical Oxygen Demand (SM 5220D LL)	5.23		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	9.31		2.00		mg/L			11/14/25 10:29	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-10

Lab Sample ID: 310-320092-5

Date Collected: 11/05/25 04:41

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 16:50	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 16:50	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 16:50	1
Benzene	<0.500		0.500		ug/L			11/12/25 16:50	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 16:50	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			11/12/25 16:50	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 16:50	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 16:50	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 16:50	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	105		76 - 130		11/12/25 16:50	1
Toluene-d8 (Surr)	99		80 - 120		11/12/25 16:50	1
4-Bromofluorobenzene (Surr)	110		80 - 120		11/12/25 16:50	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			11/11/25 20:06	1
Chemical Oxygen Demand (SM 5220D LL)	32.5		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	170		20.0		mg/L			11/14/25 10:30	10

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-14

Lab Sample ID: 310-320092-6

Date Collected: 11/05/25 05:00

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 17:12	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 17:12	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 17:12	1
Benzene	0.562		0.500		ug/L			11/12/25 17:12	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 17:12	1
cis-1,2-Dichloroethene	50.0		1.00		ug/L			11/12/25 17:12	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 17:12	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 17:12	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 17:12	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		76 - 130		11/12/25 17:12	1
Toluene-d8 (Surr)	98		80 - 120		11/12/25 17:12	1
4-Bromofluorobenzene (Surr)	104		80 - 120		11/12/25 17:12	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L		11/12/25 07:19	11/18/25 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			11/11/25 20:07	1
Chemical Oxygen Demand (SM 5220D LL)	16.4		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	97.9		2.00		mg/L			11/13/25 02:09	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: Duplicate

Lab Sample ID: 310-320092-7

Date Collected: 11/05/25 03:23

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 17:35	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 17:35	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 17:35	1
Benzene	<0.500		0.500		ug/L			11/12/25 17:35	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 17:35	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			11/12/25 17:35	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 17:35	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 17:35	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 17:35	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		11/12/25 17:35	1
Toluene-d8 (Surr)	96		80 - 120		11/12/25 17:35	1
4-Bromofluorobenzene (Surr)	107		80 - 120		11/12/25 17:35	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			11/11/25 20:08	1
Chemical Oxygen Demand (SM 5220D LL)	<5.00		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	8.69		2.00		mg/L			11/13/25 02:10	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-11

Lab Sample ID: 310-320092-8

Date Collected: 11/05/25 04:51

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200	F1 F2	0.200		mg/L			11/11/25 20:10	1
Chemical Oxygen Demand (SM 5220D LL)	9.77		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	121		20.0		mg/L			11/14/25 10:30	10

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-13

Lab Sample ID: 310-320092-9

Date Collected: 11/05/25 04:31

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 13:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.200		0.200		mg/L			11/11/25 20:12	1
Chemical Oxygen Demand (SM 5220D LL)	29.5		5.00		mg/L			11/17/25 10:53	1
Chloride (SW846 9251)	57.6		2.00		mg/L			11/14/25 10:31	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-7

Lab Sample ID: 310-320092-10

Date Collected: 11/05/25 03:59

Matrix: Ground Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 17:58	1
1,2-Dichloroethane	1.07		1.00		ug/L			11/12/25 17:58	1
1,2-Dichloropropane	7.36		1.00		ug/L			11/12/25 17:58	1
Benzene	0.783		0.500		ug/L			11/12/25 17:58	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 17:58	1
cis-1,2-Dichloroethene	171		1.00		ug/L			11/12/25 17:58	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 17:58	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 17:58	1
Trichloroethene	10.0		1.00		ug/L			11/12/25 17:58	1
Vinyl chloride	5.79		1.00		ug/L			11/12/25 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		11/12/25 17:58	1
Toluene-d8 (Surr)	98		80 - 120		11/12/25 17:58	1
4-Bromofluorobenzene (Surr)	104		80 - 120		11/12/25 17:58	1

Client Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: Trip Blank

Lab Sample ID: 310-320092-11

Date Collected: 11/05/25 00:00

Matrix: Water

Date Received: 11/07/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.00		1.00		ug/L			11/12/25 12:42	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 12:42	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 12:42	1
Benzene	<0.500		0.500		ug/L			11/12/25 12:42	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 12:42	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			11/12/25 12:42	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 12:42	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 12:42	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 12:42	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		76 - 130		11/12/25 12:42	1
Toluene-d8 (Surr)	98		80 - 120		11/12/25 12:42	1
4-Bromofluorobenzene (Surr)	106		80 - 120		11/12/25 12:42	1

Definitions/Glossary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Qualifiers

Metals

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.

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
SQL	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: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-320092-1	MW-17	105	94	110
310-320092-2	MW-8	110	97	105
310-320092-3	MW-12	113	96	107
310-320092-4	MW-16	107	98	108
310-320092-5	MW-10	105	99	110
310-320092-5 MS	MW-10	105	101	102
310-320092-5 MSD	MW-10	107	100	104
310-320092-6	MW-14	113	98	104
310-320092-7	Duplicate	110	96	107
310-320092-10	MW-7	114	98	104
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (76-130)	TOL (80-120)	BFB (80-120)
310-320092-11	Trip Blank	110	98	106
LCS 310-473264/10	Lab Control Sample	106	97	109
LCS 310-473264/8	Lab Control Sample	102	102	103
MB 310-473264/7	Method Blank	102	99	110
Surrogate Legend				
DBFM = Dibromofluoromethane (Surr)				
TOL = Toluene-d8 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-473264/7

Matrix: Water

Analysis Batch: 473264

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-Trichloroethane	<1.00		1.00		ug/L			11/12/25 11:12	1
1,2-Dichloroethane	<1.00		1.00		ug/L			11/12/25 11:12	1
1,2-Dichloropropane	<1.00		1.00		ug/L			11/12/25 11:12	1
Benzene	<0.500		0.500		ug/L			11/12/25 11:12	1
Chlorodibromomethane	<5.00		5.00		ug/L			11/12/25 11:12	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			11/12/25 11:12	1
Methylene Chloride	<5.00		5.00		ug/L			11/12/25 11:12	1
Tetrachloroethene	<1.00		1.00		ug/L			11/12/25 11:12	1
Trichloroethene	<1.00		1.00		ug/L			11/12/25 11:12	1
Vinyl chloride	<1.00		1.00		ug/L			11/12/25 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		76 - 130		11/12/25 11:12	1
Toluene-d8 (Surr)	99		80 - 120		11/12/25 11:12	1
4-Bromofluorobenzene (Surr)	110		80 - 120		11/12/25 11:12	1

Lab Sample ID: LCS 310-473264/10

Matrix: Water

Analysis Batch: 473264

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	20.0	18.62		ug/L		93	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	106		76 - 130
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	109		80 - 120

Lab Sample ID: LCS 310-473264/8

Matrix: Water

Analysis Batch: 473264

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-Trichloroethane	20.0	20.61		ug/L		103	69 - 130
1,2-Dichloroethane	20.0	19.32		ug/L		97	68 - 125
1,2-Dichloropropane	20.0	17.89		ug/L		89	72 - 128
Benzene	20.0	18.43		ug/L		92	71 - 125
Chlorodibromomethane	20.0	18.53		ug/L		93	69 - 121
cis-1,2-Dichloroethene	20.0	20.90		ug/L		104	72 - 123
Methylene Chloride	20.0	21.15		ug/L		106	72 - 128
Tetrachloroethene	20.0	19.83		ug/L		99	70 - 128
Trichloroethene	20.0	18.05		ug/L		90	70 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	102		76 - 130
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120

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QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-320092-5 MS

Matrix: Ground Water

Analysis Batch: 473264

Client Sample ID: MW-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<1.00		25.0	23.31		ug/L		93	53 - 130
1,2-Dichloroethane	<1.00		25.0	21.89		ug/L		88	48 - 128
1,2-Dichloropropane	<1.00		25.0	19.24		ug/L		77	59 - 128
Benzene	<0.500		25.0	20.25		ug/L		81	48 - 125
Chlorodibromomethane	<5.00		25.0	20.59		ug/L		82	53 - 121
cis-1,2-Dichloroethene	<1.00		25.0	23.74		ug/L		95	51 - 123
Methylene Chloride	<5.00		25.0	24.88		ug/L		100	59 - 128
Tetrachloroethene	<1.00		25.0	22.73		ug/L		91	51 - 128
Trichloroethene	<1.00		25.0	19.55		ug/L		78	50 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	105		76 - 130
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Lab Sample ID: 310-320092-5 MSD

Matrix: Ground Water

Analysis Batch: 473264

Client Sample ID: MW-10

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-Trichloroethane	<1.00		25.0	22.41		ug/L		90	53 - 130	4	20
1,2-Dichloroethane	<1.00		25.0	21.04		ug/L		84	48 - 128	4	20
1,2-Dichloropropane	<1.00		25.0	18.59		ug/L		74	59 - 128	3	20
Benzene	<0.500		25.0	19.66		ug/L		79	48 - 125	3	20
Chlorodibromomethane	<5.00		25.0	20.19		ug/L		81	53 - 121	2	20
cis-1,2-Dichloroethene	<1.00		25.0	23.05		ug/L		92	51 - 123	3	20
Methylene Chloride	<5.00		25.0	23.65		ug/L		95	59 - 128	5	20
Tetrachloroethene	<1.00		25.0	21.95		ug/L		88	51 - 128	3	20
Trichloroethene	<1.00		25.0	18.68		ug/L		75	50 - 128	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	107		76 - 130
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 310-473216/1-A

Matrix: Water

Analysis Batch: 474009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 473216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L		11/12/25 07:19	11/18/25 12:39	1

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QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 310-473216/2-A
Matrix: Water
Analysis Batch: 474009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 473216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.200	0.1889	J	mg/L		94	80 - 120

Lab Sample ID: MB 310-474151/71
Matrix: Water
Analysis Batch: 474151

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.500		0.500		mg/L			11/19/25 12:28	1

Lab Sample ID: LCS 310-474151/74
Matrix: Water
Analysis Batch: 474151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	19.27		mg/L		96	80 - 120

Lab Sample ID: 310-320092-6 DU
Matrix: Ground Water
Analysis Batch: 474009

Client Sample ID: MW-14
Prep Type: Dissolved
Prep Batch: 473216

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Iron	<0.500		<0.500		mg/L		NC	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-473203/33
Matrix: Water
Analysis Batch: 473203

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.200		0.200		mg/L			11/11/25 18:27	1

Lab Sample ID: MB 310-473203/75
Matrix: Water
Analysis Batch: 473203

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.200		0.200		mg/L			11/11/25 20:08	1

Lab Sample ID: LCS 310-473203/34
Matrix: Water
Analysis Batch: 473203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	5.65	5.677		mg/L		100	90 - 110

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QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 310-473203/76

Matrix: Water

Analysis Batch: 473203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	5.65	5.417		mg/L		96	90 - 110

Lab Sample ID: 310-320092-8 MS

Matrix: Ground Water

Analysis Batch: 473203

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.200	F1 F2	1.00	0.9370		mg/L		94	90 - 110

Lab Sample ID: 310-320092-8 MSD

Matrix: Ground Water

Analysis Batch: 473203

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.200	F1 F2	1.00	0.7346	F1 F2	mg/L		73	90 - 110	24	23

Method: 5220D LL - COD

Lab Sample ID: MB 310-473758/60

Matrix: Water

Analysis Batch: 473758

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	<5.00		5.00		mg/L			11/17/25 10:53	1

Lab Sample ID: LCS 310-473758/63

Matrix: Water

Analysis Batch: 473758

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	62.7	60.41		mg/L		96	85 - 115

Method: 9251 - Chloride (Colormetric, Automated Ferricyanide)

Lab Sample ID: MB 310-473351/27

Matrix: Water

Analysis Batch: 473351

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.00		2.00		mg/L			11/13/25 01:58	1

Lab Sample ID: LCS 310-473351/28

Matrix: Water

Analysis Batch: 473351

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	11.00		mg/L		110	90 - 110

Eurofins Cedar Falls

QC Sample Results

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Method: 9251 - Chloride (Colormetric, Automated Ferricyanide) (Continued)

Lab Sample ID: MB 310-473595/16

Matrix: Water

Analysis Batch: 473595

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.00		2.00		mg/L			11/14/25 10:23	1

Lab Sample ID: LCS 310-473595/17

Matrix: Water

Analysis Batch: 473595

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	11.00		mg/L		110	90 - 110

QC Association Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

GC/MS VOA

Analysis Batch: 473264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-1	MW-17	Total/NA	Ground Water	8260D	
310-320092-2	MW-8	Total/NA	Ground Water	8260D	
310-320092-3	MW-12	Total/NA	Ground Water	8260D	
310-320092-4	MW-16	Total/NA	Ground Water	8260D	
310-320092-5	MW-10	Total/NA	Ground Water	8260D	
310-320092-6	MW-14	Total/NA	Ground Water	8260D	
310-320092-7	Duplicate	Total/NA	Ground Water	8260D	
310-320092-10	MW-7	Total/NA	Ground Water	8260D	
310-320092-11	Trip Blank	Total/NA	Water	8260D	
MB 310-473264/7	Method Blank	Total/NA	Water	8260D	
LCS 310-473264/10	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-473264/8	Lab Control Sample	Total/NA	Water	8260D	
310-320092-5 MS	MW-10	Total/NA	Ground Water	8260D	
310-320092-5 MSD	MW-10	Total/NA	Ground Water	8260D	

Metals

Prep Batch: 473216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-3	MW-12	Dissolved	Ground Water	3005A	
310-320092-6	MW-14	Dissolved	Ground Water	3005A	
MB 310-473216/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-473216/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-320092-6 DU	MW-14	Dissolved	Ground Water	3005A	

Analysis Batch: 474009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-3	MW-12	Dissolved	Ground Water	6010D	473216
310-320092-6	MW-14	Dissolved	Ground Water	6010D	473216
MB 310-473216/1-A	Method Blank	Total/NA	Water	6010D	473216
LCS 310-473216/2-A	Lab Control Sample	Total/NA	Water	6010D	473216
310-320092-6 DU	MW-14	Dissolved	Ground Water	6010D	473216

Analysis Batch: 474151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-1	MW-17	Dissolved	Ground Water	6010D	
310-320092-2	MW-8	Dissolved	Ground Water	6010D	
310-320092-4	MW-16	Dissolved	Ground Water	6010D	
310-320092-5	MW-10	Dissolved	Ground Water	6010D	
310-320092-7	Duplicate	Dissolved	Ground Water	6010D	
310-320092-8	MW-11	Dissolved	Ground Water	6010D	
310-320092-9	MW-13	Dissolved	Ground Water	6010D	
MB 310-474151/71	Method Blank	Total/NA	Water	6010D	
LCS 310-474151/74	Lab Control Sample	Total/NA	Water	6010D	

General Chemistry

Analysis Batch: 473203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-1	MW-17	Total/NA	Ground Water	350.1	
310-320092-2	MW-8	Total/NA	Ground Water	350.1	
310-320092-3	MW-12	Total/NA	Ground Water	350.1	

Eurofins Cedar Falls

QC Association Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

General Chemistry (Continued)

Analysis Batch: 473203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-4	MW-16	Total/NA	Ground Water	350.1	
310-320092-5	MW-10	Total/NA	Ground Water	350.1	
310-320092-6	MW-14	Total/NA	Ground Water	350.1	
310-320092-7	Duplicate	Total/NA	Ground Water	350.1	
310-320092-8	MW-11	Total/NA	Ground Water	350.1	
310-320092-9	MW-13	Total/NA	Ground Water	350.1	
MB 310-473203/33	Method Blank	Total/NA	Water	350.1	
MB 310-473203/75	Method Blank	Total/NA	Water	350.1	
LCS 310-473203/34	Lab Control Sample	Total/NA	Water	350.1	
LCS 310-473203/76	Lab Control Sample	Total/NA	Water	350.1	
310-320092-8 MS	MW-11	Total/NA	Ground Water	350.1	
310-320092-8 MSD	MW-11	Total/NA	Ground Water	350.1	

Analysis Batch: 473351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-6	MW-14	Total/NA	Ground Water	9251	
310-320092-7	Duplicate	Total/NA	Ground Water	9251	
MB 310-473351/27	Method Blank	Total/NA	Water	9251	
LCS 310-473351/28	Lab Control Sample	Total/NA	Water	9251	

Analysis Batch: 473595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-1	MW-17	Total/NA	Ground Water	9251	
310-320092-2	MW-8	Total/NA	Ground Water	9251	
310-320092-3	MW-12	Total/NA	Ground Water	9251	
310-320092-4	MW-16	Total/NA	Ground Water	9251	
310-320092-5	MW-10	Total/NA	Ground Water	9251	
310-320092-8	MW-11	Total/NA	Ground Water	9251	
310-320092-9	MW-13	Total/NA	Ground Water	9251	
MB 310-473595/16	Method Blank	Total/NA	Water	9251	
LCS 310-473595/17	Lab Control Sample	Total/NA	Water	9251	

Analysis Batch: 473758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-320092-1	MW-17	Total/NA	Ground Water	5220D LL	
310-320092-2	MW-8	Total/NA	Ground Water	5220D LL	
310-320092-3	MW-12	Total/NA	Ground Water	5220D LL	
310-320092-4	MW-16	Total/NA	Ground Water	5220D LL	
310-320092-5	MW-10	Total/NA	Ground Water	5220D LL	
310-320092-6	MW-14	Total/NA	Ground Water	5220D LL	
310-320092-7	Duplicate	Total/NA	Ground Water	5220D LL	
310-320092-8	MW-11	Total/NA	Ground Water	5220D LL	
310-320092-9	MW-13	Total/NA	Ground Water	5220D LL	
MB 310-473758/60	Method Blank	Total/NA	Water	5220D LL	
LCS 310-473758/63	Lab Control Sample	Total/NA	Water	5220D LL	

Lab Chronicle

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-17

Lab Sample ID: 310-320092-1

Date Collected: 11/05/25 03:44

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 15:20
Dissolved	Analysis	6010D		1	474151	ZRI4	EET CF	11/19/25 13:47
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:01
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		1	473595	ENB7	EET CF	11/14/25 10:28

Client Sample ID: MW-8

Lab Sample ID: 310-320092-2

Date Collected: 11/05/25 04:08

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 15:42
Dissolved	Analysis	6010D		1	474151	ZRI4	EET CF	11/19/25 13:48
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:02
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		1	473595	ENB7	EET CF	11/14/25 10:29

Client Sample ID: MW-12

Lab Sample ID: 310-320092-3

Date Collected: 11/05/25 05:11

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 16:05
Dissolved	Prep	3005A			473216	F8JX	EET CF	11/12/25 07:19
Dissolved	Analysis	6010D		1	474009	ZRI4	EET CF	11/18/25 13:22
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:03
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		1	473595	ENB7	EET CF	11/14/25 10:29

Client Sample ID: MW-16

Lab Sample ID: 310-320092-4

Date Collected: 11/05/25 03:23

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 16:27
Dissolved	Analysis	6010D		1	474151	ZRI4	EET CF	11/19/25 13:50
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:05
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		1	473595	ENB7	EET CF	11/14/25 10:29

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Lab Chronicle

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-10

Lab Sample ID: 310-320092-5

Date Collected: 11/05/25 04:41

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 16:50
Dissolved	Analysis	6010D		1	474151	ZRI4	EET CF	11/19/25 13:51
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:06
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		10	473595	ENB7	EET CF	11/14/25 10:30

Client Sample ID: MW-14

Lab Sample ID: 310-320092-6

Date Collected: 11/05/25 05:00

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 17:12
Dissolved	Prep	3005A			473216	F8JX	EET CF	11/12/25 07:19
Dissolved	Analysis	6010D		1	474009	ZRI4	EET CF	11/18/25 13:23
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:07
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		1	473351	ZJX4	EET CF	11/13/25 02:09

Client Sample ID: Duplicate

Lab Sample ID: 310-320092-7

Date Collected: 11/05/25 03:23

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 17:35
Dissolved	Analysis	6010D		1	474151	ZRI4	EET CF	11/19/25 13:52
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:08
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		1	473351	ZJX4	EET CF	11/13/25 02:10

Client Sample ID: MW-11

Lab Sample ID: 310-320092-8

Date Collected: 11/05/25 04:51

Matrix: Ground Water

Date Received: 11/07/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6010D		1	474151	ZRI4	EET CF	11/19/25 13:56
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:10
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		10	473595	ENB7	EET CF	11/14/25 10:30

Lab Chronicle

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Client Sample ID: MW-13

Date Collected: 11/05/25 04:31

Date Received: 11/07/25 10:00

Lab Sample ID: 310-320092-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	6010D		1	474151	ZRI4	EET CF	11/19/25 13:57
Total/NA	Analysis	350.1		1	473203	ZJX4	EET CF	11/11/25 20:12
Total/NA	Analysis	5220D LL		1	473758	ENB7	EET CF	11/17/25 10:53
Total/NA	Analysis	9251		1	473595	ENB7	EET CF	11/14/25 10:31

Client Sample ID: MW-7

Date Collected: 11/05/25 03:59

Date Received: 11/07/25 10:00

Lab Sample ID: 310-320092-10

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 17:58

Client Sample ID: Trip Blank

Date Collected: 11/05/25 00:00

Date Received: 11/07/25 10:00

Lab Sample ID: 310-320092-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473264	WSE8	EET CF	11/12/25 12:42

Laboratory References:
EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

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
350.1		Ground Water	Ammonia

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Method Summary

Client: Plymouth Co. Solid Waste
Project/Site: Plymouth County Landfill

Job ID: 310-320092-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
6010D	Metals (ICP)	SW846	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
5220D LL	COD	SM	EET CF
9251	Chloride (Colormetric, Automated Ferricyanide)	SW846	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



Environment Testing
America



310-320092 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Plymouth Co. Solid Waste</u>			
City/State:	<u>LE Mars</u>	STATE: <u>IA</u>	Project:
Receipt Information			
Date/Time Received:	DATE: <u>11-7-25</u>	TIME: <u>10 00</u>	Received By: <u>BP</u>
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 # _____ of _____			
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? <u>411</u>			
Temperature Record			
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE			
Thermometer ID: <u>BB</u>		Correction Factor (°C): <u>±0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>3.9</u>		Corrected Temp (°C): <u>3.9</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
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			
<u>MW-7 vial received broken</u>			
<u>Analysis not marked on CUC</u>			

Login Sample Receipt Checklist

Client: Plymouth Co. Solid Waste

Job Number: 310-320092-1

Login Number: 320092

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hirsch, Preston

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

Statistical Report

Results of the Ground Water Statistics for Plymouth County Sanitary Landfill

Semi-Annual Monitoring Events in 2025

Prepared for:
Plymouth County Solid Waste Agency
LeMars, IA

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, L.L.C.
Elgin, IL
(847) 464-1355

December 2025

INTRODUCTION

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the semi-annual monitoring events in 2025 at the Plymouth County Sanitary Landfill. The ground water at the Plymouth County Sanitary Landfill is monitored by a network of wells including MW-10, MW-11, MW-12, MW-13, MW-14, MW-16, MW-17, MW-7, MW-8, and MW-9. Monitoring wells MW-10, MW-11, MW-12, MW-13, MW-14, MW-16, MW-17, MW-7, and MW-8 were sampled on April 16, 2025 and November 5, 2025 and analyzed for the parameters required by permit. Monitoring well MW-9 was dry each event. The statistical plan is designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. The interwell methodology is described and then applied to the Plymouth County Sanitary Landfill data. The statistical plan conforms with IAC 567, Chapter 113.10, USEPA Guidance document (*“Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance”*, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

Each of the groundwater monitoring wells is to be sampled semi-annually and analyzed for select VOCs, iron, ammonia, COD, chloride, pH, and specific conductivity. TOX and phenols are monitored for annually. The ground water data obtained during the semi-annual monitoring events in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

IAC 567, Chapter 113.10(4) provides several options for statistically evaluating the ground water data. The preferred methods for comparing ground water data are using either prediction limits or using control charts. The site prediction limit method was applied to the Plymouth County Sanitary Landfill data using the DUMPStat® statistical program. DUMPStat® is a program for the statistical analysis of groundwater monitoring data using methods described in “Statistical Methods for Groundwater Monitoring” by Dr. Robert D. Gibbons. The DUMPStat program is completely consistent with all USEPA regulations and guidance and the ASTM D6312-98 guidance.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%,

nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics: First Semi-Annual Monitoring event in 2025

The background data used in this statistical analysis includes the ground water data collected from ground water well MW-17 during the period from 1997 through April 2025. A summary of the background data from monitoring well MW-17 is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the April 2025 from wells MW-10, MW-11, MW-12, MW-13, MW-14, MW-16, MW-7, and MW-8, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the April 2025 data, the site prediction limit exceedances detected are summarized in the table below.

Prediction Limit Exceedances during the First Semi-Annual Monitoring Event in 2025

Well	Parameter	Result	Prediction Limit	Prediction Limit Type	Verified/ Awaiting verification
MW-10	COD, mg/L	51.0	21.2000	Nonparametric	Verified
	Chloride, mg/L	110	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1349	1191.9785	Normal	Verified
MW-11	COD, mg/L	23.3	21.2000	Nonparametric	Verified
	Chloride, mg/L	110	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1372	1191.9785	Normal	Verified
MW-12	Chloride, mg/L	43.7	7.3000	Nonparametric	Verified
	Iron, µg/L	14200	100.0000	Nonparametric	Verified
	Spec cond, µmhos/cm	1355	1191.9785	Normal	Verified
MW-13	COD, mg/L	38.8	21.2000	Nonparametric	Verified
	Chloride, mg/L	88.1	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1402	1191.9785	Normal	Verified
	TOX, µg/L	103	11.4000	Nonparametric	Awaiting verification
MW-14	Chloride, mg/L	128	7.3000	Nonparametric	Verified
	Iron, µg/L	1520	100.0000	Nonparametric	Awaiting verification
	Spec cond, µmhos/cm	1653	1191.9785	Normal	Verified
	TOX, µg/L	90.5	11.4000	Nonparametric	Verified
MW-16	Chloride, mg/L	9.75	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1645	1191.9785	Normal	Verified
MW-8	Chloride, mg/L	24.8	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1257	1191.9785	Normal	Verified

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Specific conductance and pH were detected at a frequency greater than or equal to 50% in the upgradient well so these parameters were tested for normality. The remainder of the parameters are rarely detected (less than 50%) in the upgradient well so nonparametric prediction limits were used in those cases. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined. Table 8 is a historical summary of the data at those wells that have indicated an exceedance. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 4 standard deviation unit increases over background.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) are generally man-made compounds not present in ambient ground water. If VOCs are detected above their statistical limit (i.e., the laboratory PQL or reporting limit), a verification resample will be conducted at the next scheduled sampling event. A statistical exceedance will be indicated if the VOC detection is confirmed by the subsequent monitoring. The VOCs detected in the ground water during the first semi-annual monitoring event in 2025 are summarized in the table below.

VOCs detected during the First Semi-Annual Monitoring Event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Ground Water Standard
MW-10	<i>cis</i> -1,2-Dichloroethene	2.14	1	Awaiting verification	70 ^a
MW-12	Benzene	1.25	0.5	Verified	5 ^a
	<i>cis</i> -1,2-Dichloroethene	33.4	1	Verified	70 ^a
	Vinyl chloride	4.04	1	Verified	2 ^a
MW-14	<i>cis</i> -1,2-Dichloroethene	45.0	1	Verified	70 ^a
MW-7	1,2-Dichloroethane	1.24	1	Verified	5 ^a
	1,2-Dichloropropane	8.35	1	Verified	5 ^a
	Benzene	0.872	0.5	Verified	5 ^a
	<i>cis</i> -1,2-Dichloroethene	175	1	Verified	70 ^a
	Tetrachloroethene	1.24	1	Verified	5 ^a
	Trichloroethene	14.0	1	Verified	5 ^a
	Vinyl chloride	8.95	1	Verified	2 ^a
MW-8	<i>cis</i> -1,2-Dichloroethene	26.4	1	Verified	70 ^a

a - USEPA MCL, b – Iowa Statewide Standard

Historical VOC detections are summarized in Attachment C. The VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits (Attachment D). The analysis was conducted to evaluate whether verified concentrations are significantly above the water quality standard. The 95% lower confidence limit (LCL) for the mean of the historical data was used to evaluate whether the regulated unit is in compliance with the ground-water protection standards under 40 CFR 264 (e.g. whether the verified constituent is detected at a significant level above the GWPS). An exceedance is verified if the LCL is above the Regulatory GWPS.

The 95% LCL for vinyl chloride at MW-12 (3.385 µg/L) exceeds the USEPA MCL of 2 µg/L.
The 95% LCL for 1,2-dichloropropane at MW-7 (5.799 µg/L) exceeds the USEPA MCL of 5 µg/L.
The 95% LCL for *cis*-1,2-dichloroethene at MW-7 (137.003 µg/L) exceeds the USEPA MCL of 70 µg/L.
The 95% LCL for tetrachloroethene at MW-7 (7.434 µg/L) exceeds the USEPA MCL of 5 µg/L.
The 95% LCL for vinyl chloride at MW-7 (4.185 µg/L) exceeds the USEPA MCL of 2 µg/L.

The remainder of the calculated LCLs do not exceed GWPS.

Results of the Interwell Statistics: Second Semi-Annual Monitoring event in 2025

The background data used in this statistical analysis includes the ground water data collected from ground water well MW-17 during the period from 1997 through November 2025. A summary of the background data from monitoring well MW-17 is listed in Attachment E, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances.

Table 2 “Most Current Downgradient Monitoring Data”, summarizes the November 2025 data from wells MW-10, MW-11, MW-12, MW-13, MW-14, MW-16, and MW-8, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the November 2025 data, the site prediction limit exceedances detected are summarized in the table below.

Prediction Limit Exceedances during the Second Semi-Annual Monitoring Event in 2025

Well	Parameter	Result	Prediction Limit	Prediction Limit Type	Verified/ Awaiting verification
MW-10	COD, mg/L	32.5	14.3000	Nonparametric	Verified
	Chloride, mg/L	170	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1351	1193.5613	Normal	Verified
MW-11	Chloride, mg/L	121	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1369	1193.5613	Normal	Verified
MW-12	Ammonia, mg/L	0.369	0.2000	Nonparametric	Awaiting verification
	Chloride, mg/L	34.7	7.3000	Nonparametric	Verified
	Iron, µg/L	17200	100.0000	Nonparametric	Verified
	Spec cond, µmhos/cm	1335	1193.5613	Normal	Verified
MW-13	COD, mg/L	29.5	14.3000	Nonparametric	Verified
	Chloride, mg/L	57.6	7.3000	Nonparametric	Verified
MW-14	COD, mg/L	16.4	14.3000	Nonparametric	Verified
	Chloride, mg/L	97.9	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1564	1193.5613	Normal	Verified
MW-16	Chloride, mg/L	9.31	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1520	1193.5613	Normal	Verified
MW-8	Chloride, mg/L	26.6	7.3000	Nonparametric	Verified
	Spec cond, µmhos/cm	1364	1193.5613	Normal	Verified

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Specific conductance and pH were detected at a frequency greater than or equal to 50% in the upgradient well so these parameters were tested for normality. The remainder of the parameters are rarely detected (less than 50%) in the upgradient well so nonparametric prediction limits were be used in those cases. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined. Table 8 is a historical summary of the data at those wells that have indicated an exceedance. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is 1% and the test becomes sensitive to 4 standard deviation unit increases over background.

Volatile Organic Compounds

The VOCs detected in the ground water during the second semi-annual monitoring event in 2025 are summarized in the table below.

VOCs detected during the Second Semi-Annual Monitoring Event in 2025

Well	VOC Detected	Result, µg/L	Reporting Limit, µg/L	Verified/ Awaiting Verification	Ground Water Standard
MW-12	Benzene	1.41	0.5	Verified	5 ^a
	<i>cis</i> -1,2-Dichloroethene	29.3	1	Verified	70 ^a
	Vinyl chloride	5.38	1	Verified	2 ^a
MW-14	Benzene	0.562	0.5	Verified	5 ^a
	<i>cis</i> -1,2-Dichloroethene	50.0	1	Verified	70 ^a
MW-7	1,2-Dichloroethane	1.07	1	Verified	5 ^a
	1,2-Dichloropropane	7.36	1	Verified	5 ^a
	Benzene	0.783	0.5	Verified	5 ^a
	<i>cis</i> -1,2-Dichloroethene	171	1	Verified	70 ^a
	Trichloroethene	10.0	1	Verified	5 ^a
	Vinyl chloride	5.79	1	Verified	2 ^a
MW-8	<i>cis</i> -1,2-Dichloroethene	38.9	1	Verified	70 ^a

a - USEPA MCL, b – Iowa Statewide Standard

The VOC detections were evaluated against the ground water protection standards (GWPS) using confidence limits (Attachment F).

The 95% LCL for vinyl chloride at MW-12 (3.934 µg/L) exceeds the USEPA MCL of 2 µg/L.
The 95% LCL for 1,2-dichloropropane at MW-7 (5.071 µg/L) exceeds the USEPA MCL of 5 µg/L.
The 95% LCL for *cis*-1,2-dichloroethene at MW-7 (132.385 µg/L) exceeds the USEPA MCL of 70 µg/L.
The 95% LCL for trichloroethene at MW-7 (7.731 µg/L) exceeds the USEPA MCL of 5 µg/L.
The 95% LCL for vinyl chloride at MW-7 (5.163 µg/L) exceeds the USEPA MCL of 2 µg/L.

The remainder of the calculated LCLs do not exceed GWPS.

Attachment A

Ground Water Data obtained during the First and Second Semi-Annual Monitoring Events in 2025

Table 1

Analytical Data Summary for 4/16/2025

Constituents	Units	MW-10	MW-11	MW-12	MW-13	MW-14	MW-16	MW-17	MW-7	MW-8
1,1,1-Trichloroethane	ug/L	<1		<1		<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<1.00		<1.00		<1.00	<1.00	<1.00	1.24	<1.00
1,2-Dichloropropane	ug/L	<1.00		<1.00		<1.00	<1.00	<1.00	8.35	<1.00
Ammonia as N	mg/L	<.2	<.2	<.2	<.2	<.2	<.2	<.2		<.2
Benzene	ug/L	<.500		1.250		<.500	<.500	<.500	.872	<.500
Chemical Oxygen Demand	mg/L	51.00	23.30	20.90	38.80	20.20	7.14	5.82		9.12
Chloride	mg/L	110.00	110.00	43.70	88.10	128.00	9.75	2.64		24.80
Chlorodibromomethane	ug/L	<5		<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	ug/L	2.14		33.40		45.00	<1.00	<1.00	175.00	26.40
Iron, Dissolved	ug/L	<500	<500	14200	<500	1520	<500	<500		<500
Methylene Chloride	ug/L	<5		<5		<5	<5	<5	<5	<5
pH	S.U.	6.70	7.44	6.73	6.88	6.53	6.55	6.98	6.23	6.50
Phenols	mg/L	<.02	<.02	<.02	<.02	<.02	<.02	<.02		<.02
Specific Conductance	umhos/cm	1349	1372	1355	1402	1653	1645	895	1564	1257
Tetrachloroethene	ug/L	<1.00		<1.00		<1.00	<1.00	<1.00	1.24	<1.00
Total Organic Halogens	ug/L	<60.0	<60.0	<60.0	103.0	90.5	<60.0	<60.0		<60.0
Trichloroethene	ug/L	<1		<1		<1	<1	<1	14	<1
Vinyl Chloride	ug/L	<1.00		4.04		<1.00	<1.00	<1.00	8.95	<1.00

* - The displayed value is the arithmetic mean of multiple database matches.

Table 2

Analytical Data Summary for 11/5/2025

Constituents	Units	MW-10	MW-11	MW-12	MW-13	MW-14	MW-16	MW-17	MW-7	MW-8
1,1,1-Trichloroethane	ug/L	<1		<1		<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<1.00		<1.00		<1.00	<1.00	<1.00	1.07	<1.00
1,2-Dichloropropane	ug/L	<1.00		<1.00		<1.00	<1.00	<1.00	7.36	<1.00
Ammonia as N	mg/L	<.200	<.200	.369	<.200	<.200	<.200	<.200		<.200
Benzene	ug/L	<.500		1.410		.562	<.500	<.500	.783	<.500
Chemical Oxygen Demand	mg/L	32.50	9.77	7.67	29.50	16.40	5.23	8.72		6.98
Chloride	mg/L	170.00	121.00	34.70	57.60	97.90	9.31	2.96		26.60
Chlorodibromomethane	ug/L	<5		<5		<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	ug/L	<1.0		29.3		50.0	<1.0	<1.0	171.0	38.9
Iron, Dissolved	ug/L	<500	<500	17200	<500	<500	<500	<500		<500
Methylene Chloride	ug/L	<5		<5		<5	<5	<5	<5	<5
pH	S.U.	6.80	7.26	6.66	7.37	6.81	7.48	7.96	6.44	6.96
Specific Conductance	umhos/cm	1351	1369	1335	1112	1564	1520	876	1526	1364
Tetrachloroethene	ug/L	<1		<1		<1	<1	<1	<1	<1
Trichloroethene	ug/L	<1		<1		<1	<1	<1	10	<1
Vinyl Chloride	ug/L	<1.00		5.38		<1.00	<1.00	<1.00	5.79	<1.00

* - The displayed value is the arithmetic mean of multiple database matches.

Attachment B

Summary Tables and Graphs for the Interwell Comparisons
First Semi-Annual Monitoring Event in 2025

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Ammonia as N	mg/L	MW-17	11/10/1997	ND	0.2000		
Ammonia as N	mg/L	MW-17	01/08/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/22/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	07/01/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/19/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/30/1999	ND	0.2000		
Ammonia as N	mg/L	MW-17	09/01/1999	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/12/2000	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/17/2000	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/25/2001	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/23/2001	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/28/2002	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/06/2002	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/03/2003	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/07/2003	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/30/2004	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/12/2004	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2005	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/11/2005	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2006	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2006	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/23/2007	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/09/2007	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/07/2008	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/14/2008	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/07/2009	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2009	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/01/2010	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/01/2010	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/07/2011	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/27/2011	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/23/2012	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/23/2012	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/16/2013	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/28/2013	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/24/2014	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/06/2014	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/21/2015	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2015	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2016	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2016	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/04/2017	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/10/2017	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/11/2018	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/30/2018	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/01/2019	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/08/2019	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/20/2020	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/20/2020	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2021	ND	0.2000		
Ammonia as N	mg/L	MW-17	08/16/2021	ND	0.2000		
Ammonia as N	mg/L	MW-17	06/01/2022	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/03/2022	ND	0.2000		
Ammonia as N	mg/L	MW-17	05/03/2023	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/11/2023	ND	0.2000		
Ammonia as N	mg/L	MW-17	05/08/2024	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/29/2024	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/16/2025	ND	0.2000		
Chemical Oxygen Demand	mg/L	MW-17	11/10/1997	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	01/08/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/22/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	07/01/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/19/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/30/1999	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	09/01/1999	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/12/2000	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/17/2000	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/25/2001	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/23/2001	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/28/2002	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/06/2002		11.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/03/2003		7.5000		
Chemical Oxygen Demand	mg/L	MW-17	10/07/2003	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/30/2004	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chemical Oxygen Demand	mg/L	MW-17	10/12/2004	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2005	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/11/2005	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2006	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2006		8.4000		
Chemical Oxygen Demand	mg/L	MW-17	04/23/2007		10.6000		
Chemical Oxygen Demand	mg/L	MW-17	10/09/2007	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/07/2008	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/14/2008	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/07/2009	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2009	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/01/2010	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/01/2010	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/07/2011	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/27/2011		14.3000		
Chemical Oxygen Demand	mg/L	MW-17	04/23/2012	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/23/2012	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/16/2013	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/28/2013	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/24/2014	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/06/2014	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/21/2015	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2015	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2016	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2016	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/04/2017	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/10/2017	ND	25.0000	5.0000	**
Chemical Oxygen Demand	mg/L	MW-17	04/11/2018	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/30/2018	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/01/2019		5.3600		
Chemical Oxygen Demand	mg/L	MW-17	10/08/2019	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/20/2020	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/20/2020		5.3000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2021		7.4000		
Chemical Oxygen Demand	mg/L	MW-17	08/16/2021		5.7300		
Chemical Oxygen Demand	mg/L	MW-17	06/01/2022		21.2000		
Chemical Oxygen Demand	mg/L	MW-17	10/03/2022	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	05/03/2023		10.8000		
Chemical Oxygen Demand	mg/L	MW-17	10/11/2023		7.4500		
Chemical Oxygen Demand	mg/L	MW-17	05/08/2024	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/29/2024		11.9000		
Chemical Oxygen Demand	mg/L	MW-17	04/16/2025		5.8200		
Chloride	mg/L	MW-17	11/10/1997	ND	5.0000		
Chloride	mg/L	MW-17	01/08/1998	ND	5.0000		
Chloride	mg/L	MW-17	04/22/1998	ND	5.0000		
Chloride	mg/L	MW-17	07/01/1998		7.3000		
Chloride	mg/L	MW-17	10/19/1998	ND	5.0000		
Chloride	mg/L	MW-17	04/30/1999	ND	5.0000		
Chloride	mg/L	MW-17	09/01/1999	ND	5.0000		
Chloride	mg/L	MW-17	04/12/2000	ND	5.0000		
Chloride	mg/L	MW-17	10/17/2000	ND	5.0000		
Chloride	mg/L	MW-17	04/25/2001	ND	5.0000		
Chloride	mg/L	MW-17	10/23/2001	ND	5.0000		
Chloride	mg/L	MW-17	04/28/2002	ND	5.0000		
Chloride	mg/L	MW-17	10/06/2002	ND	5.0000		
Chloride	mg/L	MW-17	04/03/2003	ND	5.0000		
Chloride	mg/L	MW-17	10/07/2003	ND	5.0000		
Chloride	mg/L	MW-17	04/30/2004	ND	5.0000		
Chloride	mg/L	MW-17	10/12/2004	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2005	ND	5.0000		
Chloride	mg/L	MW-17	10/11/2005	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2006	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2006	ND	5.0000		
Chloride	mg/L	MW-17	04/23/2007	ND	5.0000		
Chloride	mg/L	MW-17	10/09/2007	ND	5.0000		
Chloride	mg/L	MW-17	04/07/2008	ND	5.0000		
Chloride	mg/L	MW-17	10/14/2008	ND	5.0000		
Chloride	mg/L	MW-17	04/07/2009	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2009	ND	5.0000		
Chloride	mg/L	MW-17	04/01/2010	ND	5.0000		
Chloride	mg/L	MW-17	10/01/2010	ND	5.0000		
Chloride	mg/L	MW-17	04/07/2011	ND	5.0000		
Chloride	mg/L	MW-17	10/27/2011	ND	5.0000		
Chloride	mg/L	MW-17	04/23/2012	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	MW-17	10/23/2012	ND	5.0000	5.0000	**
Chloride	mg/L	MW-17	04/16/2013	ND	2.0000		
Chloride	mg/L	MW-17	10/28/2013	ND	5.0000		
Chloride	mg/L	MW-17	04/24/2014		1.6500		
Chloride	mg/L	MW-17	10/06/2014		1.6600		
Chloride	mg/L	MW-17	04/21/2015	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2015	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2016	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2016	ND	5.0000		
Chloride	mg/L	MW-17	04/04/2017	ND	5.0000		
Chloride	mg/L	MW-17	10/10/2017	ND	5.0000		
Chloride	mg/L	MW-17	04/11/2018	ND	5.0000		
Chloride	mg/L	MW-17	10/30/2018		6.4700		
Chloride	mg/L	MW-17	04/01/2019	ND	5.0000		
Chloride	mg/L	MW-17	10/08/2019	ND	5.0000		
Chloride	mg/L	MW-17	04/20/2020	ND	5.0000		
Chloride	mg/L	MW-17	10/20/2020	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2021	ND	5.0000		
Chloride	mg/L	MW-17	08/16/2021	ND	5.0000		
Chloride	mg/L	MW-17	06/01/2022	ND	5.0000		
Chloride	mg/L	MW-17	10/03/2022	ND	5.0000		
Chloride	mg/L	MW-17	05/03/2023	ND	5.0000		
Chloride	mg/L	MW-17	10/11/2023	ND	5.0000		
Chloride	mg/L	MW-17	05/08/2024	ND	5.0000		
Chloride	mg/L	MW-17	10/29/2024	ND	5.0000		
Chloride	mg/L	MW-17	04/16/2025		2.6400		
Iron, Dissolved	ug/L	MW-17	11/10/1997	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	01/08/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/22/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	07/01/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/19/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/30/1999	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	09/01/1999	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/12/2000	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/17/2000	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/25/2001	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/23/2001	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/28/2002	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/06/2002	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/03/2003	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/07/2003	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/30/2004	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/12/2004	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/26/2005	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/11/2005	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/26/2006	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2006	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/23/2007	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/09/2007	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/07/2008	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/14/2008	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/07/2009	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2009	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/01/2010	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/01/2010	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/07/2011	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/27/2011	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/23/2012	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/23/2012	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/16/2013	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/28/2013	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/24/2014	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/06/2014	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/21/2015	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2015	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/26/2016	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2016	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/04/2017	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/10/2017	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/11/2018	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/30/2018	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/01/2019	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/08/2019	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/20/2020	ND	500.0000	100.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Iron, Dissolved	ug/L	MW-17	10/20/2020	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/26/2021	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	08/16/2021	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	06/01/2022	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/03/2022	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	05/03/2023	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/11/2023	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	05/08/2024	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/29/2024	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/16/2025	ND	500.0000	100.0000	**
pH	S.U.	MW-17	04/22/1998		7.0000		
pH	S.U.	MW-17	07/01/1998		7.0000		
pH	S.U.	MW-17	10/19/1998		6.8000		
pH	S.U.	MW-17	04/30/1999		6.8000		
pH	S.U.	MW-17	09/01/1999		6.8000		
pH	S.U.	MW-17	04/12/2000		7.0000		
pH	S.U.	MW-17	10/17/2000		5.1000		
pH	S.U.	MW-17	04/25/2001		7.5000		
pH	S.U.	MW-17	10/23/2001		7.5000		
pH	S.U.	MW-17	04/28/2002		6.9000		
pH	S.U.	MW-17	10/06/2002		7.4000		
pH	S.U.	MW-17	04/03/2003		7.3000		
pH	S.U.	MW-17	10/07/2003		7.6000		
pH	S.U.	MW-17	04/30/2004		6.9000		
pH	S.U.	MW-17	10/12/2004		7.2000		
pH	S.U.	MW-17	04/26/2005		7.2000		
pH	S.U.	MW-17	10/11/2005		7.4000		
pH	S.U.	MW-17	04/26/2006		7.2000		
pH	S.U.	MW-17	10/05/2006		7.4000		
pH	S.U.	MW-17	04/23/2007		7.2000		
pH	S.U.	MW-17	10/09/2007		7.2000		
pH	S.U.	MW-17	04/07/2008		7.1000		
pH	S.U.	MW-17	10/14/2008		7.3000		
pH	S.U.	MW-17	04/07/2009		6.9000		
pH	S.U.	MW-17	10/05/2009		7.2000		
pH	S.U.	MW-17	04/01/2010		7.3000		
pH	S.U.	MW-17	10/01/2010		7.1000		
pH	S.U.	MW-17	04/07/2011		7.2000		
pH	S.U.	MW-17	10/27/2011		7.1000		
pH	S.U.	MW-17	04/23/2012		7.1000		
pH	S.U.	MW-17	10/23/2012		7.1000		
pH	S.U.	MW-17	04/16/2013		7.3000		
pH	S.U.	MW-17	10/28/2013		7.4000		
pH	S.U.	MW-17	04/24/2014		7.2300		
pH	S.U.	MW-17	10/06/2014		7.2800		
pH	S.U.	MW-17	04/21/2015		6.9000		
pH	S.U.	MW-17	10/05/2015		7.2100		
pH	S.U.	MW-17	04/26/2016		7.0800		
pH	S.U.	MW-17	10/05/2016		7.0000		
pH	S.U.	MW-17	04/04/2017		7.2900		
pH	S.U.	MW-17	10/10/2017		7.1400		
pH	S.U.	MW-17	04/11/2018		7.0700		
pH	S.U.	MW-17	10/30/2018		6.7300		
pH	S.U.	MW-17	04/01/2019		7.0500		
pH	S.U.	MW-17	10/08/2019		7.0600		
pH	S.U.	MW-17	04/20/2020		7.3300		
pH	S.U.	MW-17	10/20/2020		7.5900		
pH	S.U.	MW-17	04/26/2021		7.6900		
pH	S.U.	MW-17	08/16/2021		7.3900		
pH	S.U.	MW-17	06/01/2022		7.0500		
pH	S.U.	MW-17	10/03/2022		7.5100		
pH	S.U.	MW-17	05/03/2023		6.4700		
pH	S.U.	MW-17	10/11/2023		7.4500		
pH	S.U.	MW-17	05/08/2024		7.8900		
pH	S.U.	MW-17	10/29/2024		7.1400		
pH	S.U.	MW-17	04/16/2025		6.9800		
Phenols	mg/L	MW-17	10/19/1998	ND	0.0200		
Phenols	mg/L	MW-17	09/01/1999	ND	0.0200		
Phenols	mg/L	MW-17	10/17/2000	ND	0.0200		
Phenols	mg/L	MW-17	10/23/2001	ND	0.0200		
Phenols	mg/L	MW-17	04/28/2002	ND	0.0200		
Phenols	mg/L	MW-17	10/06/2002	ND	0.0200		
Phenols	mg/L	MW-17	04/03/2003	ND	0.0200		
Phenols	mg/L	MW-17	04/30/2004	ND	0.0200		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Phenols	mg/L	MW-17	04/26/2005	ND	0.0200		
Phenols	mg/L	MW-17	04/23/2007	ND	0.0200		
Phenols	mg/L	MW-17	04/07/2009	ND	0.0180	0.0200	**
Phenols	mg/L	MW-17	04/01/2010	ND	0.0180	0.0200	**
Phenols	mg/L	MW-17	04/07/2011	ND	0.0180	0.0200	**
Phenols	mg/L	MW-17	04/23/2012	ND	0.0200		
Phenols	mg/L	MW-17	04/16/2013	ND	0.0196	0.0200	**
Phenols	mg/L	MW-17	04/24/2014	ND	0.0188	0.0200	**
Phenols	mg/L	MW-17	04/21/2015	ND	0.0184	0.0200	**
Phenols	mg/L	MW-17	04/26/2016	ND	0.0212	0.0200	**
Phenols	mg/L	MW-17	04/04/2017	ND	0.0180	0.0200	**
Phenols	mg/L	MW-17	04/11/2018	ND	0.0192	0.0200	**
Phenols	mg/L	MW-17	04/01/2019	ND	0.0200		
Phenols	mg/L	MW-17	04/20/2020	ND	0.0200		
Phenols	mg/L	MW-17	04/26/2021	ND	0.0184	0.0200	**
Phenols	mg/L	MW-17	06/01/2022	ND	0.0200		
Phenols	mg/L	MW-17	05/03/2023	ND	0.0200		
Phenols	mg/L	MW-17	05/08/2024	ND	0.0200		
Phenols	mg/L	MW-17	04/16/2025	ND	0.0200		
Specific Conductance	umhos/cm	MW-17	04/22/1998		408.0000		
Specific Conductance	umhos/cm	MW-17	07/01/1998		450.0000		
Specific Conductance	umhos/cm	MW-17	10/19/1998		444.0000		
Specific Conductance	umhos/cm	MW-17	04/30/1999		449.0000		
Specific Conductance	umhos/cm	MW-17	09/01/1999		449.0000		
Specific Conductance	umhos/cm	MW-17	04/12/2000		465.0000		
Specific Conductance	umhos/cm	MW-17	10/17/2000		440.0000		
Specific Conductance	umhos/cm	MW-17	04/25/2001		511.0000		
Specific Conductance	umhos/cm	MW-17	10/23/2001		473.0000		
Specific Conductance	umhos/cm	MW-17	04/28/2002		427.0000		
Specific Conductance	umhos/cm	MW-17	10/06/2002		417.0000		
Specific Conductance	umhos/cm	MW-17	04/03/2003		299.0000		
Specific Conductance	umhos/cm	MW-17	10/07/2003		572.0000		
Specific Conductance	umhos/cm	MW-17	04/30/2004		525.0000		
Specific Conductance	umhos/cm	MW-17	10/12/2004		861.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2005		131.0000		*
Specific Conductance	umhos/cm	MW-17	10/11/2005		699.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2006		632.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2006		620.0000		
Specific Conductance	umhos/cm	MW-17	04/23/2007		638.0000		
Specific Conductance	umhos/cm	MW-17	10/09/2007		663.0000		
Specific Conductance	umhos/cm	MW-17	04/07/2008		729.0000		
Specific Conductance	umhos/cm	MW-17	10/14/2008		646.0000		
Specific Conductance	umhos/cm	MW-17	04/07/2009		613.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2009		625.0000		
Specific Conductance	umhos/cm	MW-17	04/01/2010		649.0000		
Specific Conductance	umhos/cm	MW-17	10/01/2010		636.0000		
Specific Conductance	umhos/cm	MW-17	04/07/2011		591.0000		
Specific Conductance	umhos/cm	MW-17	10/27/2011		611.0000		
Specific Conductance	umhos/cm	MW-17	04/23/2012		599.0000		
Specific Conductance	umhos/cm	MW-17	10/23/2012		774.0000		
Specific Conductance	umhos/cm	MW-17	04/16/2013		725.0000		
Specific Conductance	umhos/cm	MW-17	10/28/2013		745.0000		
Specific Conductance	umhos/cm	MW-17	04/24/2014		780.0000		
Specific Conductance	umhos/cm	MW-17	10/06/2014		769.0000		
Specific Conductance	umhos/cm	MW-17	04/21/2015		777.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2015		800.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2016		777.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2016		845.0000		
Specific Conductance	umhos/cm	MW-17	04/04/2017		752.0000		
Specific Conductance	umhos/cm	MW-17	10/10/2017		644.0000		
Specific Conductance	umhos/cm	MW-17	04/11/2018		733.0000		
Specific Conductance	umhos/cm	MW-17	10/30/2018		1115.0000		
Specific Conductance	umhos/cm	MW-17	04/01/2019		806.0000		
Specific Conductance	umhos/cm	MW-17	10/08/2019		856.0000		
Specific Conductance	umhos/cm	MW-17	04/20/2020		908.0000		
Specific Conductance	umhos/cm	MW-17	10/20/2020		860.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2021		1025.0000		
Specific Conductance	umhos/cm	MW-17	08/16/2021		1058.0000		
Specific Conductance	umhos/cm	MW-17	06/01/2022		1059.0000		
Specific Conductance	umhos/cm	MW-17	10/03/2022		852.0000		
Specific Conductance	umhos/cm	MW-17	05/03/2023		1326.0000		
Specific Conductance	umhos/cm	MW-17	10/11/2023		827.0000		
Specific Conductance	umhos/cm	MW-17	05/08/2024		864.0000		
Specific Conductance	umhos/cm	MW-17	10/29/2024		824.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Specific Conductance	umhos/cm	MW-17	04/16/2025		895.0000		
Total Organic Halogens	ug/L	MW-17	10/19/1998	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	09/01/1999	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	10/17/2000	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	10/23/2001	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/28/2002	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	10/06/2002	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/03/2003	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/30/2004	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/26/2005	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/23/2007	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/07/2009	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/01/2010	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/07/2011	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	04/23/2012		11.4000		
Total Organic Halogens	ug/L	MW-17	04/16/2013	ND	30.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/24/2014	ND	30.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/21/2015	ND	30.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/26/2016	ND	30.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/04/2017	ND	30.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/11/2018	ND	30.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/01/2019	ND	30.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/20/2020	ND	40.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/26/2021	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	06/01/2022	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	05/03/2023	ND	10.0000		
Total Organic Halogens	ug/L	MW-17	05/08/2024	ND	40.0000	10.0000	**
Total Organic Halogens	ug/L	MW-17	04/16/2025	ND	60.0000	10.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Ammonia as N	mg/L	MW-10	04/16/2025	ND	0.2000	**	0.2000
Chemical Oxygen Demand	mg/L	MW-10	04/16/2025		51.0000	***	21.2000
Chloride	mg/L	MW-10	04/16/2025		110.0000	***	7.3000
Iron, Dissolved	ug/L	MW-10	04/16/2025	ND	500.0000		100.0000
pH	S.U.	MW-10	04/16/2025		6.7000		5.10 - 7.89
Phenols	mg/L	MW-10	04/16/2025	ND	0.0200		0.0200
Specific Conductance	umhos/cm	MW-10	04/16/2025		1349.0000	***	1191.9785
Total Organic Halogens	ug/L	MW-10	04/16/2025	ND	60.0000	**	11.4000
Ammonia as N	mg/L	MW-11	04/16/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-11	04/16/2025		23.3000	***	21.2000
Chloride	mg/L	MW-11	04/16/2025		110.0000	***	7.3000
Iron, Dissolved	ug/L	MW-11	04/16/2025	ND	500.0000		100.0000
pH	S.U.	MW-11	04/16/2025		7.4400		5.10 - 7.89
Phenols	mg/L	MW-11	04/16/2025	ND	0.0200		0.0200
Specific Conductance	umhos/cm	MW-11	04/16/2025		1372.0000	***	1191.9785
Total Organic Halogens	ug/L	MW-11	04/16/2025	ND	60.0000	**	11.4000
Ammonia as N	mg/L	MW-12	04/16/2025	ND	0.2000	**	0.2000
Chemical Oxygen Demand	mg/L	MW-12	04/16/2025		20.9000		21.2000
Chloride	mg/L	MW-12	04/16/2025		43.7000	***	7.3000
Iron, Dissolved	ug/L	MW-12	04/16/2025		14200.0000	***	100.0000
pH	S.U.	MW-12	04/16/2025		6.7300		5.10 - 7.89
Phenols	mg/L	MW-12	04/16/2025	ND	0.0200		0.0200
Specific Conductance	umhos/cm	MW-12	04/16/2025		1355.0000	***	1191.9785
Total Organic Halogens	ug/L	MW-12	04/16/2025	ND	60.0000	**	11.4000
Ammonia as N	mg/L	MW-13	04/16/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-13	04/16/2025		38.8000	***	21.2000
Chloride	mg/L	MW-13	04/16/2025		88.1000	***	7.3000
Iron, Dissolved	ug/L	MW-13	04/16/2025	ND	500.0000		100.0000
pH	S.U.	MW-13	04/16/2025		6.8800		5.10 - 7.89
Phenols	mg/L	MW-13	04/16/2025	ND	0.0200		0.0200
Specific Conductance	umhos/cm	MW-13	04/16/2025		1402.0000	***	1191.9785
Total Organic Halogens	ug/L	MW-13	04/16/2025		103.0000	*	11.4000
Ammonia as N	mg/L	MW-14	04/16/2025	ND	0.2000	**	0.2000
Chemical Oxygen Demand	mg/L	MW-14	04/16/2025		20.2000	**	21.2000
Chloride	mg/L	MW-14	04/16/2025		128.0000	***	7.3000
Iron, Dissolved	ug/L	MW-14	04/16/2025		1520.0000	*	100.0000
pH	S.U.	MW-14	04/16/2025		6.5300		5.10 - 7.89
Phenols	mg/L	MW-14	04/16/2025	ND	0.0200		0.0200
Specific Conductance	umhos/cm	MW-14	04/16/2025		1653.0000	***	1191.9785
Total Organic Halogens	ug/L	MW-14	04/16/2025		90.5000	***	11.4000
Ammonia as N	mg/L	MW-16	04/16/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-16	04/16/2025		7.1400	**	21.2000
Chloride	mg/L	MW-16	04/16/2025		9.7500	***	7.3000
Iron, Dissolved	ug/L	MW-16	04/16/2025	ND	500.0000		100.0000
pH	S.U.	MW-16	04/16/2025		6.5500		5.10 - 7.89
Phenols	mg/L	MW-16	04/16/2025	ND	0.0200		0.0200
Specific Conductance	umhos/cm	MW-16	04/16/2025		1645.0000	***	1191.9785
Total Organic Halogens	ug/L	MW-16	04/16/2025	ND	60.0000		11.4000
Ammonia as N	mg/L	MW-8	04/16/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-8	04/16/2025		9.1200		21.2000
Chloride	mg/L	MW-8	04/16/2025		24.8000	***	7.3000
Iron, Dissolved	ug/L	MW-8	04/16/2025	ND	500.0000		100.0000
pH	S.U.	MW-8	04/16/2025		6.5000		5.10 - 7.89
Phenols	mg/L	MW-8	04/16/2025	ND	0.0200		0.0200
Specific Conductance	umhos/cm	MW-8	04/16/2025		1257.0000	***	1191.9785
Total Organic Halogens	ug/L	MW-8	04/16/2025	ND	60.0000	**	11.4000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 3**Detection Frequencies in Upgradient and Downgradient Wells**

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Ammonia as N	0	58	0.000	10	369	0.027
Chemical Oxygen Demand	14	58	0.241	216	369	0.585
Chloride	5	58	0.086	369	369	1.000
Iron, Dissolved	0	58	0.000	113	369	0.306
pH	56	56	1.000	368	368	1.000
Phenols	0	27	0.000	4	186	0.022
Specific Conductance	55	55	1.000	368	368	1.000
Total Organic Halogens	1	27	0.037	126	186	0.677

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Ammonia as N	0	58	0.000									nonpar
Chemical Oxygen Demand	14	58	0.241	2.087	0.402					2.326	normal	nonpar
Chloride	5	58	0.086	1.292	1.064					2.326	normal	nonpar
Iron, Dissolved	0	58	0.000									nonpar
pH	56	56	1.000	5.631	6.451					2.326	non-norm	nonpar
Phenols	0	27	0.000									nonpar
Specific Conductance	55	55	1.000	0.209	0.075					2.326	normal	normal
Total Organic Halogens	1	27	0.037									nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Ammonia as N	mg/L	0	58					0.2000	nonpar	***	0.99
Chemical Oxygen Demand	mg/L	14	58					21.2000	nonpar		0.99
Chloride	mg/L	5	58					7.3000	nonpar		0.99
Iron, Dissolved	ug/L	0	58					100.0000	nonpar	***	0.99
pH	S.U.	56	56					5.10- 7.89	nonpar		0.99
Phenols	mg/L	0	27					0.0200	nonpar	***	0.98
Specific Conductance	umhos/cm	55	55	700.6727	203.0976	0.0100	2.4191	1191.9785	normal		
Total Organic Halogens	ug/L	1	27					11.4000	nonpar		0.98

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Specific Conductance	umhos/cm	MW-17	04/26/2005	131.0000		04/22/1998-04/16/2025	56	0.3712

N = Total number of independent measurements in background at each well.

Date Range = Dates of the first and last measurements included in background at each well.

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Ammonia as N	mg/L	MW-10	08/09/1996		1.1000 *	0.2000
Ammonia as N	mg/L	MW-10	10/10/1996	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	01/21/1997	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/17/1997	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/04/1997	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/22/1998	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/19/1998	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/30/1999	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	09/01/1999	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/12/2000	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/17/2000	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/25/2001	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/23/2001	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/28/2002	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/06/2002	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/03/2003	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/07/2003	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/30/2004	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/12/2004	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/26/2005	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/11/2005	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/26/2006	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/05/2006	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/23/2007	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/09/2007	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/07/2008	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/14/2008	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/07/2009	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/05/2009	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/01/2010	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/01/2010	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/07/2011	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/27/2011	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/23/2012	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/23/2012	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/16/2013	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/28/2013	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/24/2014	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/06/2014	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/21/2015	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/05/2015	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/26/2016	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/05/2016	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/04/2017	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/10/2017	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/11/2018	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/30/2018	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/01/2019	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/08/2019	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/20/2020	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/20/2020	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	04/26/2021	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	08/16/2021	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	06/01/2022	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	05/03/2023	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/11/2023	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	05/02/2024	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-10	10/29/2024		0.2940 *	0.2000
Ammonia as N	mg/L	MW-10	04/16/2025	ND	0.2000	0.2000
Chemical Oxygen Demand	mg/L	MW-10	08/09/1996		140.0000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/10/1996	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	01/21/1997		5.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/17/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/04/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/22/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/19/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/30/1999		63.0000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	09/01/1999	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/12/2000	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/17/2000	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/25/2001	ND	5.0000	21.2000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-10	10/23/2001	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/28/2002		5.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/06/2002		6.9000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/03/2003	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/07/2003	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/30/2004	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/12/2004	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2005	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/11/2005	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2006	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2006		11.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/23/2007		12.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/09/2007		8.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/07/2008	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/14/2008		11.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/07/2009		10.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2009	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/01/2010		9.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/01/2010		21.8000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/07/2011		9.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/27/2011		26.7000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/23/2012	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/23/2012		43.2000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/16/2013		12.2000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/28/2013		62.1000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/24/2014		6.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/06/2014		15.8000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/21/2015		12.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2015		18.9000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2016		24.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2016		41.8000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/04/2017	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/10/2017		12.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/11/2018		21.4000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/30/2018		55.1000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/01/2019		37.8000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/08/2019		44.5000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/20/2020		53.4000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/20/2020		64.2000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2021		66.8000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	08/16/2021		28.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	06/01/2022		36.2000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	05/03/2023		26.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/11/2023		40.9000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	05/02/2024		14.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-10	10/29/2024		29.1000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-10	04/16/2025		51.0000 *	21.2000
Chloride	mg/L	MW-10	08/09/1996		13.0000 *	7.3000
Chloride	mg/L	MW-10	10/10/1996		14.0000 *	7.3000
Chloride	mg/L	MW-10	01/21/1997		15.0000 *	7.3000
Chloride	mg/L	MW-10	04/17/1997		22.0000 *	7.3000
Chloride	mg/L	MW-10	10/04/1997		19.0000 *	7.3000
Chloride	mg/L	MW-10	04/22/1998		19.6000 *	7.3000
Chloride	mg/L	MW-10	10/19/1998		20.0000 *	7.3000
Chloride	mg/L	MW-10	04/30/1999		21.0000 *	7.3000
Chloride	mg/L	MW-10	09/01/1999		21.0000 *	7.3000
Chloride	mg/L	MW-10	04/12/2000		18.6000 *	7.3000
Chloride	mg/L	MW-10	10/17/2000		19.7000 *	7.3000
Chloride	mg/L	MW-10	04/25/2001		16.7000 *	7.3000
Chloride	mg/L	MW-10	10/23/2001		18.6000 *	7.3000
Chloride	mg/L	MW-10	04/28/2002		17.9000 *	7.3000
Chloride	mg/L	MW-10	10/06/2002		17.8000 *	7.3000
Chloride	mg/L	MW-10	04/03/2003		23.0000 *	7.3000
Chloride	mg/L	MW-10	10/07/2003		23.6000 *	7.3000
Chloride	mg/L	MW-10	04/30/2004		24.0000 *	7.3000
Chloride	mg/L	MW-10	10/12/2004		26.2000 *	7.3000
Chloride	mg/L	MW-10	04/26/2005		28.1000 *	7.3000
Chloride	mg/L	MW-10	10/11/2005		28.7000 *	7.3000
Chloride	mg/L	MW-10	04/26/2006		26.2000 *	7.3000
Chloride	mg/L	MW-10	10/05/2006		25.1000 *	7.3000
Chloride	mg/L	MW-10	04/23/2007		28.8000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-10	10/09/2007		31.1000 *	7.3000
Chloride	mg/L	MW-10	04/07/2008		33.9000 *	7.3000
Chloride	mg/L	MW-10	10/14/2008		35.4000 *	7.3000
Chloride	mg/L	MW-10	04/07/2009		37.4000 *	7.3000
Chloride	mg/L	MW-10	10/05/2009		39.6000 *	7.3000
Chloride	mg/L	MW-10	04/01/2010		50.8000 *	7.3000
Chloride	mg/L	MW-10	10/01/2010		52.4000 *	7.3000
Chloride	mg/L	MW-10	04/07/2011		51.8000 *	7.3000
Chloride	mg/L	MW-10	10/27/2011		65.7000 *	7.3000
Chloride	mg/L	MW-10	04/23/2012		56.1000 *	7.3000
Chloride	mg/L	MW-10	10/23/2012		46.7000 *	7.3000
Chloride	mg/L	MW-10	04/16/2013		47.0000 *	7.3000
Chloride	mg/L	MW-10	10/28/2013		58.5000 *	7.3000
Chloride	mg/L	MW-10	04/24/2014		55.4000 *	7.3000
Chloride	mg/L	MW-10	10/06/2014		69.7000 *	7.3000
Chloride	mg/L	MW-10	04/21/2015		81.8000 *	7.3000
Chloride	mg/L	MW-10	10/05/2015		80.2000 *	7.3000
Chloride	mg/L	MW-10	04/26/2016		101.0000 *	7.3000
Chloride	mg/L	MW-10	10/05/2016		179.0000 *	7.3000
Chloride	mg/L	MW-10	04/04/2017		112.0000 *	7.3000
Chloride	mg/L	MW-10	10/10/2017		85.4000 *	7.3000
Chloride	mg/L	MW-10	04/11/2018		102.0000 *	7.3000
Chloride	mg/L	MW-10	10/30/2018		140.0000 *	7.3000
Chloride	mg/L	MW-10	04/01/2019		372.0000 *	7.3000
Chloride	mg/L	MW-10	10/08/2019		196.0000 *	7.3000
Chloride	mg/L	MW-10	04/20/2020		295.0000 *	7.3000
Chloride	mg/L	MW-10	10/20/2020		269.0000 *	7.3000
Chloride	mg/L	MW-10	04/26/2021		392.0000 *	7.3000
Chloride	mg/L	MW-10	08/16/2021		115.0000 *	7.3000
Chloride	mg/L	MW-10	06/01/2022		107.0000 *	7.3000
Chloride	mg/L	MW-10	05/03/2023		166.0000 *	7.3000
Chloride	mg/L	MW-10	10/11/2023		101.0000 *	7.3000
Chloride	mg/L	MW-10	05/02/2024		153.0000 *	7.3000
Chloride	mg/L	MW-10	10/29/2024		149.0000 *	7.3000
Chloride	mg/L	MW-10	04/16/2025		110.0000 *	7.3000
Specific Conductance	umhos/cm	MW-10	08/09/1996		787.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/10/1996		695.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	01/21/1997		625.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/17/1997		724.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/04/1997		644.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/22/1998		684.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/19/1998		742.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/30/1999		713.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	09/01/1999		774.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/12/2000		700.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/17/2000		729.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/25/2001		570.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/23/2001		740.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/28/2002		463.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/06/2002		645.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/03/2003		753.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/07/2003		550.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/30/2004		693.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/12/2004		532.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/26/2005		575.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/11/2005		1051.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/26/2006		879.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/05/2006		972.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/23/2007		943.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/09/2007		1062.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/07/2008		1199.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/14/2008		1069.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/07/2009		982.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/05/2009		973.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/01/2010		1045.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/01/2010		1100.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/07/2011		1014.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/27/2011		1141.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	04/23/2012		1075.0000	1191.9785
Specific Conductance	umhos/cm	MW-10	10/23/2012		1258.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/16/2013		1166.0000	1191.9785

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Specific Conductance	umhos/cm	MW-10	10/28/2013		1297.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/24/2014		1248.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/06/2014		1394.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/21/2015		1374.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/05/2015		1394.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/26/2016		1241.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/05/2016		1785.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/04/2017		1325.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/10/2017		1146.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/11/2018		1200.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/30/2018		1776.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/01/2019		1890.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/08/2019		1855.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/20/2020		1861.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/20/2020		2520.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/26/2021		1999.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	08/16/2021		1673.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	06/01/2022		1472.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	05/03/2023		1538.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/11/2023		1394.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	10/29/2024		1602.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-10	04/16/2025		1349.0000 *	1191.9785
Total Organic Halogens	ug/L	MW-10	10/04/1997		12.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	10/19/1998		19.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	09/01/1999		13.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	10/17/2000		11.0000	11.4000
Total Organic Halogens	ug/L	MW-10	10/23/2001	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/28/2002		5.0000	11.4000
Total Organic Halogens	ug/L	MW-10	10/06/2002		12.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/03/2003	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/30/2004	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/26/2005	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/26/2006	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/23/2007	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/07/2008		11.9000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/07/2009	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/01/2010		16.1000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/07/2011		28.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/23/2012		20.3000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/16/2013	ND	30.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/24/2014	ND	30.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/21/2015	ND	30.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/26/2016	ND	30.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/04/2017		52.4000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/11/2018		50.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/01/2019		64.2000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/20/2020	ND	40.0000	11.4000
Total Organic Halogens	ug/L	MW-10	04/26/2021		76.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	06/01/2022		41.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	05/03/2023		45.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	05/02/2024		185.0000 *	11.4000
Total Organic Halogens	ug/L	MW-10	04/16/2025	ND	60.0000	11.4000
Chemical Oxygen Demand	mg/L	MW-11	07/12/1996		5.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/10/1996		5.2000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	01/21/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/17/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/04/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/22/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/19/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/30/1999	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	09/01/1999	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/12/2000	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/17/2000	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/25/2001	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/23/2001	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/28/2002		5.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/06/2002		23.0000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/03/2003		7.8000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/07/2003	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/30/2004	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/12/2004	ND	5.0000	21.2000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-11	04/26/2005	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/11/2005	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/26/2006	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2006		10.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/23/2007		13.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/09/2007		8.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/07/2008		10.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/14/2008		11.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/07/2009	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2009	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/01/2010	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/01/2010		18.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/07/2011		5.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/27/2011		26.0000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/23/2012	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/23/2012	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/16/2013	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/28/2013		14.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/24/2014	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/06/2014		9.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/21/2015		8.6700	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2015		7.9400	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/26/2016		6.4700	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2016		6.7400	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/04/2017	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/10/2017	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/11/2018		13.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/30/2018		7.8200	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/01/2019		16.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/08/2019	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/20/2020		7.2500	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/20/2020		9.2100	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/26/2021		15.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	08/16/2021		8.9000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	06/01/2022		7.5900	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/03/2022		6.5400	21.2000
Chemical Oxygen Demand	mg/L	MW-11	05/03/2023		8.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/11/2023		9.4800	21.2000
Chemical Oxygen Demand	mg/L	MW-11	05/02/2024		6.2400	21.2000
Chemical Oxygen Demand	mg/L	MW-11	10/29/2024		52.2000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-11	04/16/2025		23.3000 *	21.2000
Chloride	mg/L	MW-11	07/12/1996		19.0000 *	7.3000
Chloride	mg/L	MW-11	10/10/1996		19.0000 *	7.3000
Chloride	mg/L	MW-11	01/21/1997		22.0000 *	7.3000
Chloride	mg/L	MW-11	04/17/1997		20.0000 *	7.3000
Chloride	mg/L	MW-11	10/04/1997		28.0000 *	7.3000
Chloride	mg/L	MW-11	04/22/1998		20.2000 *	7.3000
Chloride	mg/L	MW-11	10/19/1998		32.0000 *	7.3000
Chloride	mg/L	MW-11	04/30/1999		37.0000 *	7.3000
Chloride	mg/L	MW-11	09/01/1999		33.0000 *	7.3000
Chloride	mg/L	MW-11	04/12/2000		6.4000	7.3000
Chloride	mg/L	MW-11	10/17/2000		5.5000	7.3000
Chloride	mg/L	MW-11	04/25/2001		12.9000 *	7.3000
Chloride	mg/L	MW-11	10/23/2001		16.0000 *	7.3000
Chloride	mg/L	MW-11	04/28/2002		18.0000 *	7.3000
Chloride	mg/L	MW-11	10/06/2002		18.8000 *	7.3000
Chloride	mg/L	MW-11	04/03/2003		12.3000 *	7.3000
Chloride	mg/L	MW-11	10/07/2003		15.8000 *	7.3000
Chloride	mg/L	MW-11	04/30/2004		23.4000 *	7.3000
Chloride	mg/L	MW-11	10/12/2004		44.9000 *	7.3000
Chloride	mg/L	MW-11	04/26/2005		56.3000 *	7.3000
Chloride	mg/L	MW-11	10/11/2005		50.5000 *	7.3000
Chloride	mg/L	MW-11	04/26/2006		38.2000 *	7.3000
Chloride	mg/L	MW-11	10/05/2006		14.0000 *	7.3000
Chloride	mg/L	MW-11	04/23/2007		16.0000 *	7.3000
Chloride	mg/L	MW-11	10/09/2007		23.9000 *	7.3000
Chloride	mg/L	MW-11	04/07/2008		67.9000 *	7.3000
Chloride	mg/L	MW-11	10/14/2008		67.1000 *	7.3000
Chloride	mg/L	MW-11	04/07/2009		64.9000 *	7.3000
Chloride	mg/L	MW-11	10/05/2009		61.3000 *	7.3000
Chloride	mg/L	MW-11	04/01/2010		61.6000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

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ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-11	10/01/2010		46.1000 *	7.3000
Chloride	mg/L	MW-11	04/07/2011		59.9000 *	7.3000
Chloride	mg/L	MW-11	10/27/2011		61.9000 *	7.3000
Chloride	mg/L	MW-11	04/23/2012		72.4000 *	7.3000
Chloride	mg/L	MW-11	10/23/2012		29.3000 *	7.3000
Chloride	mg/L	MW-11	04/16/2013		17.6000 *	7.3000
Chloride	mg/L	MW-11	10/28/2013		57.6000 *	7.3000
Chloride	mg/L	MW-11	04/24/2014		64.2000 *	7.3000
Chloride	mg/L	MW-11	10/06/2014		45.1000 *	7.3000
Chloride	mg/L	MW-11	04/21/2015		78.7000 *	7.3000
Chloride	mg/L	MW-11	10/05/2015		84.3000 *	7.3000
Chloride	mg/L	MW-11	04/26/2016		61.1000 *	7.3000
Chloride	mg/L	MW-11	10/05/2016		78.5000 *	7.3000
Chloride	mg/L	MW-11	04/04/2017		102.0000 *	7.3000
Chloride	mg/L	MW-11	10/10/2017		91.8000 *	7.3000
Chloride	mg/L	MW-11	04/11/2018		89.3000 *	7.3000
Chloride	mg/L	MW-11	10/30/2018		75.1000 *	7.3000
Chloride	mg/L	MW-11	04/01/2019		81.0000 *	7.3000
Chloride	mg/L	MW-11	10/08/2019		69.2000 *	7.3000
Chloride	mg/L	MW-11	04/20/2020		72.0000 *	7.3000
Chloride	mg/L	MW-11	10/20/2020		84.1000 *	7.3000
Chloride	mg/L	MW-11	04/26/2021		100.0000 *	7.3000
Chloride	mg/L	MW-11	08/16/2021		38.4000 *	7.3000
Chloride	mg/L	MW-11	06/01/2022		26.9000 *	7.3000
Chloride	mg/L	MW-11	10/03/2022		24.3000 *	7.3000
Chloride	mg/L	MW-11	05/03/2023		25.1000 *	7.3000
Chloride	mg/L	MW-11	10/11/2023		55.4000 *	7.3000
Chloride	mg/L	MW-11	05/02/2024		101.0000 *	7.3000
Chloride	mg/L	MW-11	10/29/2024		128.0000 *	7.3000
Chloride	mg/L	MW-11	04/16/2025		110.0000 *	7.3000
Specific Conductance	umhos/cm	MW-11	07/12/1996		465.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/10/1996		622.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	01/21/1997		515.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/17/1997		537.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/04/1997		543.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/22/1998		625.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/19/1998		667.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/30/1999		707.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	09/01/1999		736.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/12/2000		737.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/17/2000		740.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/25/2001		428.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/23/2001		733.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/28/2002		784.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/06/2002		684.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/03/2003		735.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/07/2003		832.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/30/2004		615.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/12/2004		1266.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-11	04/26/2005		658.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/11/2005		989.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/26/2006		882.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/05/2006		975.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/23/2007		979.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/09/2007		1030.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/07/2008		1170.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/14/2008		992.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/07/2009		1034.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/05/2009		1052.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/01/2010		1121.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/01/2010		1071.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/07/2011		1039.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/27/2011		1003.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/23/2012		1060.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/23/2012		1187.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/16/2013		1121.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/28/2013		1193.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-11	04/24/2014		1178.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	10/06/2014		1082.0000	1191.9785
Specific Conductance	umhos/cm	MW-11	04/21/2015		1215.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-11	10/05/2015		1221.0000 *	1191.9785

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Specific Conductance	umhos/cm	MW-11	04/26/2016		1218.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/05/2016		1299.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	04/04/2017		1234.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/10/2017		1196.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	04/11/2018		1175.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/30/2018		1204.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	04/01/2019		1296.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/08/2019		1316.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	04/20/2020		1416.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/20/2020		1462.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	04/26/2021		1553.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	08/16/2021		1465.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	06/01/2022		1245.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/03/2022		1266.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	05/03/2023		1259.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/11/2023		1300.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	05/02/2024		1274.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	10/29/2024		1345.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-11	04/16/2025		1372.0000	*	1191.9785
Total Organic Halogens	ug/L	MW-11	10/04/1997	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	10/19/1998		15.0000	*	11.4000
Total Organic Halogens	ug/L	MW-11	09/01/1999		11.0000		11.4000
Total Organic Halogens	ug/L	MW-11	10/17/2000	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	10/23/2001	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/28/2002	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	10/06/2002	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/03/2003	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/30/2004	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/26/2005	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/26/2006	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/23/2007	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/07/2008		11.1000		11.4000
Total Organic Halogens	ug/L	MW-11	04/07/2009		15.6000	*	11.4000
Total Organic Halogens	ug/L	MW-11	04/01/2010		18.9000	*	11.4000
Total Organic Halogens	ug/L	MW-11	04/07/2011		25.0000	*	11.4000
Total Organic Halogens	ug/L	MW-11	04/23/2012		29.6000	*	11.4000
Total Organic Halogens	ug/L	MW-11	04/16/2013	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/24/2014	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/21/2015	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/26/2016	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/04/2017		41.9000	*	11.4000
Total Organic Halogens	ug/L	MW-11	04/11/2018	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/01/2019	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/20/2020	ND	40.0000		11.4000
Total Organic Halogens	ug/L	MW-11	04/26/2021		22.0000	*	11.4000
Total Organic Halogens	ug/L	MW-11	06/01/2022	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	05/03/2023	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-11	05/02/2024		172.0000	*	11.4000
Total Organic Halogens	ug/L	MW-11	04/16/2025	ND	60.0000		11.4000
Ammonia as N	mg/L	MW-12	10/10/1996	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	01/21/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/17/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	07/15/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/04/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/22/1998	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/19/1998		0.2100	*	0.2000
Ammonia as N	mg/L	MW-12	04/30/1999	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	09/01/1999	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/12/2000	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/17/2000	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/25/2001	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/23/2001	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/28/2002	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/06/2002	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/03/2003	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/07/2003	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/30/2004	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/12/2004	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/26/2005	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/11/2005	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/26/2006	ND	0.2000		0.2000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Ammonia as N	mg/L	MW-12	10/05/2006	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/23/2007	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/09/2007	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/07/2008	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/14/2008	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/07/2009	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/05/2009	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/01/2010	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/01/2010	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/07/2011	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/27/2011	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/23/2012	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/23/2012	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/16/2013	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/28/2013	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/24/2014	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/06/2014	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/21/2015	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/05/2015	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/26/2016	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/05/2016	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/04/2017	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/10/2017	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/11/2018	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/30/2018	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/01/2019	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/08/2019	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/20/2020	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/20/2020	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	04/26/2021	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	08/16/2021	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	06/01/2022	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/03/2022	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	05/03/2023	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/11/2023	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	05/02/2024	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-12	10/29/2024		0.5640 *	0.2000
Ammonia as N	mg/L	MW-12	04/16/2025	ND	0.2000	0.2000
Chloride	mg/L	MW-12	10/10/1996		5.4000	7.3000
Chloride	mg/L	MW-12	01/21/1997		6.4000	7.3000
Chloride	mg/L	MW-12	04/17/1997		7.5000 *	7.3000
Chloride	mg/L	MW-12	07/15/1997		6.8000	7.3000
Chloride	mg/L	MW-12	10/04/1997		6.6000	7.3000
Chloride	mg/L	MW-12	04/22/1998		8.1000 *	7.3000
Chloride	mg/L	MW-12	10/19/1998		7.4000 *	7.3000
Chloride	mg/L	MW-12	04/30/1999		9.6000 *	7.3000
Chloride	mg/L	MW-12	09/01/1999		8.3000 *	7.3000
Chloride	mg/L	MW-12	04/12/2000		6.4000	7.3000
Chloride	mg/L	MW-12	10/17/2000		7.9000 *	7.3000
Chloride	mg/L	MW-12	04/25/2001		8.0000 *	7.3000
Chloride	mg/L	MW-12	10/23/2001		16.2000 *	7.3000
Chloride	mg/L	MW-12	04/28/2002		17.4000 *	7.3000
Chloride	mg/L	MW-12	10/06/2002		27.0000 *	7.3000
Chloride	mg/L	MW-12	04/03/2003		43.1000 *	7.3000
Chloride	mg/L	MW-12	10/07/2003		81.1000 *	7.3000
Chloride	mg/L	MW-12	04/30/2004		60.4000 *	7.3000
Chloride	mg/L	MW-12	10/12/2004		50.1000 *	7.3000
Chloride	mg/L	MW-12	04/26/2005		21.5000 *	7.3000
Chloride	mg/L	MW-12	10/11/2005		21.4000 *	7.3000
Chloride	mg/L	MW-12	04/26/2006		9.8800 *	7.3000
Chloride	mg/L	MW-12	10/05/2006		14.5000 *	7.3000
Chloride	mg/L	MW-12	04/23/2007		10.7000 *	7.3000
Chloride	mg/L	MW-12	10/09/2007		23.9000 *	7.3000
Chloride	mg/L	MW-12	04/07/2008		13.2000 *	7.3000
Chloride	mg/L	MW-12	10/14/2008		19.8000 *	7.3000
Chloride	mg/L	MW-12	04/07/2009		9.3000 *	7.3000
Chloride	mg/L	MW-12	10/05/2009		9.8000 *	7.3000
Chloride	mg/L	MW-12	04/01/2010		11.0000 *	7.3000
Chloride	mg/L	MW-12	10/01/2010		25.9000 *	7.3000
Chloride	mg/L	MW-12	04/07/2011		16.0000 *	7.3000
Chloride	mg/L	MW-12	10/27/2011		14.2000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-12	04/23/2012		12.3000 *	7.3000
Chloride	mg/L	MW-12	10/23/2012		9.3700 *	7.3000
Chloride	mg/L	MW-12	04/16/2013		9.3200 *	7.3000
Chloride	mg/L	MW-12	10/28/2013		35.8000 *	7.3000
Chloride	mg/L	MW-12	04/24/2014		23.8000 *	7.3000
Chloride	mg/L	MW-12	10/06/2014		37.9000 *	7.3000
Chloride	mg/L	MW-12	04/21/2015		63.7000 *	7.3000
Chloride	mg/L	MW-12	10/05/2015		61.4000 *	7.3000
Chloride	mg/L	MW-12	04/26/2016		130.0000 *	7.3000
Chloride	mg/L	MW-12	10/05/2016		106.0000 *	7.3000
Chloride	mg/L	MW-12	04/04/2017		42.9000 *	7.3000
Chloride	mg/L	MW-12	10/10/2017		19.2000 *	7.3000
Chloride	mg/L	MW-12	04/11/2018		15.2000 *	7.3000
Chloride	mg/L	MW-12	10/30/2018		42.6000 *	7.3000
Chloride	mg/L	MW-12	04/01/2019		31.5000 *	7.3000
Chloride	mg/L	MW-12	10/08/2019		12.0000 *	7.3000
Chloride	mg/L	MW-12	04/20/2020		11.2000 *	7.3000
Chloride	mg/L	MW-12	10/20/2020		12.3000 *	7.3000
Chloride	mg/L	MW-12	04/26/2021		9.3200 *	7.3000
Chloride	mg/L	MW-12	08/16/2021		12.5000 *	7.3000
Chloride	mg/L	MW-12	06/01/2022		32.0000 *	7.3000
Chloride	mg/L	MW-12	10/03/2022		21.7000 *	7.3000
Chloride	mg/L	MW-12	05/03/2023		29.1000 *	7.3000
Chloride	mg/L	MW-12	10/11/2023		34.0000 *	7.3000
Chloride	mg/L	MW-12	05/02/2024		40.7000 *	7.3000
Chloride	mg/L	MW-12	10/29/2024		68.7000 *	7.3000
Chloride	mg/L	MW-12	04/16/2025		43.7000 *	7.3000
Iron, Dissolved	ug/L	MW-12	10/10/1996	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	01/21/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/17/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	07/15/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/04/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/22/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/19/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/30/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	09/01/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/12/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/17/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/25/2001	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/23/2001	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/28/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/06/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/03/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/07/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/30/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/12/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2005		300.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/11/2005		1500.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2006		2290.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2006		650.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/23/2007		816.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/09/2007		3090.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/07/2008		465.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/14/2008		1610.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/07/2009		2400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2009		7220.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/01/2010		5400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/01/2010		6230.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/07/2011		5660.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/27/2011		5300.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/23/2012		4510.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/23/2012		7640.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/16/2013		5970.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/28/2013		8850.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/24/2014		10100.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/06/2014		13500.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/21/2015		19800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2015		21700.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2016		15600.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2016		19200.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/04/2017		13100.0000 *	100.0000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Iron, Dissolved	ug/L	MW-12	10/10/2017		17100.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/11/2018		22900.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/30/2018		27900.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/01/2019		20200.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/08/2019		27400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/20/2020		24800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/20/2020		19400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2021		27800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	08/16/2021		29900.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	06/01/2022		25300.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/03/2022		9460.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	05/03/2023		10800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/11/2023		7290.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	05/02/2024		6970.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/29/2024		13800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/16/2025		14200.0000 *	100.0000
Specific Conductance	umhos/cm	MW-12	10/10/1996		1026.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	01/21/1997		922.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/17/1997		1010.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	07/15/1997		1017.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	10/04/1997		906.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/22/1998		1044.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	10/19/1998		1046.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/30/1999		1102.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	09/01/1999		1171.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/12/2000		1087.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	10/17/2000		1129.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/25/2001		1223.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/23/2001		1165.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/28/2002		1040.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	10/06/2002		1051.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/03/2003		1319.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/07/2003		671.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/30/2004		1106.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	10/12/2004		496.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	04/26/2005		182.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	10/11/2005		1571.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/26/2006		1374.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/05/2006		1369.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/23/2007		1270.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/09/2007		1451.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/07/2008		1571.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/14/2008		1377.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/07/2009		1326.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/05/2009		1371.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/01/2010		1357.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/01/2010		1399.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/07/2011		1184.0000	1191.9785
Specific Conductance	umhos/cm	MW-12	10/27/2011		1205.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/23/2012		1199.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/23/2012		1518.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/16/2013		1476.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/28/2013		1523.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/24/2014		1512.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/06/2014		1547.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/21/2015		1601.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/05/2015		1637.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/26/2016		1786.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/05/2016		1706.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/04/2017		1375.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/10/2017		1287.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/11/2018		1304.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/30/2018		1556.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/01/2019		1399.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/08/2019		1499.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/20/2020		1386.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/20/2020		1684.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/26/2021		1637.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	08/16/2021		1754.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	06/01/2022		1371.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/03/2022		1494.0000 *	1191.9785

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Specific Conductance	umhos/cm	MW-12	05/03/2023		1481.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/11/2023		1422.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	05/02/2024		1440.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	10/29/2024		1348.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-12	04/16/2025		1355.0000 *	1191.9785
Total Organic Halogens	ug/L	MW-12	10/04/1997		83.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	10/19/1998		23.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	09/01/1999		64.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	10/17/2000		55.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	10/23/2001		58.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/28/2002		59.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	10/06/2002		44.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/03/2003		57.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/30/2004		54.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/26/2005		38.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/26/2006		41.4000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/23/2007		33.8000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/07/2008		37.3000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/07/2009		35.2000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/01/2010		44.6000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/07/2011		43.2000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/23/2012		40.2000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/16/2013		40.8000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/24/2014		44.4000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/21/2015		64.8000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/26/2016		50.5000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/04/2017		46.2000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/11/2018		41.9000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/01/2019		37.4000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/20/2020	ND	40.0000	11.4000
Total Organic Halogens	ug/L	MW-12	04/26/2021		42.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	06/01/2022		48.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	05/03/2023		47.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	05/02/2024		146.0000 *	11.4000
Total Organic Halogens	ug/L	MW-12	04/16/2025	ND	60.0000	11.4000
Chemical Oxygen Demand	mg/L	MW-13	07/12/1996		63.0000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/10/1996	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	01/21/1997		7.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/17/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/04/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/22/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/19/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/30/1999	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	09/01/1999	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/12/2000		22.0000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/17/2000	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/25/2001		6.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/23/2001	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/28/2002		8.2000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/06/2002		8.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/03/2003		10.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/07/2003	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/30/2004		12.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/12/2004	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2005	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/11/2005	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2006		6.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2006		13.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/23/2007		9.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/09/2007	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/07/2008	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/14/2008		5.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/07/2009		8.8000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2009	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/01/2010		9.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/01/2010		17.9000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/07/2011		12.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/27/2011		14.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/23/2012	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/23/2012	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/16/2013	ND	5.0000	21.2000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-13	10/28/2013	ND	15.4000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/24/2014		5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/06/2014		8.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/21/2015		10.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2015		7.9400	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2016		15.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2016		10.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/04/2017		5.2300	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/10/2017		6.5100	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/11/2018		17.2000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/30/2018		18.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/01/2019		32.5000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/08/2019		60.2000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/20/2020		26.7000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/20/2020		8.5600	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2021		22.5000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	08/16/2021		12.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	06/01/2022		20.9000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/03/2022		13.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	05/03/2023		23.5000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/11/2023		20.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-13	05/08/2024		23.7000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	10/29/2024		42.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-13	04/16/2025		38.8000 *	21.2000
Chloride	mg/L	MW-13	07/12/1996		12.0000 *	7.3000
Chloride	mg/L	MW-13	10/10/1996		13.0000 *	7.3000
Chloride	mg/L	MW-13	01/21/1997		14.0000 *	7.3000
Chloride	mg/L	MW-13	04/17/1997		18.0000 *	7.3000
Chloride	mg/L	MW-13	10/04/1997		18.0000 *	7.3000
Chloride	mg/L	MW-13	04/22/1998		15.6000 *	7.3000
Chloride	mg/L	MW-13	10/19/1998		18.0000 *	7.3000
Chloride	mg/L	MW-13	04/30/1999		17.0000 *	7.3000
Chloride	mg/L	MW-13	09/01/1999		18.0000 *	7.3000
Chloride	mg/L	MW-13	04/12/2000		17.5000 *	7.3000
Chloride	mg/L	MW-13	10/17/2000		19.9000 *	7.3000
Chloride	mg/L	MW-13	04/25/2001		15.1000 *	7.3000
Chloride	mg/L	MW-13	10/23/2001		16.7000 *	7.3000
Chloride	mg/L	MW-13	04/28/2002		16.6000 *	7.3000
Chloride	mg/L	MW-13	10/06/2002		16.5000 *	7.3000
Chloride	mg/L	MW-13	04/03/2003		24.8000 *	7.3000
Chloride	mg/L	MW-13	10/07/2003		19.7000 *	7.3000
Chloride	mg/L	MW-13	04/30/2004		19.3000 *	7.3000
Chloride	mg/L	MW-13	10/12/2004		18.4000 *	7.3000
Chloride	mg/L	MW-13	04/26/2005		11.6000 *	7.3000
Chloride	mg/L	MW-13	10/11/2005		19.0000 *	7.3000
Chloride	mg/L	MW-13	04/26/2006		18.8000 *	7.3000
Chloride	mg/L	MW-13	10/05/2006		18.2000 *	7.3000
Chloride	mg/L	MW-13	04/23/2007		17.5000 *	7.3000
Chloride	mg/L	MW-13	10/09/2007		20.1000 *	7.3000
Chloride	mg/L	MW-13	04/07/2008		20.0000 *	7.3000
Chloride	mg/L	MW-13	10/14/2008		19.3000 *	7.3000
Chloride	mg/L	MW-13	04/07/2009		18.1000 *	7.3000
Chloride	mg/L	MW-13	10/05/2009		19.9000 *	7.3000
Chloride	mg/L	MW-13	04/01/2010		73.3000 *	7.3000
Chloride	mg/L	MW-13	10/01/2010		51.8000 *	7.3000
Chloride	mg/L	MW-13	04/07/2011		43.1000 *	7.3000
Chloride	mg/L	MW-13	10/27/2011		27.5000 *	7.3000
Chloride	mg/L	MW-13	04/23/2012		15.4000 *	7.3000
Chloride	mg/L	MW-13	10/23/2012		18.3000 *	7.3000
Chloride	mg/L	MW-13	04/16/2013		28.5000 *	7.3000
Chloride	mg/L	MW-13	10/28/2013		60.7000 *	7.3000
Chloride	mg/L	MW-13	04/24/2014		21.6000 *	7.3000
Chloride	mg/L	MW-13	10/06/2014		77.7000 *	7.3000
Chloride	mg/L	MW-13	04/21/2015		143.0000 *	7.3000
Chloride	mg/L	MW-13	10/05/2015		75.7000 *	7.3000
Chloride	mg/L	MW-13	04/26/2016		93.2000 *	7.3000
Chloride	mg/L	MW-13	10/05/2016		73.8000 *	7.3000
Chloride	mg/L	MW-13	04/04/2017		130.0000 *	7.3000
Chloride	mg/L	MW-13	10/10/2017		62.8000 *	7.3000
Chloride	mg/L	MW-13	04/11/2018		124.0000 *	7.3000
Chloride	mg/L	MW-13	10/30/2018		132.0000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-13	04/01/2019		147.0000 *	7.3000
Chloride	mg/L	MW-13	10/08/2019		179.0000 *	7.3000
Chloride	mg/L	MW-13	04/20/2020		116.0000 *	7.3000
Chloride	mg/L	MW-13	10/20/2020		32.5000 *	7.3000
Chloride	mg/L	MW-13	04/26/2021		85.2000 *	7.3000
Chloride	mg/L	MW-13	08/16/2021		33.1000 *	7.3000
Chloride	mg/L	MW-13	06/01/2022		24.7000 *	7.3000
Chloride	mg/L	MW-13	10/03/2022		21.7000 *	7.3000
Chloride	mg/L	MW-13	05/03/2023		73.0000 *	7.3000
Chloride	mg/L	MW-13	10/11/2023		33.1000 *	7.3000
Chloride	mg/L	MW-13	05/08/2024		60.5000 *	7.3000
Chloride	mg/L	MW-13	10/29/2024		38.4000 *	7.3000
Chloride	mg/L	MW-13	04/16/2025		88.1000 *	7.3000
Specific Conductance	umhos/cm	MW-13	07/12/1996		390.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/10/1996		475.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	01/21/1997		479.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/17/1997		645.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/04/1997		548.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/22/1998		584.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/19/1998		525.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/30/1999		605.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	09/01/1999		558.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/12/2000		517.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/17/2000		536.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/25/2001		648.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/23/2001		530.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/28/2002		423.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/06/2002		499.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/03/2003		930.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/07/2003		646.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/30/2004		792.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/12/2004		346.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/26/2005		608.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/11/2005		764.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/26/2006		641.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/05/2006		687.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/23/2007		668.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/09/2007		868.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/07/2008		804.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/14/2008		1057.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/07/2009		747.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/05/2009		759.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/01/2010		1205.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/01/2010		1329.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	04/07/2011		1115.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/27/2011		1018.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/23/2012		1084.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/23/2012		806.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/16/2013		1336.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/28/2013		1421.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	04/24/2014		847.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/06/2014		1590.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	04/21/2015		1583.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/05/2015		1204.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	04/26/2016		1195.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/05/2016		1159.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/04/2017		1341.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/10/2017		1193.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	04/11/2018		1332.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/30/2018		1578.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	04/01/2019		1590.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/08/2019		1854.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	04/20/2020		1680.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/20/2020		990.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	04/26/2021		1595.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	08/16/2021		1209.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	06/01/2022		938.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	10/03/2022		917.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	05/03/2023		1446.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-13	10/11/2023		990.0000	1191.9785
Specific Conductance	umhos/cm	MW-13	05/08/2024		1550.0000 *	1191.9785

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Specific Conductance	umhos/cm	MW-13	10/29/2024		1604.0000	*	1191.9785
Specific Conductance	umhos/cm	MW-13	04/16/2025		1402.0000	*	1191.9785
Total Organic Halogens	ug/L	MW-13	10/04/1997	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	10/19/1998	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	09/01/1999		138.0000	*	11.4000
Total Organic Halogens	ug/L	MW-13	10/17/2000	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	10/23/2001	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/28/2002	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	10/06/2002	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/03/2003		23.0000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/30/2004	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/26/2005		13.0000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/26/2006	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/23/2007	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/07/2008	ND	10.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/07/2009		5.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/01/2010		17.1000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/07/2011		19.5000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/23/2012		16.0000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/16/2013	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/24/2014	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/21/2015		48.2000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/26/2016	ND	30.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/04/2017		55.9000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/11/2018		69.2000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/01/2019		72.7000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/20/2020		54.1000	*	11.4000
Total Organic Halogens	ug/L	MW-13	04/26/2021		31.0000	*	11.4000
Total Organic Halogens	ug/L	MW-13	06/01/2022		11.0000		11.4000
Total Organic Halogens	ug/L	MW-13	05/03/2023		77.0000	*	11.4000
Total Organic Halogens	ug/L	MW-13	05/08/2024	ND	40.0000		11.4000
Total Organic Halogens	ug/L	MW-13	04/16/2025		103.0000	*	11.4000
Ammonia as N	mg/L	MW-14	07/12/1996	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/10/1996	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	01/21/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/17/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/04/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/22/1998	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/19/1998	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/30/1999	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	09/01/1999	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/12/2000	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/17/2000	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/25/2001	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/23/2001	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/28/2002	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/06/2002	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/03/2003	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/07/2003	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/30/2004		0.2200	*	0.2000
Ammonia as N	mg/L	MW-14	10/12/2004	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/26/2005	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/11/2005	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/26/2006	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/05/2006	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/23/2007	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/09/2007	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/07/2008	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/14/2008	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/07/2009	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/05/2009	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/01/2010	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/01/2010	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/07/2011	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/27/2011	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/23/2012	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/23/2012	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/16/2013	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/28/2013	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	04/24/2014	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-14	10/06/2014	ND	0.2000		0.2000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Ammonia as N	mg/L	MW-14	04/21/2015	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/05/2015	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	04/26/2016	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/05/2016	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	04/04/2017	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/10/2017	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	04/11/2018	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/30/2018	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	04/01/2019	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/08/2019	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	04/20/2020	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/20/2020	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	04/26/2021	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	08/16/2021	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	06/01/2022	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	05/03/2023	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/11/2023	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	05/02/2024	ND	0.2000	0.2000
Ammonia as N	mg/L	MW-14	10/29/2024		0.2600	0.2000
Ammonia as N	mg/L	MW-14	04/16/2025	ND	0.2000	0.2000
Chemical Oxygen Demand	mg/L	MW-14	07/12/1996		24.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/10/1996	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	01/21/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/17/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/04/1997	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/22/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/19/1998	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/30/1999	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	09/01/1999	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/12/2000	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/17/2000	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/25/2001	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/23/2001	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/28/2002	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/06/2002		15.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/03/2003		7.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/07/2003		10.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/30/2004	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/12/2004		6.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/26/2005		5.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/11/2005	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/26/2006	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2006		12.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/23/2007	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/09/2007		5.8000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/07/2008	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/14/2008		10.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/07/2009		10.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2009	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/01/2010	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/01/2010	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/07/2011		10.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/27/2011		13.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/23/2012	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/23/2012		7.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/16/2013	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/28/2013		22.8000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/24/2014		5.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/06/2014		7.7000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/21/2015	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2015		11.3000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/26/2016		6.4700	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2016		5.6900	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/04/2017	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/10/2017	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/11/2018		6.6000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/30/2018	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/01/2019		12.8000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/08/2019	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/20/2020		6.2400	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/20/2020	ND	5.0000	21.2000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-14	04/26/2021		15.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	08/16/2021		12.5000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	06/01/2022		13.9000	21.2000
Chemical Oxygen Demand	mg/L	MW-14	05/03/2023		29.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/11/2023		42.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-14	05/02/2024		22.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-14	10/29/2024		28.4000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-14	04/16/2025		20.2000	21.2000
Chloride	mg/L	MW-14	07/12/1996		12.0000 *	7.3000
Chloride	mg/L	MW-14	10/10/1996		14.0000 *	7.3000
Chloride	mg/L	MW-14	01/21/1997		13.0000 *	7.3000
Chloride	mg/L	MW-14	04/17/1997		17.0000 *	7.3000
Chloride	mg/L	MW-14	10/04/1997		15.0000 *	7.3000
Chloride	mg/L	MW-14	04/22/1998		18.5000 *	7.3000
Chloride	mg/L	MW-14	10/19/1998		19.0000 *	7.3000
Chloride	mg/L	MW-14	04/30/1999		20.0000 *	7.3000
Chloride	mg/L	MW-14	09/01/1999		18.0000 *	7.3000
Chloride	mg/L	MW-14	04/12/2000		17.7000 *	7.3000
Chloride	mg/L	MW-14	10/17/2000		17.0000 *	7.3000
Chloride	mg/L	MW-14	04/25/2001		16.8000 *	7.3000
Chloride	mg/L	MW-14	10/23/2001		22.6000 *	7.3000
Chloride	mg/L	MW-14	04/28/2002		27.9000 *	7.3000
Chloride	mg/L	MW-14	10/06/2002		23.1000 *	7.3000
Chloride	mg/L	MW-14	04/03/2003		30.9000 *	7.3000
Chloride	mg/L	MW-14	10/07/2003		24.8000 *	7.3000
Chloride	mg/L	MW-14	04/30/2004		43.4000 *	7.3000
Chloride	mg/L	MW-14	10/12/2004		80.6000 *	7.3000
Chloride	mg/L	MW-14	04/26/2005		53.3000 *	7.3000
Chloride	mg/L	MW-14	10/11/2005		43.6000 *	7.3000
Chloride	mg/L	MW-14	04/26/2006		38.1000 *	7.3000
Chloride	mg/L	MW-14	10/05/2006		38.4000 *	7.3000
Chloride	mg/L	MW-14	04/23/2007		39.9000 *	7.3000
Chloride	mg/L	MW-14	10/09/2007		43.9000 *	7.3000
Chloride	mg/L	MW-14	04/07/2008		45.1000 *	7.3000
Chloride	mg/L	MW-14	10/14/2008		40.5000 *	7.3000
Chloride	mg/L	MW-14	04/07/2009		37.3000 *	7.3000
Chloride	mg/L	MW-14	10/05/2009		44.7000 *	7.3000
Chloride	mg/L	MW-14	04/01/2010		43.6000 *	7.3000
Chloride	mg/L	MW-14	10/01/2010		53.6000 *	7.3000
Chloride	mg/L	MW-14	04/07/2011		49.7000 *	7.3000
Chloride	mg/L	MW-14	10/27/2011		35.0000 *	7.3000
Chloride	mg/L	MW-14	04/23/2012		33.5000 *	7.3000
Chloride	mg/L	MW-14	10/23/2012		29.4000 *	7.3000
Chloride	mg/L	MW-14	04/16/2013		16.4000 *	7.3000
Chloride	mg/L	MW-14	10/28/2013		66.1000 *	7.3000
Chloride	mg/L	MW-14	04/24/2014		62.3000 *	7.3000
Chloride	mg/L	MW-14	10/06/2014		61.6000 *	7.3000
Chloride	mg/L	MW-14	04/21/2015		78.8000 *	7.3000
Chloride	mg/L	MW-14	10/05/2015		62.0000 *	7.3000
Chloride	mg/L	MW-14	04/26/2016		26.4000 *	7.3000
Chloride	mg/L	MW-14	10/05/2016		38.1000 *	7.3000
Chloride	mg/L	MW-14	04/04/2017		59.0000 *	7.3000
Chloride	mg/L	MW-14	10/10/2017		53.2000 *	7.3000
Chloride	mg/L	MW-14	04/11/2018		48.2000 *	7.3000
Chloride	mg/L	MW-14	10/30/2018		20.5000 *	7.3000
Chloride	mg/L	MW-14	04/01/2019		36.5000 *	7.3000
Chloride	mg/L	MW-14	10/08/2019		30.5000 *	7.3000
Chloride	mg/L	MW-14	04/20/2020		41.6000 *	7.3000
Chloride	mg/L	MW-14	10/20/2020		50.2000 *	7.3000
Chloride	mg/L	MW-14	04/26/2021		51.0000 *	7.3000
Chloride	mg/L	MW-14	08/16/2021		50.3000 *	7.3000
Chloride	mg/L	MW-14	06/01/2022		50.0000 *	7.3000
Chloride	mg/L	MW-14	05/03/2023		58.8000 *	7.3000
Chloride	mg/L	MW-14	10/11/2023		109.0000 *	7.3000
Chloride	mg/L	MW-14	05/02/2024		129.0000 *	7.3000
Chloride	mg/L	MW-14	10/29/2024		130.0000 *	7.3000
Chloride	mg/L	MW-14	04/16/2025		128.0000 *	7.3000
Iron, Dissolved	ug/L	MW-14	07/12/1996	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/10/1996	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	01/21/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/17/1997	ND	100.0000	100.0000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
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Constituent	Units	Well	Date		Result	Pred. Limit
Iron, Dissolved	ug/L	MW-14	10/04/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/22/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/19/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/30/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	09/01/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/12/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/17/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/25/2001		140.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/23/2001	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/28/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/06/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/03/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/07/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/30/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/12/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2005	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/11/2005	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2006	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2006	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/23/2007	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/09/2007	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/07/2008	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/14/2008	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/07/2009	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2009	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/01/2010	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/01/2010	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/07/2011	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/27/2011	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/23/2012	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/23/2012	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/16/2013	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/28/2013	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/24/2014		102.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/06/2014	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/21/2015	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2015	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2016	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2016	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/04/2017	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/10/2017	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/11/2018	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/30/2018	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/01/2019	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/08/2019	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/20/2020	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/20/2020	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2021	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	08/16/2021	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	06/01/2022	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	05/03/2023	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/11/2023	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	05/02/2024	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/29/2024	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/16/2025		1520.0000	100.0000
Specific Conductance	umhos/cm	MW-14	07/12/1996		528.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/10/1996		690.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	01/21/1997		582.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/17/1997		698.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/04/1997		682.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/22/1998		764.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/19/1998		831.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/30/1999		913.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	09/01/1999		900.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/12/2000		914.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/17/2000		808.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/25/2001		941.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/23/2001		889.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/28/2002		742.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/06/2002		757.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/03/2003		930.0000	1191.9785

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Specific Conductance	umhos/cm	MW-14	10/07/2003		1050.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/30/2004		930.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/12/2004		419.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/26/2005		286.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/11/2005		1237.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/26/2006		1055.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/05/2006		1145.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/23/2007		1146.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/09/2007		1211.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/07/2008		1397.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/14/2008		1254.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/07/2009		1282.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/05/2009		1266.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/01/2010		1246.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/01/2010		1279.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/07/2011		1179.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/27/2011		1158.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	04/23/2012		1177.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/23/2012		1383.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/16/2013		1184.0000	1191.9785
Specific Conductance	umhos/cm	MW-14	10/28/2013		1487.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/24/2014		1403.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/06/2014		1443.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/21/2015		1431.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/05/2015		1423.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/26/2016		1314.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/05/2016		1377.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/04/2017		1272.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/10/2017		1238.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/11/2018		1227.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/30/2018		1317.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/01/2019		1328.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/08/2019		1338.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/20/2020		1541.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/20/2020		1542.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/26/2021		1570.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	08/16/2021		1608.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	06/01/2022		1382.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	05/03/2023		1501.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/11/2023		1600.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	05/02/2024		1662.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	10/29/2024		1606.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-14	04/16/2025		1653.0000 *	1191.9785
Total Organic Halogens	ug/L	MW-14	10/04/1997		28.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	10/19/1998	ND	10.0000	11.4000
Total Organic Halogens	ug/L	MW-14	09/01/1999		52.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	10/17/2000		22.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	10/23/2001		41.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/28/2002		38.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	10/06/2002		25.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	10/07/2003		23.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/30/2004		30.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/26/2005		48.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/26/2006		39.1000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/23/2007		44.4000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/07/2008		53.2000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/07/2009		69.8000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/01/2010		67.2000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/07/2011		88.1000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/23/2012		87.8000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/16/2013	ND	30.0000	11.4000
Total Organic Halogens	ug/L	MW-14	04/24/2014		83.1000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/21/2015		77.7000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/26/2016	ND	30.0000	11.4000
Total Organic Halogens	ug/L	MW-14	04/04/2017		84.1000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/11/2018		90.6000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/01/2019		117.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/20/2020		85.6000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/26/2021		76.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	06/01/2022		76.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	05/03/2023		93.0000 *	11.4000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Total Organic Halogens	ug/L	MW-14	05/02/2024		299.0000 *	11.4000
Total Organic Halogens	ug/L	MW-14	04/16/2025		90.5000 *	11.4000
Chemical Oxygen Demand	mg/L	MW-16	04/20/2020	ND	5.0000	21.2000
Chemical Oxygen Demand	mg/L	MW-16	10/20/2020		8.2300	21.2000
Chemical Oxygen Demand	mg/L	MW-16	04/26/2021		7.0500	21.2000
Chemical Oxygen Demand	mg/L	MW-16	08/16/2021		9.8900	21.2000
Chemical Oxygen Demand	mg/L	MW-16	06/01/2022		38.2000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-16	10/03/2022		50.4000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-16	05/03/2023		12.1000	21.2000
Chemical Oxygen Demand	mg/L	MW-16	10/11/2023		28.7000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-16	05/08/2024		12.9000	21.2000
Chemical Oxygen Demand	mg/L	MW-16	10/29/2024		24.6000 *	21.2000
Chemical Oxygen Demand	mg/L	MW-16	04/16/2025		7.1400	21.2000
Chloride	mg/L	MW-16	04/20/2020		12.0000 *	7.3000
Chloride	mg/L	MW-16	10/20/2020		27.8000 *	7.3000
Chloride	mg/L	MW-16	04/26/2021		5.5000	7.3000
Chloride	mg/L	MW-16	08/16/2021		8.8000 *	7.3000
Chloride	mg/L	MW-16	06/01/2022		9.7300 *	7.3000
Chloride	mg/L	MW-16	10/03/2022		9.5800 *	7.3000
Chloride	mg/L	MW-16	05/03/2023		6.9500	7.3000
Chloride	mg/L	MW-16	10/11/2023		7.8900 *	7.3000
Chloride	mg/L	MW-16	05/08/2024		6.2700	7.3000
Chloride	mg/L	MW-16	10/29/2024		7.4000 *	7.3000
Chloride	mg/L	MW-16	04/16/2025		9.7500 *	7.3000
Specific Conductance	umhos/cm	MW-16	04/20/2020		1524.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	10/20/2020		1680.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	04/26/2021		1436.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	08/16/2021		1382.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	06/01/2022		1103.0000	1191.9785
Specific Conductance	umhos/cm	MW-16	10/03/2022		1134.0000	1191.9785
Specific Conductance	umhos/cm	MW-16	05/03/2023		1319.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	10/11/2023		1432.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	05/08/2024		1335.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	10/29/2024		1302.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-16	04/16/2025		1645.0000 *	1191.9785
Chloride	mg/L	MW-8	10/10/1996		12.0000 *	7.3000
Chloride	mg/L	MW-8	01/21/1997		12.0000 *	7.3000
Chloride	mg/L	MW-8	04/17/1997		13.0000 *	7.3000
Chloride	mg/L	MW-8	07/15/1997		15.0000 *	7.3000
Chloride	mg/L	MW-8	10/04/1997		11.0000 *	7.3000
Chloride	mg/L	MW-8	04/22/1998		11.0000 *	7.3000
Chloride	mg/L	MW-8	10/19/1998		12.0000 *	7.3000
Chloride	mg/L	MW-8	04/30/1999		12.0000 *	7.3000
Chloride	mg/L	MW-8	09/01/1999		10.0000 *	7.3000
Chloride	mg/L	MW-8	04/12/2000		8.4000 *	7.3000
Chloride	mg/L	MW-8	10/17/2000		6.2000	7.3000
Chloride	mg/L	MW-8	04/25/2001		9.4000 *	7.3000
Chloride	mg/L	MW-8	10/23/2001		21.6000 *	7.3000
Chloride	mg/L	MW-8	04/28/2002		55.4000 *	7.3000
Chloride	mg/L	MW-8	10/06/2002		26.7000 *	7.3000
Chloride	mg/L	MW-8	04/03/2003		14.2000 *	7.3000
Chloride	mg/L	MW-8	10/07/2003		21.6000 *	7.3000
Chloride	mg/L	MW-8	04/30/2004		14.3000 *	7.3000
Chloride	mg/L	MW-8	10/12/2004		22.8000 *	7.3000
Chloride	mg/L	MW-8	04/26/2005		36.0000 *	7.3000
Chloride	mg/L	MW-8	10/11/2005		37.2000 *	7.3000
Chloride	mg/L	MW-8	04/26/2006		23.9000 *	7.3000
Chloride	mg/L	MW-8	10/05/2006		23.0000 *	7.3000
Chloride	mg/L	MW-8	04/23/2007		24.1000 *	7.3000
Chloride	mg/L	MW-8	10/09/2007		30.2000 *	7.3000
Chloride	mg/L	MW-8	04/07/2008		34.0000 *	7.3000
Chloride	mg/L	MW-8	10/14/2008		32.5000 *	7.3000
Chloride	mg/L	MW-8	04/07/2009		23.3000 *	7.3000
Chloride	mg/L	MW-8	10/05/2009		20.5000 *	7.3000
Chloride	mg/L	MW-8	04/01/2010		14.5000 *	7.3000
Chloride	mg/L	MW-8	10/01/2010		16.9000 *	7.3000
Chloride	mg/L	MW-8	04/07/2011		19.6000 *	7.3000
Chloride	mg/L	MW-8	10/27/2011		16.0000 *	7.3000
Chloride	mg/L	MW-8	04/23/2012		13.5000 *	7.3000
Chloride	mg/L	MW-8	10/23/2012		12.3000 *	7.3000
Chloride	mg/L	MW-8	04/16/2013		11.9000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-8	10/28/2013		9.8600 *	7.3000
Chloride	mg/L	MW-8	04/24/2014		12.5000 *	7.3000
Chloride	mg/L	MW-8	10/06/2014		11.5000 *	7.3000
Chloride	mg/L	MW-8	04/21/2015		13.9000 *	7.3000
Chloride	mg/L	MW-8	10/05/2015		10.5000 *	7.3000
Chloride	mg/L	MW-8	04/26/2016		18.7000 *	7.3000
Chloride	mg/L	MW-8	10/05/2016		35.8000 *	7.3000
Chloride	mg/L	MW-8	04/04/2017		29.6000 *	7.3000
Chloride	mg/L	MW-8	10/10/2017		20.8000 *	7.3000
Chloride	mg/L	MW-8	04/11/2018		16.4000 *	7.3000
Chloride	mg/L	MW-8	10/30/2018		35.6000 *	7.3000
Chloride	mg/L	MW-8	04/01/2019		30.3000 *	7.3000
Chloride	mg/L	MW-8	10/08/2019		26.3000 *	7.3000
Chloride	mg/L	MW-8	04/20/2020		21.7000 *	7.3000
Chloride	mg/L	MW-8	10/20/2020		21.7000 *	7.3000
Chloride	mg/L	MW-8	04/26/2021		16.3000 *	7.3000
Chloride	mg/L	MW-8	08/16/2021		15.6000 *	7.3000
Chloride	mg/L	MW-8	06/01/2022		13.1000 *	7.3000
Chloride	mg/L	MW-8	10/03/2022		12.8000 *	7.3000
Chloride	mg/L	MW-8	05/03/2023		12.9000 *	7.3000
Chloride	mg/L	MW-8	10/11/2023		12.7000 *	7.3000
Chloride	mg/L	MW-8	05/08/2024		12.3000 *	7.3000
Chloride	mg/L	MW-8	10/29/2024		16.5000 *	7.3000
Chloride	mg/L	MW-8	04/16/2025		24.8000 *	7.3000
Specific Conductance	umhos/cm	MW-8	10/10/1996		923.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	01/21/1997		823.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/17/1997		896.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	07/15/1997		929.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/04/1997		888.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/22/1998		945.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/19/1998		1003.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/30/1999		1050.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	09/01/1999		1092.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/12/2000		970.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/17/2000		942.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/25/2001		1034.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/23/2001		538.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/28/2002		984.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/06/2002		895.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/03/2003		1060.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/07/2003		1115.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/30/2004		832.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/12/2004		563.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	04/26/2005		90.0000	1191.9785
Specific Conductance	umhos/cm	MW-8	10/11/2005		1529.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/26/2006		1337.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/05/2006		1351.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/23/2007		1258.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/09/2007		1402.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/07/2008		1574.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/14/2008		1366.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/07/2009		1331.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/05/2009		1271.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/01/2010		1312.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/01/2010		1321.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/07/2011		1215.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/27/2011		1269.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/23/2012		1223.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/23/2012		1427.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/16/2013		1419.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/28/2013		1362.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/24/2014		1345.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/06/2014		1339.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/21/2015		1389.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/05/2015		1380.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/26/2016		1442.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/05/2016		1585.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/04/2017		1326.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/10/2017		1245.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/11/2018		1232.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/30/2018		1473.0000 *	1191.9785

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Specific Conductance	umhos/cm	MW-8	04/01/2019		1507.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/08/2019		1564.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/20/2020		1622.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/20/2020		1557.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/26/2021		1618.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	08/16/2021		1834.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	06/01/2022		1466.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/03/2022		1456.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	05/03/2023		1390.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/11/2023		1393.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	05/08/2024		1290.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	10/29/2024		1248.0000 *	1191.9785
Specific Conductance	umhos/cm	MW-8	04/16/2025		1257.0000 *	1191.9785
Total Organic Halogens	ug/L	MW-8	10/04/1997		114.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	10/19/1998		56.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	09/01/1999		112.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	10/17/2000		103.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	10/23/2001		75.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/28/2002		77.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	10/06/2002		72.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/03/2003		74.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/30/2004		26.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/26/2005		71.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/26/2006		97.3000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/23/2007		83.8000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/07/2008		90.1000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/07/2009		91.4000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/01/2010		85.3000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/07/2011		109.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/23/2012		71.5000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/16/2013		67.6000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/24/2014		53.9000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/21/2015		72.9000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/26/2016		70.5000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/04/2017		105.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/11/2018		82.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/01/2019		76.5000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/20/2020	ND	40.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/26/2021		53.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	06/01/2022		46.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	05/03/2023		65.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	05/08/2024		157.0000 *	11.4000
Total Organic Halogens	ug/L	MW-8	04/16/2025	ND	60.0000	11.4000

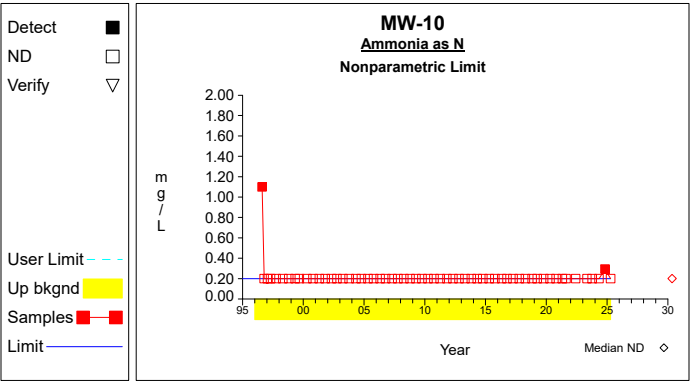
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

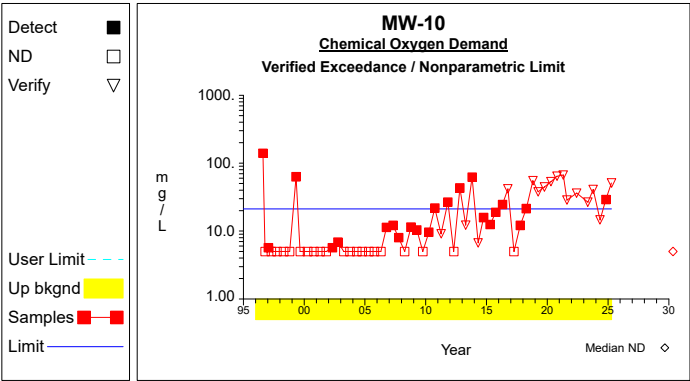
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

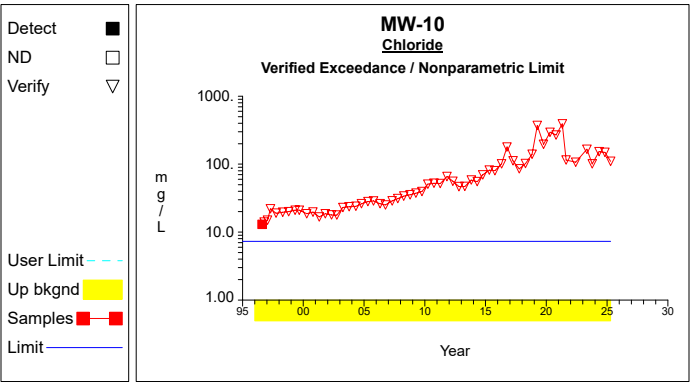
Up vs. Down Prediction Limits



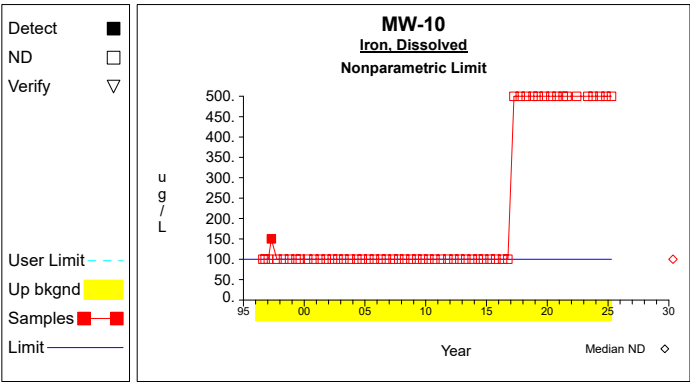
Graph 1



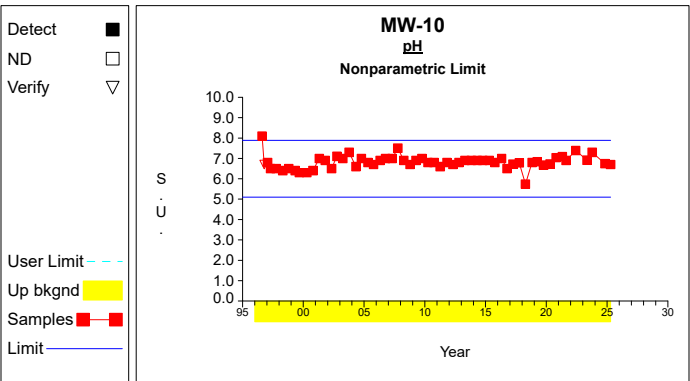
Graph 2



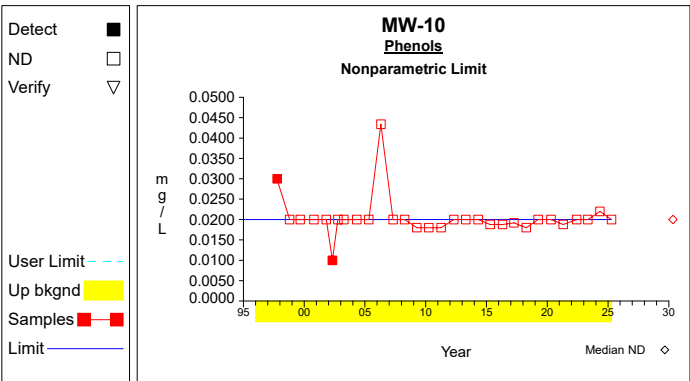
Graph 3



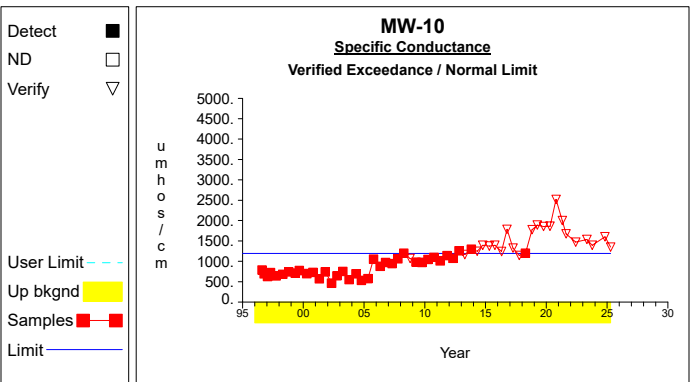
Graph 4



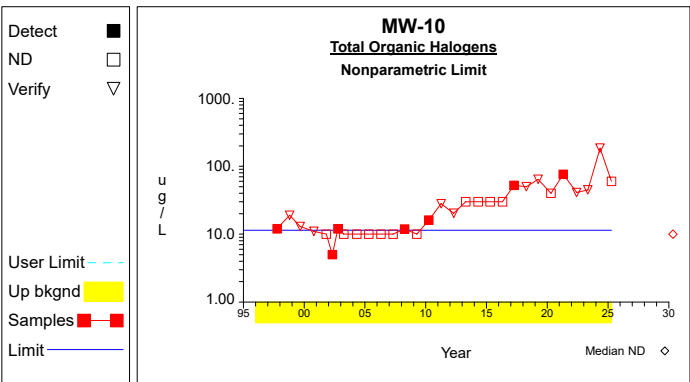
Graph 5



Graph 6

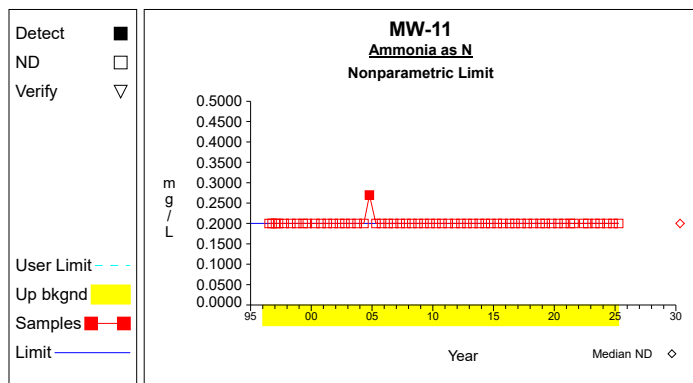


Graph 7

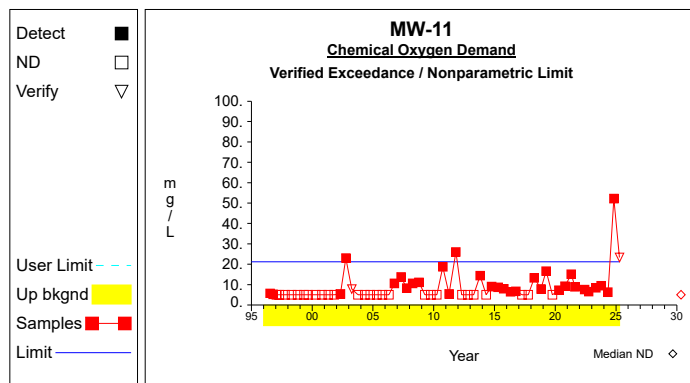


Graph 8

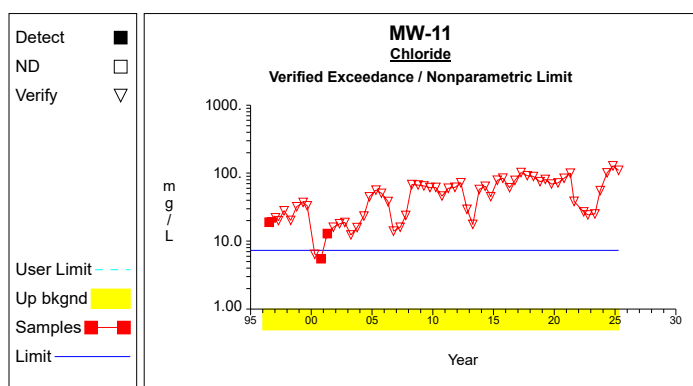
Up vs. Down Prediction Limits



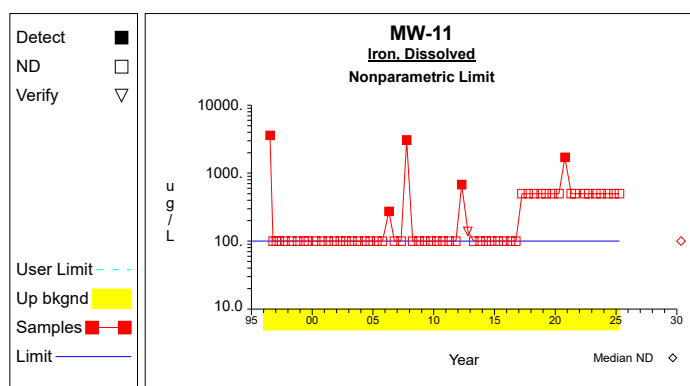
Graph 9



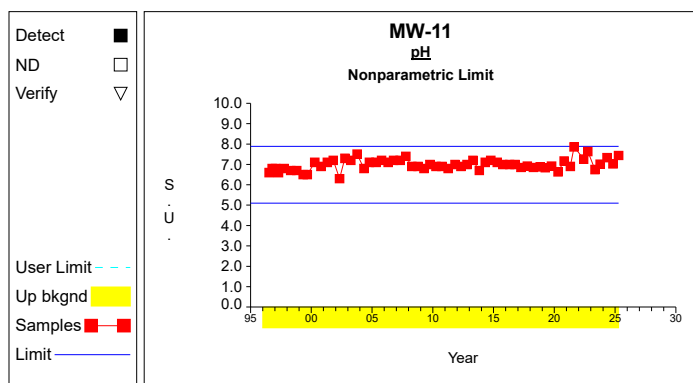
Graph 10



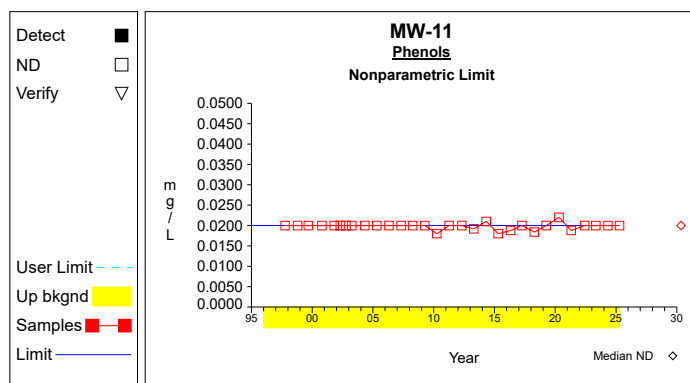
Graph 11



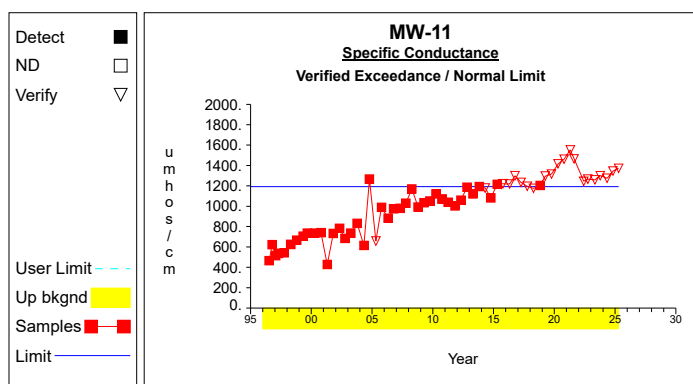
Graph 12



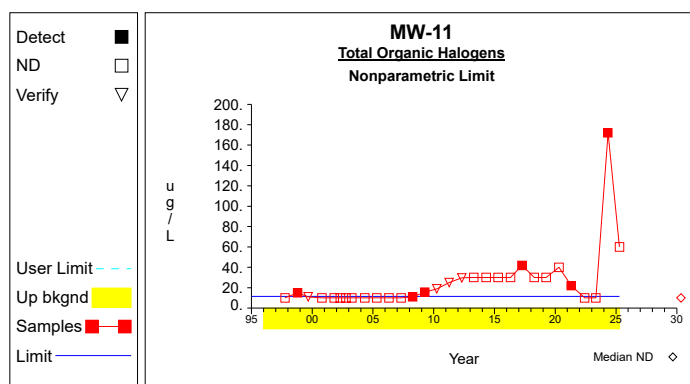
Graph 13



Graph 14

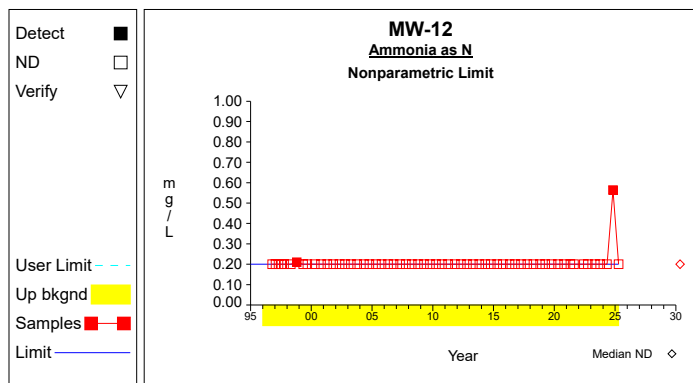


Graph 15

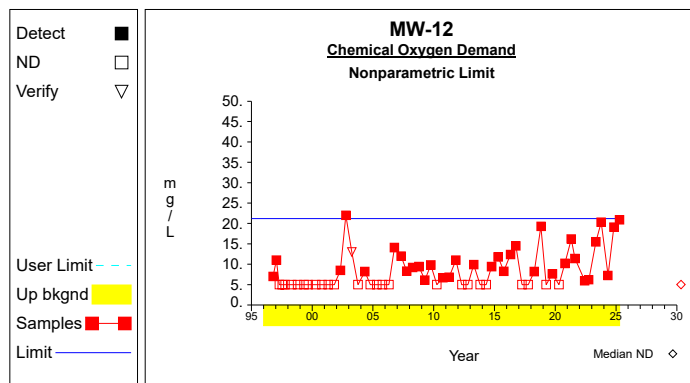


Graph 16

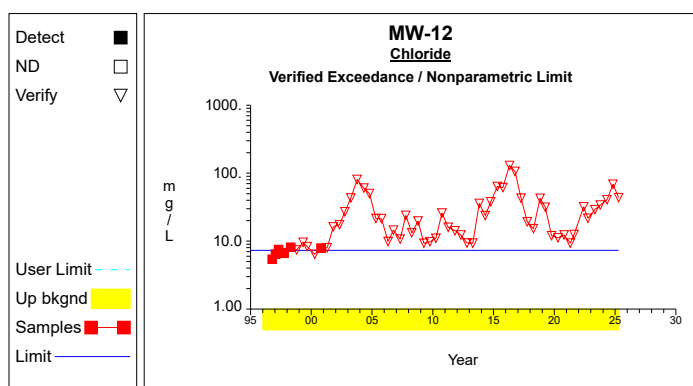
Up vs. Down Prediction Limits



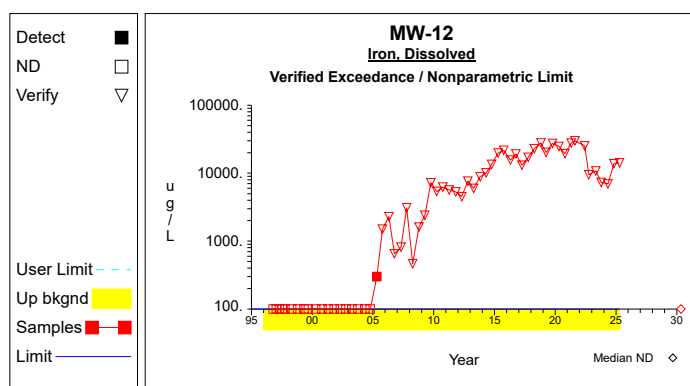
Graph 17



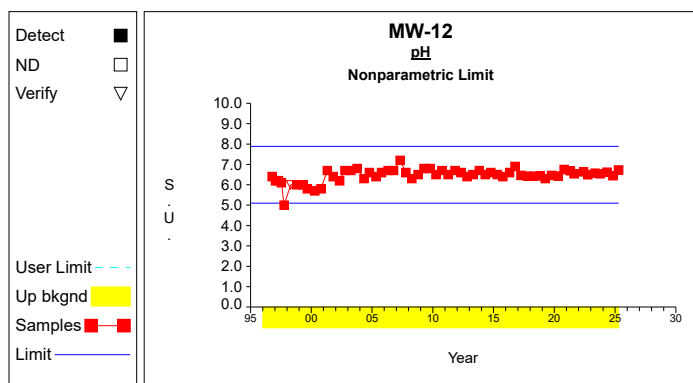
Graph 18



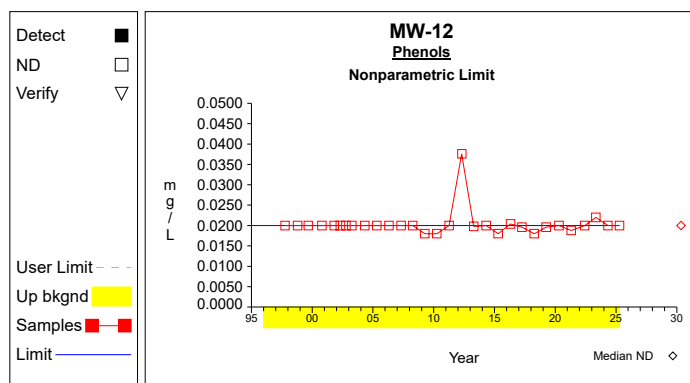
Graph 19



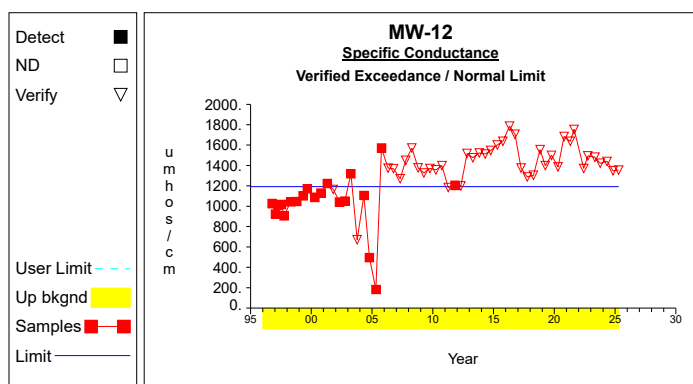
Graph 20



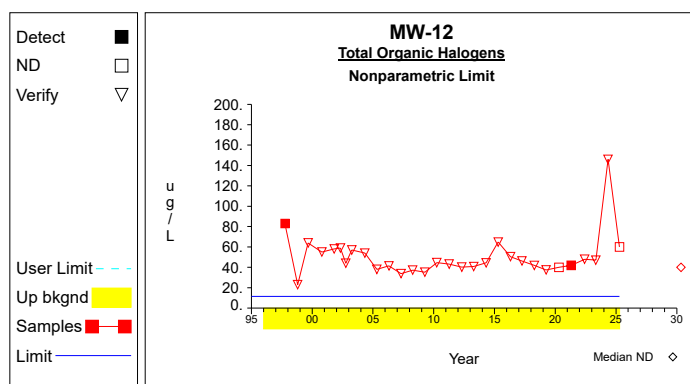
Graph 21



Graph 22

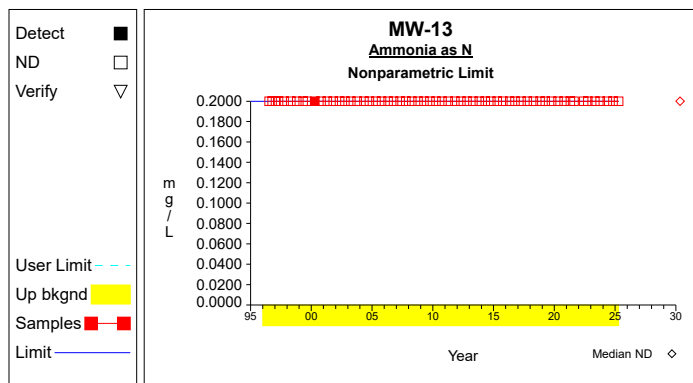


Graph 23

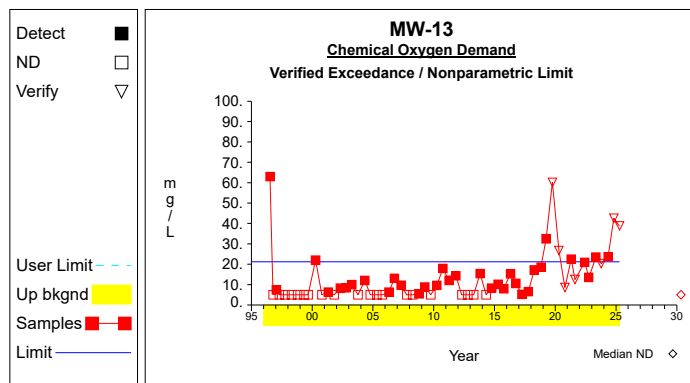


Graph 24

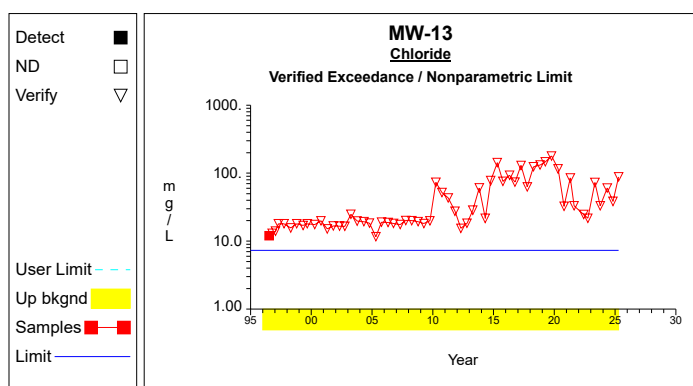
Up vs. Down Prediction Limits



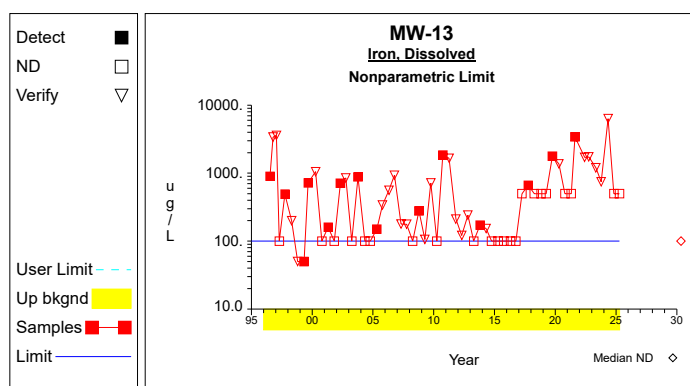
Graph 25



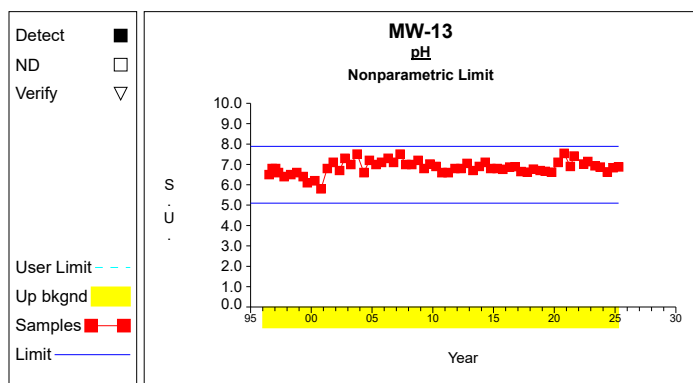
Graph 26



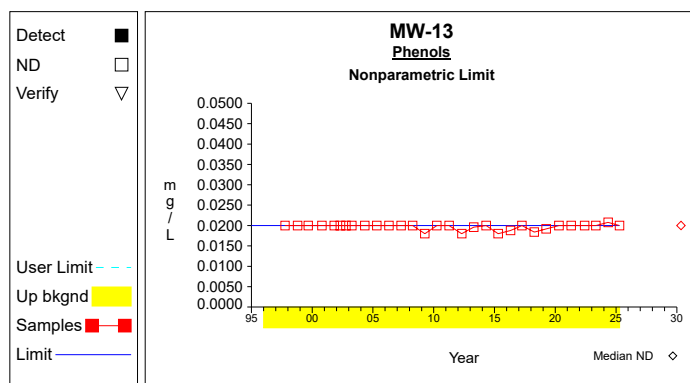
Graph 27



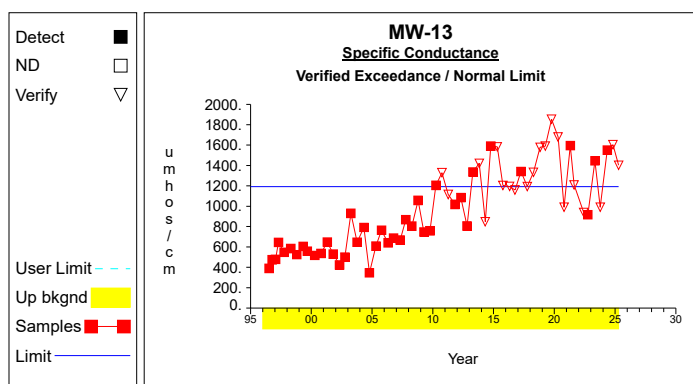
Graph 28



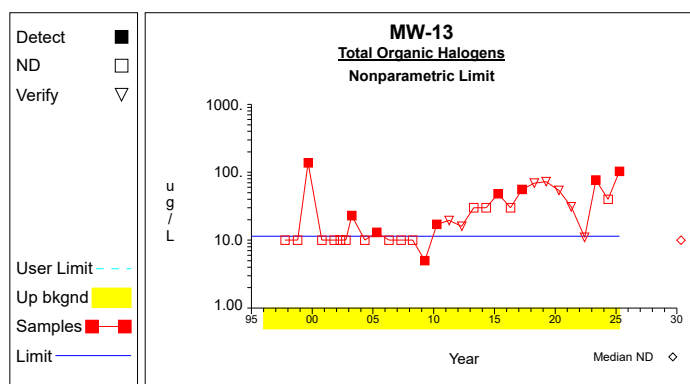
Graph 29



Graph 30

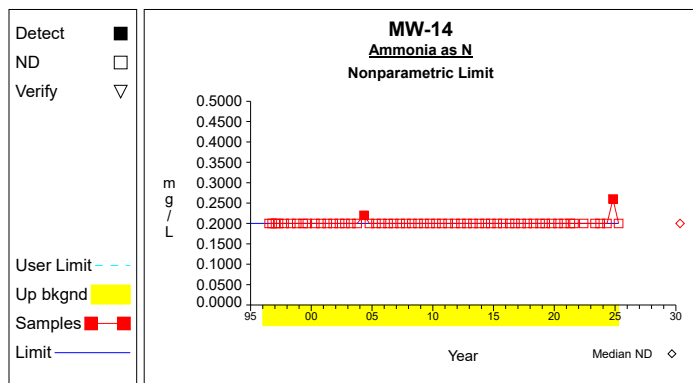


Graph 31

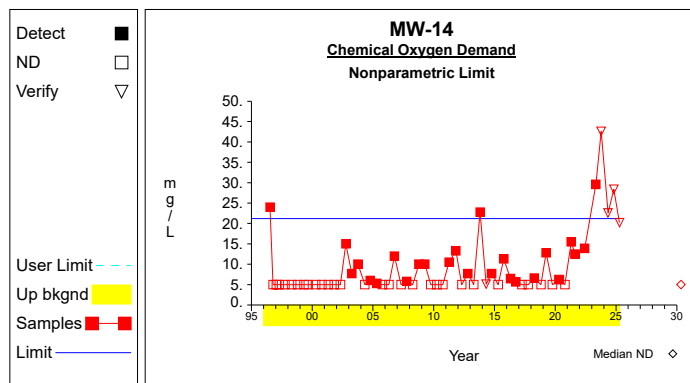


Graph 32

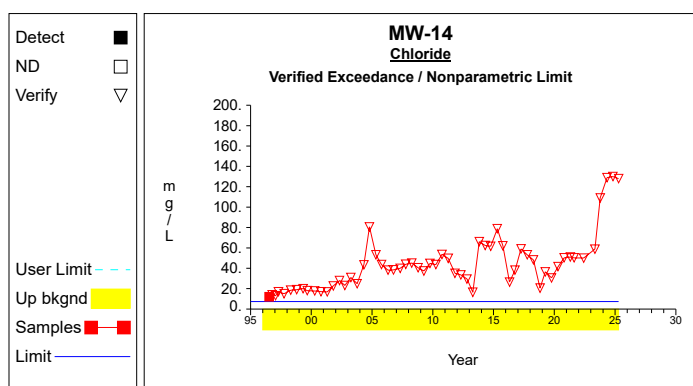
Up vs. Down Prediction Limits



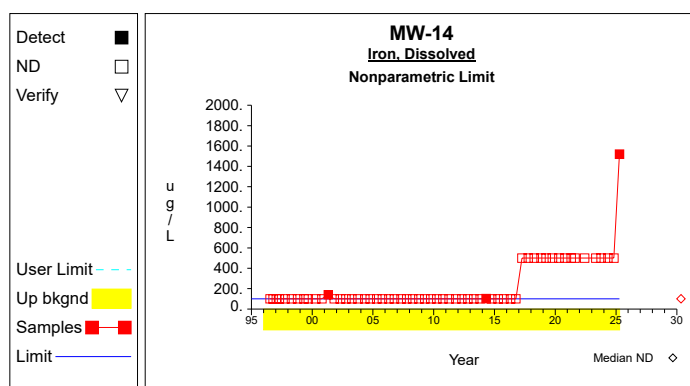
Graph 33



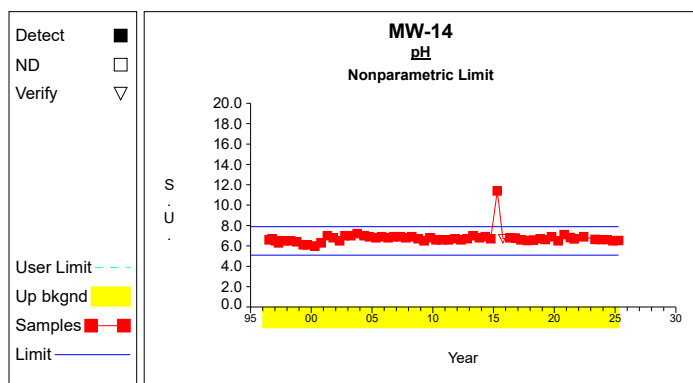
Graph 34



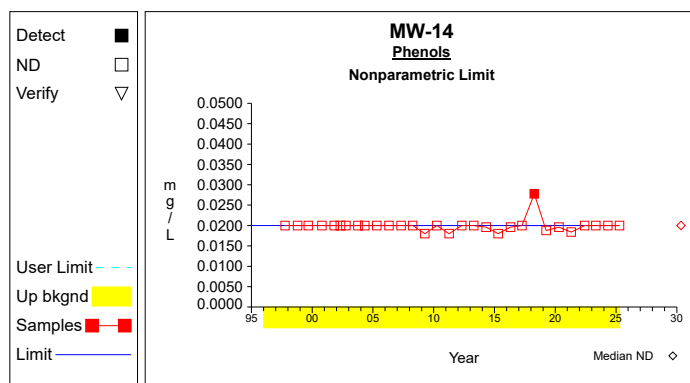
Graph 35



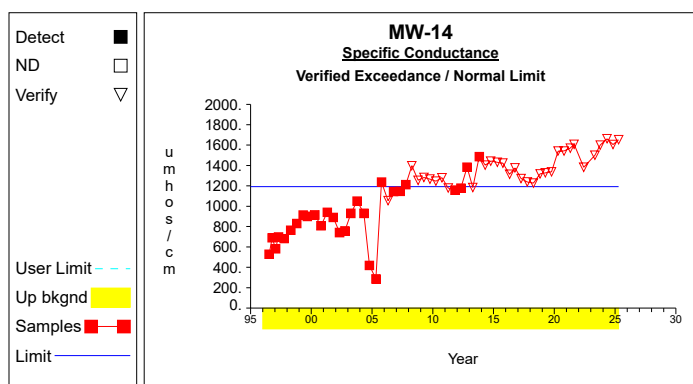
Graph 36



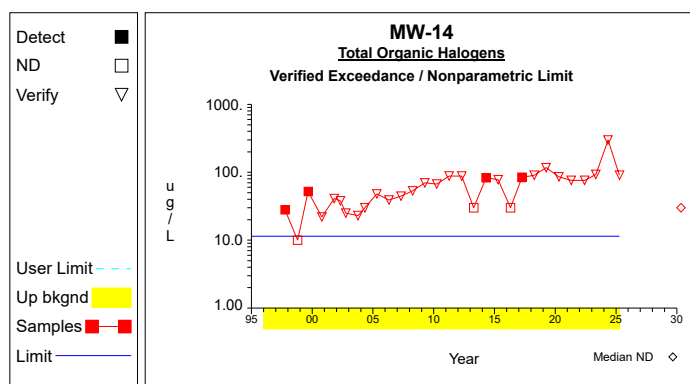
Graph 37



Graph 38

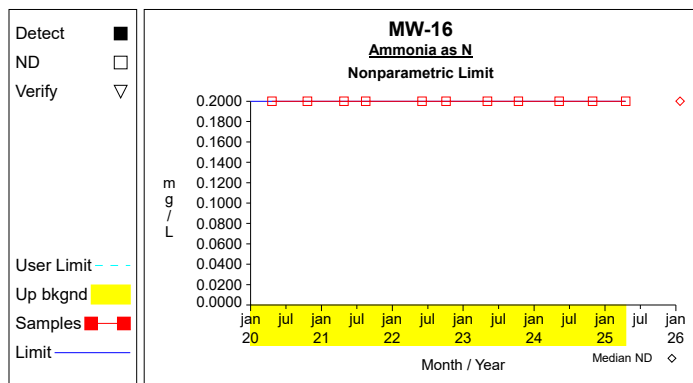


Graph 39

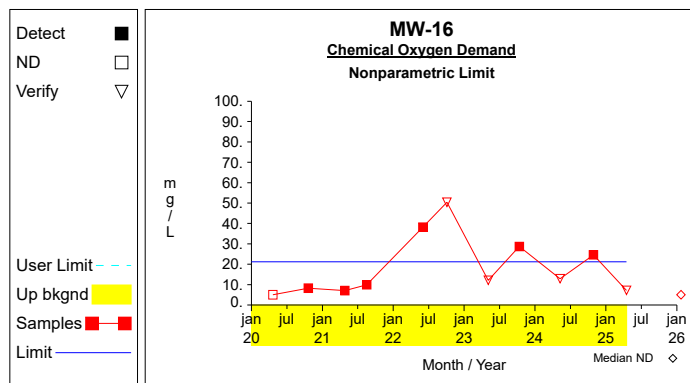


Graph 40

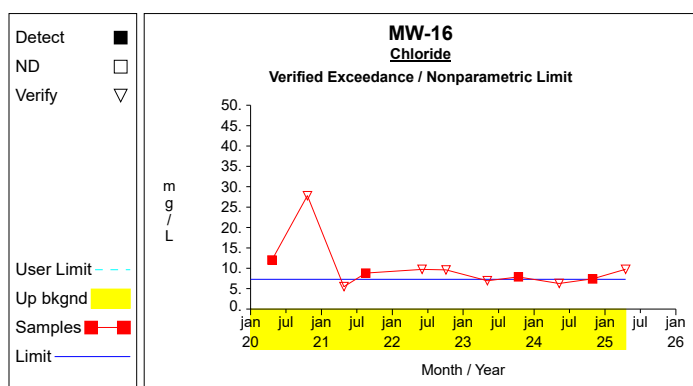
Up vs. Down Prediction Limits



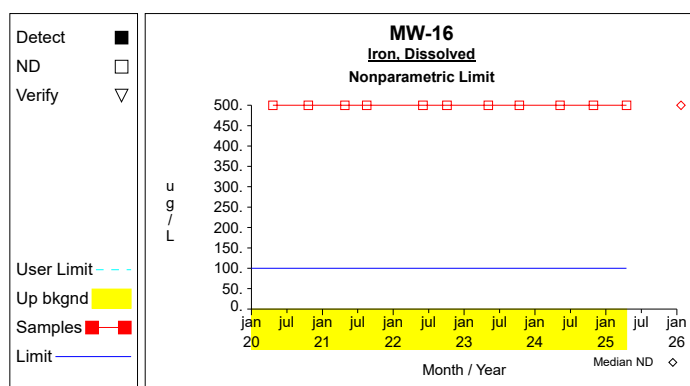
Graph 41



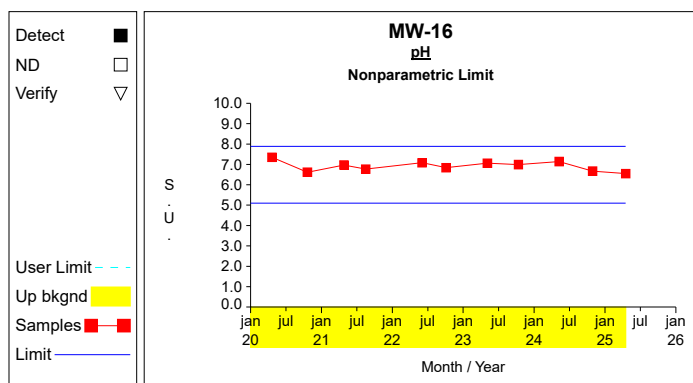
Graph 42



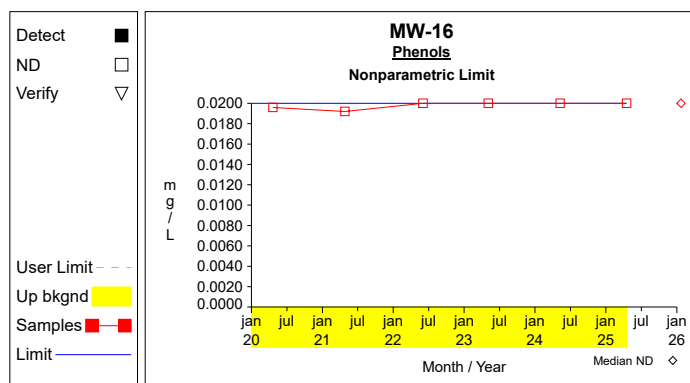
Graph 43



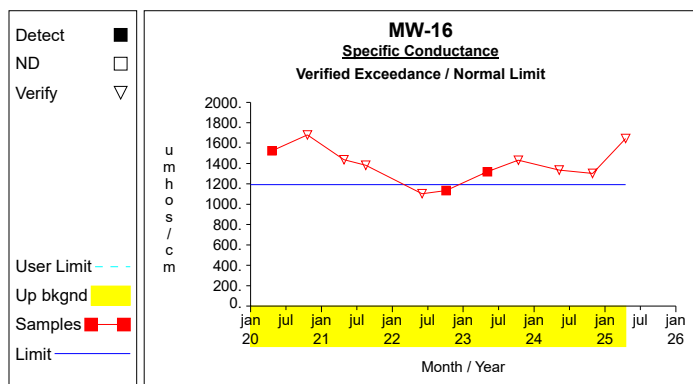
Graph 44



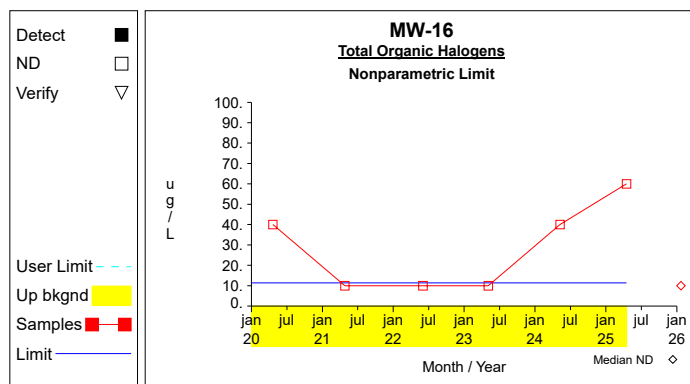
Graph 45



Graph 46

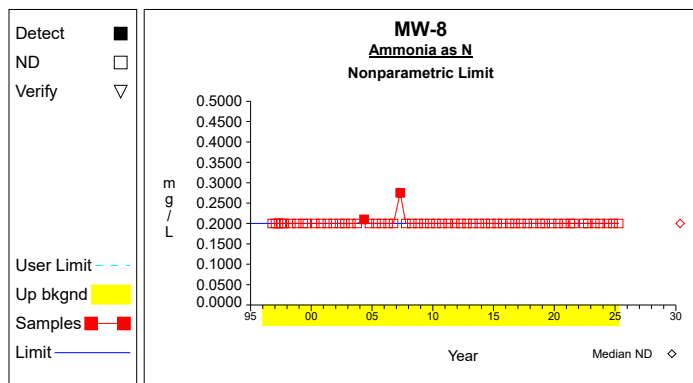


Graph 47

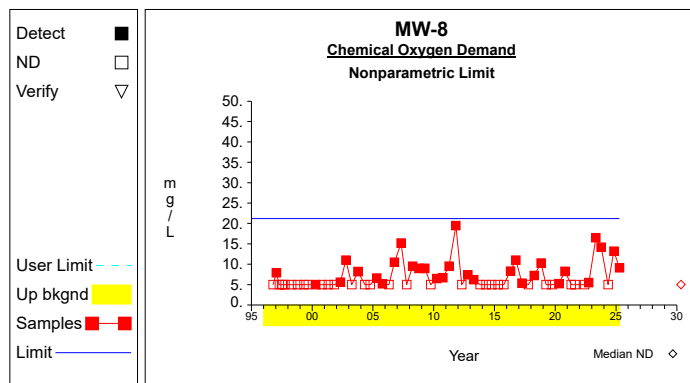


Graph 48

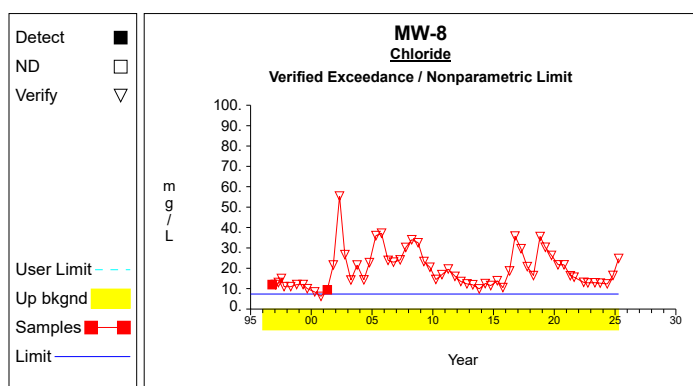
Up vs. Down Prediction Limits



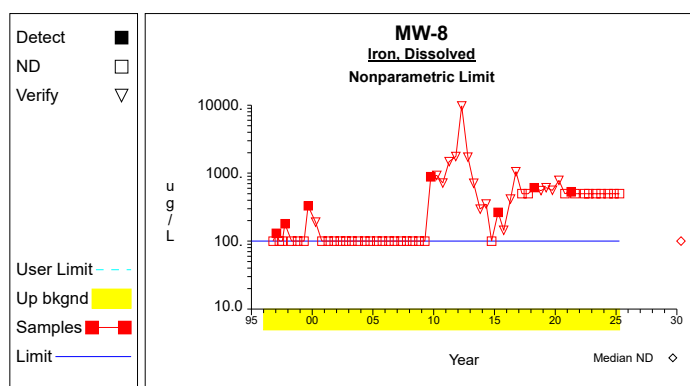
Graph 49



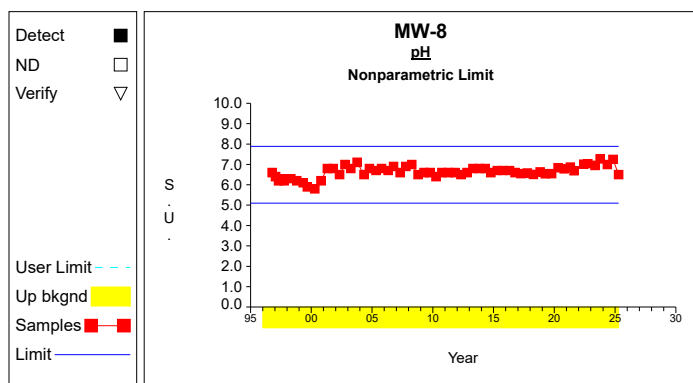
Graph 50



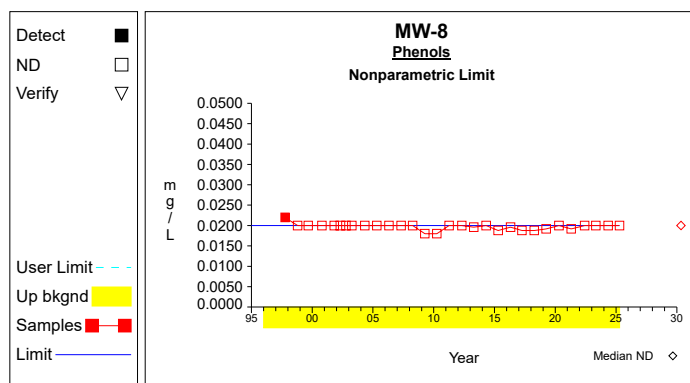
Graph 51



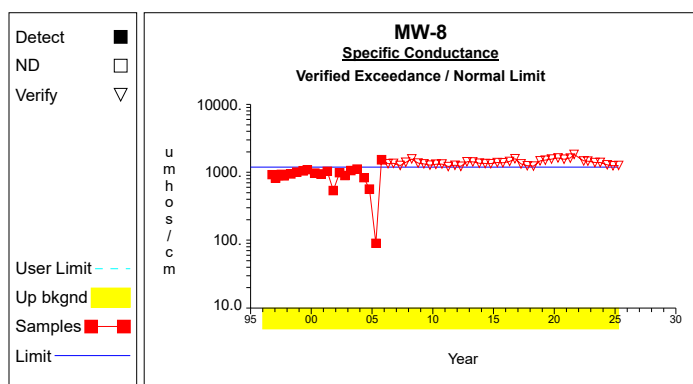
Graph 52



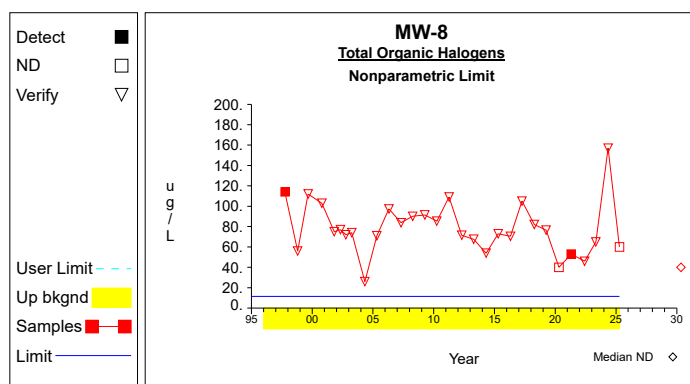
Graph 53



Graph 54

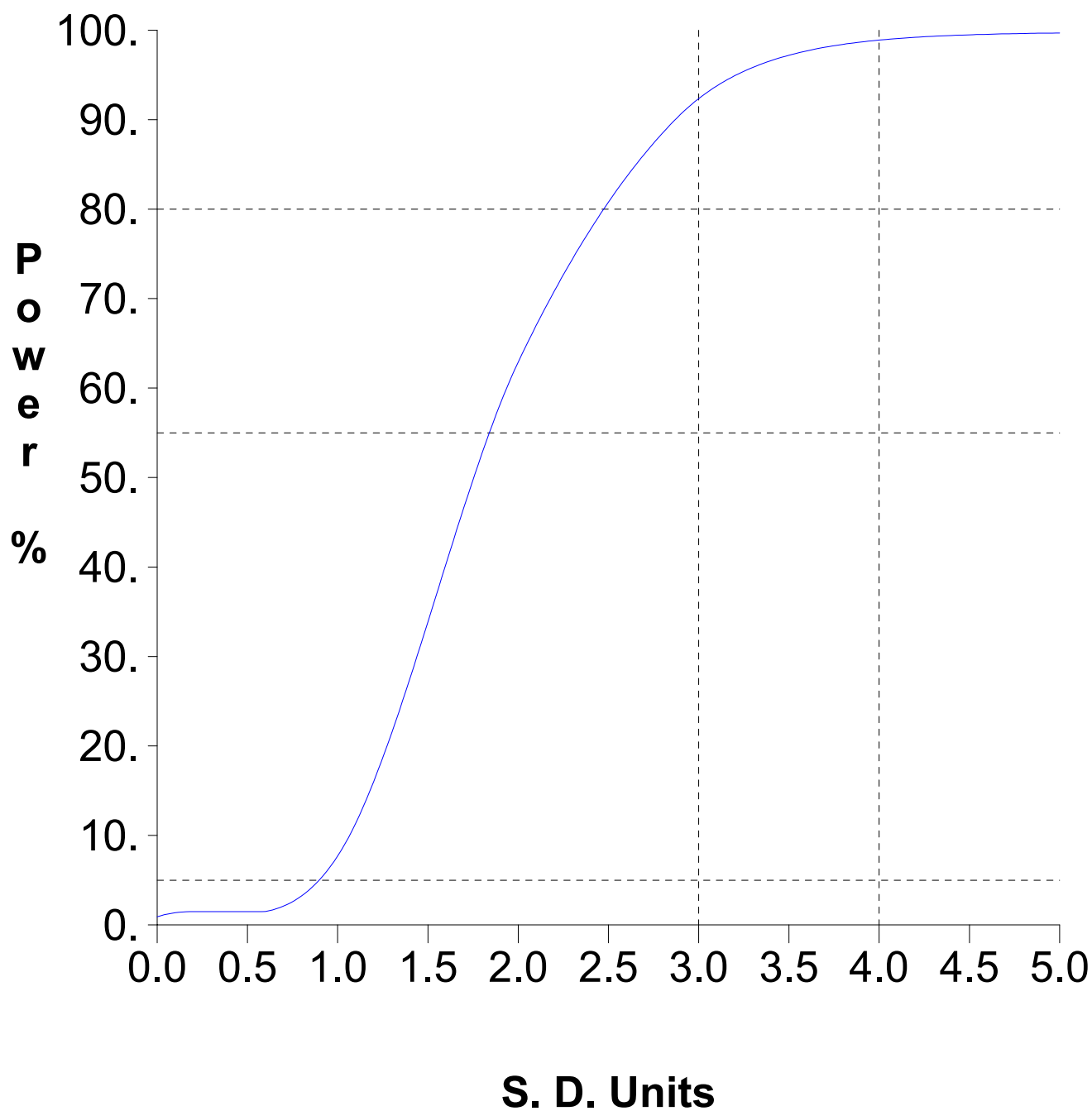


Graph 55



Graph 56

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment C

Historical VOC Detections in the Ground Water

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-10	10/27/2011		3.59	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/16/2013		4.18	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	10/28/2013		3.16	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/24/2014		2.79	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	10/06/2014		1.06	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/21/2015		3.37	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	10/05/2015		2.49	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	10/05/2016		1.01	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/04/2017		1.86	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	10/10/2017		3.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/11/2018		2.37	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/20/2020		5.16	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	10/20/2020		2.39	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/26/2021		1.17	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	8/16/2021		2.11	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	6/01/2022		2.16	1.00	ug/L
cis-1,2-Dichloroethene	MW-10	4/16/2025		2.14	1.00	ug/L
1,1,1-Trichloroethane	MW-11	10/10/1996		1.1	1.0	ug/L
1,1,1-Trichloroethane	MW-12	10/10/1996		1.8	1.0	ug/L
1,1,1-Trichloroethane	MW-12	1/21/1997		2.1	1.0	ug/L
1,1,1-Trichloroethane	MW-12	7/15/1997		1.9	1.0	ug/L
1,2-Dichloroethane	MW-12	4/30/2004		1.33	1.00	ug/L
Benzene	MW-12	1/21/1997		2.100	1.000	ug/L
Benzene	MW-12	4/17/1997		2.200	1.000	ug/L
Benzene	MW-12	7/15/1997		2.100	1.000	ug/L
Benzene	MW-12	10/04/1997		2.400	1.000	ug/L
Benzene	MW-12	4/22/1998		2.700	1.000	ug/L
Benzene	MW-12	10/19/1998		3.100	1.000	ug/L
Benzene	MW-12	4/30/1999		3.300	1.000	ug/L
Benzene	MW-12	9/01/1999		3.000	1.000	ug/L
Benzene	MW-12	4/12/2000		3.000	1.000	ug/L
Benzene	MW-12	10/17/2000		3.500	1.000	ug/L
Benzene	MW-12	4/25/2001		2.800	1.000	ug/L
Benzene	MW-12	10/23/2001		4.300	1.000	ug/L
Benzene	MW-12	4/28/2002		3.600	1.000	ug/L
Benzene	MW-12	10/06/2002		3.590	1.000	ug/L
Benzene	MW-12	10/07/2003		2.880	1.000	ug/L
Benzene	MW-12	10/12/2004		2.740	1.000	ug/L
Benzene	MW-12	4/26/2005		2.300	1.000	ug/L
Benzene	MW-12	10/11/2005		1.760	1.000	ug/L
Benzene	MW-12	4/26/2006		1.220	1.000	ug/L
Benzene	MW-12	10/05/2006		1.110	1.000	ug/L
Benzene	MW-12	4/23/2007		1.330	1.000	ug/L
Benzene	MW-12	10/09/2007		1.690	1.000	ug/L
Benzene	MW-12	4/07/2008		1.240	1.000	ug/L
Benzene	MW-12	10/14/2008		1.200	1.000	ug/L
Benzene	MW-12	4/07/2009		1.410	1.000	ug/L
Benzene	MW-12	10/05/2009		1.390	1.000	ug/L
Benzene	MW-12	4/01/2010		1.390	1.000	ug/L
Benzene	MW-12	10/01/2010		1.240	1.000	ug/L
Benzene	MW-12	4/07/2011		1.300	1.000	ug/L
Benzene	MW-12	10/27/2011		.920	.500	ug/L
Benzene	MW-12	4/23/2012		.940	.500	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-12	10/23/2012		.920	.500	ug/L
Benzene	MW-12	4/16/2013		1.050	1.000	ug/L
Benzene	MW-12	10/28/2013		1.200	1.000	ug/L
Benzene	MW-12	4/24/2014		1.330	1.000	ug/L
Benzene	MW-12	10/06/2014		1.070	1.000	ug/L
Benzene	MW-12	4/21/2015		1.320	1.000	ug/L
Benzene	MW-12	10/05/2015		1.620	1.000	ug/L
Benzene	MW-12	4/26/2016		1.490	1.000	ug/L
Benzene	MW-12	10/05/2016		1.350	1.000	ug/L
Benzene	MW-12	4/04/2017		1.340	1.000	ug/L
Benzene	MW-12	10/10/2017		1.650	1.000	ug/L
Benzene	MW-12	4/11/2018		1.610	1.000	ug/L
Benzene	MW-12	10/30/2018		1.520	1.000	ug/L
Benzene	MW-12	4/01/2019		1.450	1.000	ug/L
Benzene	MW-12	10/08/2019		1.870	1.000	ug/L
Benzene	MW-12	4/20/2020		1.860	1.000	ug/L
Benzene	MW-12	10/20/2020		2.010	1.000	ug/L
Benzene	MW-12	4/26/2021		1.840	1.000	ug/L
Benzene	MW-12	8/16/2021		1.950	1.000	ug/L
Benzene	MW-12	6/01/2022		.784	.500	ug/L
Benzene	MW-12	10/03/2022		1.460	1.000	ug/L
Benzene	MW-12	5/03/2023		1.270	.500	ug/L
Benzene	MW-12	10/11/2023		1.160	.500	ug/L
Benzene	MW-12	5/02/2024		1.190	.500	ug/L
Benzene	MW-12	10/29/2024		.804	.500	ug/L
Benzene	MW-12	4/16/2025		1.250	.500	ug/L
Benzene	MW-12	11/05/2025		1.410	.500	ug/L
cis-1,2-Dichloroethene	MW-12	10/27/2011		33.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/16/2013		58.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/28/2013		51.7	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/24/2014		57.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/06/2014		38.7	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/21/2015		40.6	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/05/2015		55.9	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/26/2016		42.8	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/05/2016		35.7	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/04/2017		37.4	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/10/2017		48.9	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/11/2018		50.4	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/30/2018		29.6	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/01/2019		34.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/08/2019		47.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/20/2020		52.4	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/20/2020		55.1	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/26/2021		49.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	8/16/2021		64.7	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	6/01/2022		31.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/03/2022		35.2	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	5/03/2023		31.9	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/11/2023		31.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	5/02/2024		32.5	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	10/29/2024		18.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-12	4/16/2025		33.4	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-12	11/05/2025		29.3	1.0	ug/L
Trichloroethene	MW-12	10/10/1996		2.80	1.00	ug/L
Trichloroethene	MW-12	1/21/1997		5.50	1.00	ug/L
Trichloroethene	MW-12	4/17/1997		4.90	1.00	ug/L
Trichloroethene	MW-12	7/15/1997		4.70	1.00	ug/L
Trichloroethene	MW-12	10/04/1997		4.70	1.00	ug/L
Trichloroethene	MW-12	4/22/1998		4.80	1.00	ug/L
Trichloroethene	MW-12	10/19/1998		5.40	1.00	ug/L
Trichloroethene	MW-12	4/30/1999		5.60	1.00	ug/L
Trichloroethene	MW-12	9/01/1999		4.80	1.00	ug/L
Trichloroethene	MW-12	4/12/2000		5.30	1.00	ug/L
Trichloroethene	MW-12	10/17/2000		5.40	1.00	ug/L
Trichloroethene	MW-12	4/25/2001		4.70	1.00	ug/L
Trichloroethene	MW-12	10/23/2001		5.60	1.00	ug/L
Trichloroethene	MW-12	4/28/2002		4.60	1.00	ug/L
Trichloroethene	MW-12	10/06/2002		5.35	1.00	ug/L
Trichloroethene	MW-12	10/07/2003		3.93	1.00	ug/L
Trichloroethene	MW-12	4/30/2004		6.57	1.00	ug/L
Trichloroethene	MW-12	10/12/2004		4.05	1.00	ug/L
Trichloroethene	MW-12	4/26/2005		3.60	1.00	ug/L
Trichloroethene	MW-12	10/11/2005		4.19	1.00	ug/L
Trichloroethene	MW-12	4/26/2006		2.95	1.00	ug/L
Trichloroethene	MW-12	10/05/2006		1.88	1.00	ug/L
Trichloroethene	MW-12	4/23/2007		1.36	1.00	ug/L
Trichloroethene	MW-12	10/09/2007		1.76	1.00	ug/L
Trichloroethene	MW-12	4/07/2008		1.33	1.00	ug/L
Trichloroethene	MW-12	10/14/2008		1.33	1.00	ug/L
Trichloroethene	MW-12	4/07/2009		1.31	1.00	ug/L
Trichloroethene	MW-12	10/05/2009		2.32	1.00	ug/L
Trichloroethene	MW-12	4/01/2010		2.68	1.00	ug/L
Trichloroethene	MW-12	10/01/2010		1.93	1.00	ug/L
Trichloroethene	MW-12	4/07/2011		2.40	1.00	ug/L
Trichloroethene	MW-12	10/27/2011		2.29	1.00	ug/L
Trichloroethene	MW-12	4/23/2012		2.04	1.00	ug/L
Trichloroethene	MW-12	10/23/2012		2.60	1.00	ug/L
Trichloroethene	MW-12	4/16/2013		3.03	1.00	ug/L
Trichloroethene	MW-12	10/28/2013		2.44	1.00	ug/L
Trichloroethene	MW-12	4/24/2014		2.46	1.00	ug/L
Trichloroethene	MW-12	10/06/2014		1.88	1.00	ug/L
Trichloroethene	MW-12	4/21/2015		1.77	1.00	ug/L
Trichloroethene	MW-12	10/05/2015		2.37	1.00	ug/L
Trichloroethene	MW-12	10/05/2016		1.36	1.00	ug/L
Trichloroethene	MW-12	4/04/2017		1.41	1.00	ug/L
Trichloroethene	MW-12	10/10/2017		1.50	1.00	ug/L
Trichloroethene	MW-12	4/11/2018		1.23	1.00	ug/L
Trichloroethene	MW-12	4/01/2019		1.18	1.00	ug/L
Trichloroethene	MW-12	10/20/2020		1.54	1.00	ug/L
Vinyl Chloride	MW-12	10/27/2011		1.46	1.00	ug/L
Vinyl Chloride	MW-12	4/16/2013		2.51	1.00	ug/L
Vinyl Chloride	MW-12	10/28/2013		2.15	1.00	ug/L
Vinyl Chloride	MW-12	4/24/2014		2.70	1.00	ug/L
Vinyl Chloride	MW-12	10/06/2014		2.36	1.00	ug/L
Vinyl Chloride	MW-12	4/21/2015		2.03	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl Chloride	MW-12	10/05/2015		2.59	1.00	ug/L
Vinyl Chloride	MW-12	4/26/2016		2.73	1.00	ug/L
Vinyl Chloride	MW-12	10/05/2016		4.56	1.00	ug/L
Vinyl Chloride	MW-12	4/04/2017		3.29	1.00	ug/L
Vinyl Chloride	MW-12	10/10/2017		5.18	1.00	ug/L
Vinyl Chloride	MW-12	4/11/2018		4.48	1.00	ug/L
Vinyl Chloride	MW-12	10/30/2018		9.14	1.00	ug/L
Vinyl Chloride	MW-12	4/01/2019		8.96	1.00	ug/L
Vinyl Chloride	MW-12	10/08/2019		6.50	1.00	ug/L
Vinyl Chloride	MW-12	4/20/2020		4.90	1.00	ug/L
Vinyl Chloride	MW-12	10/20/2020		5.41	1.00	ug/L
Vinyl Chloride	MW-12	4/26/2021		3.57	1.00	ug/L
Vinyl Chloride	MW-12	8/16/2021		4.08	1.00	ug/L
Vinyl Chloride	MW-12	6/01/2022		1.56	1.00	ug/L
Vinyl Chloride	MW-12	10/03/2022		7.15	1.00	ug/L
Vinyl Chloride	MW-12	5/03/2023		4.19	1.00	ug/L
Vinyl Chloride	MW-12	10/11/2023		3.56	1.00	ug/L
Vinyl Chloride	MW-12	5/02/2024		4.30	1.00	ug/L
Vinyl Chloride	MW-12	10/29/2024		5.48	1.00	ug/L
Vinyl Chloride	MW-12	4/16/2025		4.04	1.00	ug/L
Vinyl Chloride	MW-12	11/05/2025		5.38	1.00	ug/L
cis-1,2-Dichloroethene	MW-13	10/27/2011		5.56	1.00	ug/L
1,1,1-Trichloroethane	MW-14	10/10/1996		4.20	1.00	ug/L
1,1,1-Trichloroethane	MW-14	1/21/1997		3.30	1.00	ug/L
1,1,1-Trichloroethane	MW-14	10/12/2004		1.79	1.00	ug/L
1,1,1-Trichloroethane	MW-14	4/26/2005		1.42	1.00	ug/L
1,1,1-Trichloroethane	MW-14	10/11/2005		1.29	1.00	ug/L
1,1,1-Trichloroethane	MW-14	10/05/2006		1.13	1.00	ug/L
1,1,1-Trichloroethane	MW-14	4/23/2007		1.24	1.00	ug/L
1,1,1-Trichloroethane	MW-14	10/09/2007		1.04	1.00	ug/L
1,2-Dichloroethane	MW-14	10/04/1997		.41	.40	ug/L
1,2-Dichloroethane	MW-14	10/19/1998		.54	.40	ug/L
1,2-Dichloroethane	MW-14	4/30/1999		1.10	1.00	ug/L
1,2-Dichloroethane	MW-14	4/25/2001		.40	.40	ug/L
1,2-Dichloroethane	MW-14	10/23/2001		.50	.40	ug/L
1,2-Dichloropropane	MW-14	4/04/2017		1.08	1.00	ug/L
1,2-Dichloropropane	MW-14	10/10/2017		1.42	1.00	ug/L
1,2-Dichloropropane	MW-14	4/11/2018		1.13	1.00	ug/L
1,2-Dichloropropane	MW-14	10/20/2020		1.17	1.00	ug/L
1,2-Dichloropropane	MW-14	4/26/2021		1.03	1.00	ug/L
1,2-Dichloropropane	MW-14	8/16/2021		1.55	1.00	ug/L
Benzene	MW-14	4/30/2004		2.690	.500	ug/L
Benzene	MW-14	10/01/2010		.530	.500	ug/L
Benzene	MW-14	4/07/2011		.620	.500	ug/L
Benzene	MW-14	10/27/2011		.560	.500	ug/L
Benzene	MW-14	4/23/2012		.610	.500	ug/L
Benzene	MW-14	4/04/2017		.644	.500	ug/L
Benzene	MW-14	10/10/2017		.781	.500	ug/L
Benzene	MW-14	4/11/2018		.592	.500	ug/L
Benzene	MW-14	4/01/2019		.561	.500	ug/L
Benzene	MW-14	10/08/2019		.627	.500	ug/L
Benzene	MW-14	4/20/2020		.628	.500	ug/L
Benzene	MW-14	10/20/2020		.713	.500	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-14	5/02/2024		.678	.500	ug/L
Benzene	MW-14	10/29/2024		.531	.500	ug/L
Benzene	MW-14	11/05/2025		.562	.500	ug/L
cis-1,2-Dichloroethene	MW-14	10/27/2011		49.8	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/16/2013		19.2	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/28/2013		52.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/24/2014		42.2	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/06/2014		34.7	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/21/2015		27.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/05/2015		34.7	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/26/2016		11.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/05/2016		29.1	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/04/2017		49.6	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/10/2017		69.2	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/11/2018		59.8	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/30/2018		21.4	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/01/2019		45.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/08/2019		54.4	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/20/2020		63.6	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/20/2020		73.2	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/26/2021		56.1	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	8/16/2021		74.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	6/01/2022		33.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	5/03/2023		36.6	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/11/2023		41.6	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	5/02/2024		49.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	10/29/2024		39.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	4/16/2025		45.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-14	11/05/2025		50.0	1.0	ug/L
Methylene Chloride	MW-14	10/27/2011		7.72	1.00	ug/L
Methylene Chloride	MW-14	10/28/2013		7.93	1.00	ug/L
Methylene Chloride	MW-14	4/24/2014		7.85	1.00	ug/L
Methylene Chloride	MW-14	10/06/2014		6.97	1.00	ug/L
Methylene Chloride	MW-14	10/05/2015		7.07	1.00	ug/L
Methylene Chloride	MW-14	10/05/2016		10.20	1.00	ug/L
Trichloroethene	MW-14	7/12/1996		3.10	1.00	ug/L
Trichloroethene	MW-14	1/21/1997		1.20	1.00	ug/L
Trichloroethene	MW-14	4/17/1997		1.50	1.00	ug/L
Trichloroethene	MW-14	10/04/1997		1.30	1.00	ug/L
Trichloroethene	MW-14	4/22/1998		1.10	1.00	ug/L
Trichloroethene	MW-14	10/19/1998		1.60	1.00	ug/L
Trichloroethene	MW-14	4/30/1999		2.10	1.00	ug/L
Trichloroethene	MW-14	9/01/1999		1.40	1.00	ug/L
Trichloroethene	MW-14	4/12/2000		1.70	1.00	ug/L
Trichloroethene	MW-14	4/25/2001		1.10	1.00	ug/L
Trichloroethene	MW-14	10/23/2001		1.10	1.00	ug/L
Trichloroethene	MW-14	4/28/2002		1.10	1.00	ug/L
Trichloroethene	MW-14	4/30/2004		4.25	1.00	ug/L
Trichloroethene	MW-14	10/05/2009		1.10	1.00	ug/L
Trichloroethene	MW-14	10/01/2010		1.09	1.00	ug/L
Trichloroethene	MW-14	4/07/2011		1.43	1.00	ug/L
Trichloroethene	MW-14	10/27/2011		1.40	1.00	ug/L
Trichloroethene	MW-14	4/23/2012		3.52	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethene	MW-14	10/23/2012		2.10	1.00	ug/L
Trichloroethene	MW-14	10/28/2013		1.75	1.00	ug/L
Trichloroethene	MW-14	4/24/2014		1.14	1.00	ug/L
Trichloroethene	MW-14	4/11/2018		1.13	1.00	ug/L
cis-1,2-Dichloroethene	MW-16	5/08/2024		8.66	1.00	ug/L
Tetrachloroethene	MW-16	8/16/2021		1.00	1.00	ug/L
Tetrachloroethene	MW-16	5/08/2024		1.55	1.00	ug/L
1,1,1-Trichloroethane	MW-17	4/30/2004		1.44	1.00	ug/L
1,2-Dichloroethane	MW-7	7/12/1996		10.60	1.00	ug/L
1,2-Dichloroethane	MW-7	10/10/1996		16.60	1.00	ug/L
1,2-Dichloroethane	MW-7	10/11/2023		1.29	1.00	ug/L
1,2-Dichloroethane	MW-7	5/08/2024		1.85	1.00	ug/L
1,2-Dichloroethane	MW-7	4/16/2025		1.24	1.00	ug/L
1,2-Dichloroethane	MW-7	11/05/2025		1.07	1.00	ug/L
1,2-Dichloropropane	MW-7	10/27/2011		7.44	1.00	ug/L
1,2-Dichloropropane	MW-7	4/16/2013		10.10	1.00	ug/L
1,2-Dichloropropane	MW-7	10/28/2013		10.60	1.00	ug/L
1,2-Dichloropropane	MW-7	4/24/2014		10.80	1.00	ug/L
1,2-Dichloropropane	MW-7	10/06/2014		8.45	1.00	ug/L
1,2-Dichloropropane	MW-7	4/21/2015		9.46	1.00	ug/L
1,2-Dichloropropane	MW-7	10/05/2015		11.20	1.00	ug/L
1,2-Dichloropropane	MW-7	4/26/2016		8.86	1.00	ug/L
1,2-Dichloropropane	MW-7	10/05/2016		3.19	1.00	ug/L
1,2-Dichloropropane	MW-7	4/04/2017		6.16	1.00	ug/L
1,2-Dichloropropane	MW-7	10/10/2017		9.31	1.00	ug/L
1,2-Dichloropropane	MW-7	4/11/2018		9.81	1.00	ug/L
1,2-Dichloropropane	MW-7	10/30/2018		8.62	1.00	ug/L
1,2-Dichloropropane	MW-7	4/01/2019		5.10	1.00	ug/L
1,2-Dichloropropane	MW-7	10/08/2019		7.25	1.00	ug/L
1,2-Dichloropropane	MW-7	4/20/2020		10.00	1.00	ug/L
1,2-Dichloropropane	MW-7	10/20/2020		9.41	1.00	ug/L
1,2-Dichloropropane	MW-7	4/26/2021		7.34	1.00	ug/L
1,2-Dichloropropane	MW-7	8/16/2021		13.50	1.00	ug/L
1,2-Dichloropropane	MW-7	6/01/2022		10.60	1.00	ug/L
1,2-Dichloropropane	MW-7	10/03/2022		11.80	1.00	ug/L
1,2-Dichloropropane	MW-7	5/03/2023		12.50	1.00	ug/L
1,2-Dichloropropane	MW-7	10/11/2023		12.90	1.00	ug/L
1,2-Dichloropropane	MW-7	5/08/2024		12.50	1.00	ug/L
1,2-Dichloropropane	MW-7	10/29/2024		5.70	1.00	ug/L
1,2-Dichloropropane	MW-7	4/16/2025		8.35	1.00	ug/L
1,2-Dichloropropane	MW-7	11/05/2025		7.36	1.00	ug/L
Benzene	MW-7	10/04/1997		.750	.500	ug/L
Benzene	MW-7	4/22/1998		.740	.500	ug/L
Benzene	MW-7	10/19/1998		.810	.500	ug/L
Benzene	MW-7	4/30/1999		.800	.500	ug/L
Benzene	MW-7	4/12/2000		.800	.500	ug/L
Benzene	MW-7	4/25/2001		.600	.500	ug/L
Benzene	MW-7	10/23/2001		1.000	1.000	ug/L
Benzene	MW-7	4/28/2002		.500	.500	ug/L
Benzene	MW-7	10/07/2003		.560	.500	ug/L
Benzene	MW-7	4/30/2004		.600	.500	ug/L
Benzene	MW-7	10/12/2004		.660	.500	ug/L
Benzene	MW-7	10/05/2006		.540	.500	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Benzene	MW-7	4/23/2007		.830	.500	ug/L
Benzene	MW-7	10/09/2007		1.110	1.000	ug/L
Benzene	MW-7	4/07/2008		.724	.500	ug/L
Benzene	MW-7	10/14/2008		1.010	1.000	ug/L
Benzene	MW-7	4/07/2009		.680	.500	ug/L
Benzene	MW-7	10/05/2009		1.420	1.000	ug/L
Benzene	MW-7	4/01/2010		2.040	.500	ug/L
Benzene	MW-7	10/01/2010		2.050	.500	ug/L
Benzene	MW-7	4/07/2011		2.160	.500	ug/L
Benzene	MW-7	10/27/2011		1.760	1.000	ug/L
Benzene	MW-7	4/23/2012		2.660	.500	ug/L
Benzene	MW-7	10/23/2012		1.660	1.000	ug/L
Benzene	MW-7	4/16/2013		2.170	.500	ug/L
Benzene	MW-7	10/28/2013		1.230	1.000	ug/L
Benzene	MW-7	4/24/2014		.549	.500	ug/L
Benzene	MW-7	10/06/2014		.913	.500	ug/L
Benzene	MW-7	4/21/2015		.694	.500	ug/L
Benzene	MW-7	10/05/2015		.721	.500	ug/L
Benzene	MW-7	4/26/2016		.674	.500	ug/L
Benzene	MW-7	4/04/2017		.662	.500	ug/L
Benzene	MW-7	10/10/2017		1.220	1.000	ug/L
Benzene	MW-7	4/11/2018		.958	.500	ug/L
Benzene	MW-7	10/30/2018		.896	.500	ug/L
Benzene	MW-7	4/01/2019		.580	.500	ug/L
Benzene	MW-7	10/08/2019		.655	.500	ug/L
Benzene	MW-7	4/20/2020		.813	.500	ug/L
Benzene	MW-7	10/20/2020		.949	.500	ug/L
Benzene	MW-7	8/16/2021		.783	.500	ug/L
Benzene	MW-7	5/03/2023		.716	.500	ug/L
Benzene	MW-7	10/11/2023		.878	.500	ug/L
Benzene	MW-7	5/08/2024		.879	.500	ug/L
Benzene	MW-7	10/29/2024		.759	.500	ug/L
Benzene	MW-7	4/16/2025		.872	.500	ug/L
Benzene	MW-7	11/05/2025		.783	.500	ug/L
cis-1,2-Dichloroethene	MW-7	10/27/2011		88.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/16/2013		159.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/28/2013		145.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/24/2014		132.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/06/2014		138.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/21/2015		159.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/05/2015		160.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/26/2016		128.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/05/2016		46.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/04/2017		112.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/10/2017		158.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/11/2018		152.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/30/2018		113.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/01/2019		66.3	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/08/2019		117.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/20/2020		193.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/20/2020		198.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/26/2021		112.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	8/16/2021		240.0	1.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-7	6/01/2022		147.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/03/2022		168.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	5/03/2023		174.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/11/2023		203.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	5/08/2024		216.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	10/29/2024		131.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	4/16/2025		175.0	1.0	ug/L
cis-1,2-Dichloroethene	MW-7	11/05/2025		171.0	1.0	ug/L
Tetrachloroethene	MW-7	10/27/2011		10.30	1.00	ug/L
Tetrachloroethene	MW-7	4/16/2013		10.60	1.00	ug/L
Tetrachloroethene	MW-7	10/28/2013		4.45	1.00	ug/L
Tetrachloroethene	MW-7	10/06/2014		9.50	1.00	ug/L
Tetrachloroethene	MW-7	4/21/2015		1.62	1.00	ug/L
Tetrachloroethene	MW-7	10/05/2015		7.31	1.00	ug/L
Tetrachloroethene	MW-7	4/26/2016		4.25	1.00	ug/L
Tetrachloroethene	MW-7	10/05/2016		3.22	1.00	ug/L
Tetrachloroethene	MW-7	4/04/2017		3.87	1.00	ug/L
Tetrachloroethene	MW-7	10/10/2017		3.75	1.00	ug/L
Tetrachloroethene	MW-7	4/11/2018		3.15	1.00	ug/L
Tetrachloroethene	MW-7	10/30/2018		2.12	1.00	ug/L
Tetrachloroethene	MW-7	4/01/2019		2.85	1.00	ug/L
Tetrachloroethene	MW-7	10/08/2019		1.23	1.00	ug/L
Tetrachloroethene	MW-7	4/20/2020		1.90	1.00	ug/L
Tetrachloroethene	MW-7	4/26/2021		1.66	1.00	ug/L
Tetrachloroethene	MW-7	8/16/2021		5.30	1.00	ug/L
Tetrachloroethene	MW-7	6/01/2022		2.89	1.00	ug/L
Tetrachloroethene	MW-7	10/03/2022		2.69	1.00	ug/L
Tetrachloroethene	MW-7	5/03/2023		2.67	1.00	ug/L
Tetrachloroethene	MW-7	10/11/2023		1.75	1.00	ug/L
Tetrachloroethene	MW-7	5/08/2024		1.61	1.00	ug/L
Tetrachloroethene	MW-7	4/16/2025		1.24	1.00	ug/L
Trichloroethene	MW-7	7/12/1996		4.70	1.00	ug/L
Trichloroethene	MW-7	10/10/1996		5.10	1.00	ug/L
Trichloroethene	MW-7	1/21/1997		6.60	1.00	ug/L
Trichloroethene	MW-7	4/17/1997		12.20	1.00	ug/L
Trichloroethene	MW-7	10/04/1997		9.80	1.00	ug/L
Trichloroethene	MW-7	4/22/1998		10.90	1.00	ug/L
Trichloroethene	MW-7	10/19/1998		8.20	1.00	ug/L
Trichloroethene	MW-7	4/30/1999		12.50	1.00	ug/L
Trichloroethene	MW-7	9/01/1999		8.20	1.00	ug/L
Trichloroethene	MW-7	4/12/2000		8.40	1.00	ug/L
Trichloroethene	MW-7	10/17/2000		6.40	1.00	ug/L
Trichloroethene	MW-7	4/25/2001		8.40	1.00	ug/L
Trichloroethene	MW-7	10/23/2001		10.70	1.00	ug/L
Trichloroethene	MW-7	4/28/2002		12.00	1.00	ug/L
Trichloroethene	MW-7	10/06/2002		13.40	1.00	ug/L
Trichloroethene	MW-7	4/03/2003		10.40	1.00	ug/L
Trichloroethene	MW-7	10/07/2003		10.70	1.00	ug/L
Trichloroethene	MW-7	4/30/2004		11.00	1.00	ug/L
Trichloroethene	MW-7	10/12/2004		7.40	1.00	ug/L
Trichloroethene	MW-7	4/26/2005		3.60	1.00	ug/L
Trichloroethene	MW-7	10/11/2005		2.94	1.00	ug/L
Trichloroethene	MW-7	4/26/2006		5.97	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Trichloroethene	MW-7	10/05/2006		7.26	1.00	ug/L
Trichloroethene	MW-7	4/23/2007		11.00	1.00	ug/L
Trichloroethene	MW-7	10/09/2007		13.40	1.00	ug/L
Trichloroethene	MW-7	4/07/2008		11.20	1.00	ug/L
Trichloroethene	MW-7	10/14/2008		12.80	1.00	ug/L
Trichloroethene	MW-7	4/07/2009		11.40	1.00	ug/L
Trichloroethene	MW-7	10/05/2009		37.50	1.00	ug/L
Trichloroethene	MW-7	4/01/2010		27.20	1.00	ug/L
Trichloroethene	MW-7	10/01/2010		16.90	1.00	ug/L
Trichloroethene	MW-7	4/07/2011		28.90	1.00	ug/L
Trichloroethene	MW-7	10/27/2011		15.40	1.00	ug/L
Trichloroethene	MW-7	4/23/2012		27.40	1.00	ug/L
Trichloroethene	MW-7	10/23/2012		24.00	1.00	ug/L
Trichloroethene	MW-7	4/16/2013		12.70	1.00	ug/L
Trichloroethene	MW-7	10/28/2013		9.17	1.00	ug/L
Trichloroethene	MW-7	4/24/2014		9.48	1.00	ug/L
Trichloroethene	MW-7	10/06/2014		6.83	1.00	ug/L
Trichloroethene	MW-7	4/21/2015		16.40	1.00	ug/L
Trichloroethene	MW-7	10/05/2015		7.02	1.00	ug/L
Trichloroethene	MW-7	4/26/2016		11.70	1.00	ug/L
Trichloroethene	MW-7	10/05/2016		3.16	1.00	ug/L
Trichloroethene	MW-7	4/04/2017		6.44	1.00	ug/L
Trichloroethene	MW-7	10/10/2017		9.98	1.00	ug/L
Trichloroethene	MW-7	4/11/2018		11.10	1.00	ug/L
Trichloroethene	MW-7	10/30/2018		10.30	1.00	ug/L
Trichloroethene	MW-7	4/01/2019		5.36	1.00	ug/L
Trichloroethene	MW-7	10/08/2019		6.71	1.00	ug/L
Trichloroethene	MW-7	4/20/2020		20.40	1.00	ug/L
Trichloroethene	MW-7	10/20/2020		17.30	1.00	ug/L
Trichloroethene	MW-7	4/26/2021		10.00	1.00	ug/L
Trichloroethene	MW-7	8/16/2021		12.30	1.00	ug/L
Trichloroethene	MW-7	6/01/2022		7.03	1.00	ug/L
Trichloroethene	MW-7	10/03/2022		6.27	1.00	ug/L
Trichloroethene	MW-7	5/03/2023		7.50	1.00	ug/L
Trichloroethene	MW-7	10/11/2023		9.37	1.00	ug/L
Trichloroethene	MW-7	5/08/2024		15.00	1.00	ug/L
Trichloroethene	MW-7	10/29/2024		7.81	1.00	ug/L
Trichloroethene	MW-7	4/16/2025		14.00	1.00	ug/L
Trichloroethene	MW-7	11/05/2025		10.00	1.00	ug/L
Vinyl Chloride	MW-7	10/28/2013		1.45	1.00	ug/L
Vinyl Chloride	MW-7	10/06/2014		1.56	1.00	ug/L
Vinyl Chloride	MW-7	4/21/2015		1.26	1.00	ug/L
Vinyl Chloride	MW-7	10/05/2015		1.24	1.00	ug/L
Vinyl Chloride	MW-7	4/26/2016		1.58	1.00	ug/L
Vinyl Chloride	MW-7	4/04/2017		1.15	1.00	ug/L
Vinyl Chloride	MW-7	10/10/2017		1.81	1.00	ug/L
Vinyl Chloride	MW-7	4/11/2018		1.87	1.00	ug/L
Vinyl Chloride	MW-7	10/30/2018		1.98	1.00	ug/L
Vinyl Chloride	MW-7	10/08/2019		1.45	1.00	ug/L
Vinyl Chloride	MW-7	4/20/2020		3.15	1.00	ug/L
Vinyl Chloride	MW-7	10/20/2020		3.48	1.00	ug/L
Vinyl Chloride	MW-7	4/26/2021		1.02	1.00	ug/L
Vinyl Chloride	MW-7	8/16/2021		2.84	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl Chloride	MW-7	6/01/2022		1.47	1.00	ug/L
Vinyl Chloride	MW-7	10/03/2022		1.38	1.00	ug/L
Vinyl Chloride	MW-7	5/03/2023		3.11	1.00	ug/L
Vinyl Chloride	MW-7	10/11/2023		4.28	1.00	ug/L
Vinyl Chloride	MW-7	5/08/2024		5.77	1.00	ug/L
Vinyl Chloride	MW-7	10/29/2024		9.39	1.00	ug/L
Vinyl Chloride	MW-7	4/16/2025		8.95	1.00	ug/L
Vinyl Chloride	MW-7	11/05/2025		5.79	1.00	ug/L
1,1-Dichloroethene	MW-8	10/10/1996		14.2	1.0	ug/L
1,2-Dichloroethane	MW-8	10/10/1996		3.00	1.00	ug/L
1,2-Dichloroethane	MW-8	1/21/1997		2.80	1.00	ug/L
1,2-Dichloroethane	MW-8	7/15/1997		2.80	1.00	ug/L
1,2-Dichloroethane	MW-8	10/04/1997		2.80	1.00	ug/L
1,2-Dichloroethane	MW-8	4/22/1998		3.30	1.00	ug/L
1,2-Dichloroethane	MW-8	10/19/1998		2.60	1.00	ug/L
1,2-Dichloroethane	MW-8	4/30/1999		3.40	1.00	ug/L
1,2-Dichloroethane	MW-8	9/01/1999		2.30	1.00	ug/L
1,2-Dichloroethane	MW-8	4/12/2000		3.00	1.00	ug/L
1,2-Dichloroethane	MW-8	10/17/2000		2.10	1.00	ug/L
1,2-Dichloroethane	MW-8	4/25/2001		2.70	1.00	ug/L
1,2-Dichloroethane	MW-8	10/23/2001		2.30	1.00	ug/L
1,2-Dichloroethane	MW-8	4/28/2002		1.90	1.00	ug/L
1,2-Dichloroethane	MW-8	10/06/2002		1.61	1.00	ug/L
1,2-Dichloroethane	MW-8	10/07/2003		1.55	1.00	ug/L
1,2-Dichloroethane	MW-8	4/30/2004		1.39	1.00	ug/L
1,2-Dichloroethane	MW-8	10/12/2004		1.21	1.00	ug/L
1,2-Dichloroethane	MW-8	4/26/2005		1.30	1.00	ug/L
1,2-Dichloroethane	MW-8	10/11/2005		1.97	1.00	ug/L
1,2-Dichloroethane	MW-8	4/26/2006		1.93	1.00	ug/L
1,2-Dichloroethane	MW-8	10/05/2006		1.83	1.00	ug/L
1,2-Dichloroethane	MW-8	4/23/2007		1.67	1.00	ug/L
1,2-Dichloroethane	MW-8	10/09/2007		1.86	1.00	ug/L
1,2-Dichloroethane	MW-8	4/07/2008		1.48	1.00	ug/L
1,2-Dichloroethane	MW-8	10/14/2008		1.35	1.00	ug/L
1,2-Dichloroethane	MW-8	4/07/2009		1.24	1.00	ug/L
1,2-Dichloroethane	MW-8	10/05/2009		1.34	1.00	ug/L
1,2-Dichloroethane	MW-8	4/01/2010		1.05	1.00	ug/L
1,2-Dichloropropane	MW-8	10/27/2011		1.46	1.00	ug/L
1,2-Dichloropropane	MW-8	4/16/2013		1.62	1.00	ug/L
1,2-Dichloropropane	MW-8	10/28/2013		1.44	1.00	ug/L
1,2-Dichloropropane	MW-8	4/24/2014		1.35	1.00	ug/L
1,2-Dichloropropane	MW-8	10/06/2014		1.17	1.00	ug/L
1,2-Dichloropropane	MW-8	4/21/2015		1.27	1.00	ug/L
1,2-Dichloropropane	MW-8	10/05/2015		1.30	1.00	ug/L
1,2-Dichloropropane	MW-8	4/04/2017		1.32	1.00	ug/L
1,2-Dichloropropane	MW-8	10/10/2017		1.65	1.00	ug/L
1,2-Dichloropropane	MW-8	4/11/2018		1.43	1.00	ug/L
1,2-Dichloropropane	MW-8	10/30/2018		1.27	1.00	ug/L
1,2-Dichloropropane	MW-8	4/01/2019		1.21	1.00	ug/L
1,2-Dichloropropane	MW-8	10/08/2019		1.57	1.00	ug/L
1,2-Dichloropropane	MW-8	5/28/2020		1.43	1.00	ug/L
1,2-Dichloropropane	MW-8	10/20/2020		1.29	1.00	ug/L
1,2-Dichloropropane	MW-8	4/26/2021		1.26	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
1,2-Dichloropropane	MW-8	8/16/2021		1.52	1.00	ug/L
1,2-Dichloropropane	MW-8	6/01/2022		1.21	1.00	ug/L
1,2-Dichloropropane	MW-8	10/03/2022		1.01	1.00	ug/L
1,2-Dichloropropane	MW-8	5/03/2023		1.16	1.00	ug/L
Benzene	MW-8	10/10/1996		2.800	.500	ug/L
Benzene	MW-8	1/21/1997		2.200	.500	ug/L
Benzene	MW-8	7/15/1997		1.200	1.000	ug/L
Benzene	MW-8	10/04/1997		1.530	1.000	ug/L
Benzene	MW-8	4/22/1998		1.100	1.000	ug/L
Benzene	MW-8	10/19/1998		1.300	1.000	ug/L
Benzene	MW-8	4/30/1999		1.300	1.000	ug/L
Benzene	MW-8	9/01/1999		1.000	1.000	ug/L
Benzene	MW-8	4/12/2000		.720	.500	ug/L
Benzene	MW-8	10/17/2000		.950	.500	ug/L
Benzene	MW-8	4/03/2003		.800	.500	ug/L
Benzene	MW-8	10/11/2005		.550	.500	ug/L
Benzene	MW-8	4/26/2006		1.080	1.000	ug/L
Benzene	MW-8	10/05/2006		.940	.500	ug/L
Benzene	MW-8	10/09/2007		1.240	1.000	ug/L
Benzene	MW-8	4/07/2008		1.610	1.000	ug/L
Benzene	MW-8	10/14/2008		1.460	1.000	ug/L
Benzene	MW-8	4/07/2009		.560	.500	ug/L
Benzene	MW-8	10/05/2009		.860	.500	ug/L
Benzene	MW-8	4/07/2011		1.090	1.000	ug/L
Benzene	MW-8	10/27/2011		1.040	1.000	ug/L
Benzene	MW-8	4/23/2012		.840	.500	ug/L
Benzene	MW-8	10/23/2012		.710	.500	ug/L
Benzene	MW-8	10/05/2016		.801	.500	ug/L
Benzene	MW-8	4/04/2017		.794	.500	ug/L
Benzene	MW-8	10/10/2017		.701	.500	ug/L
Benzene	MW-8	4/01/2019		.632	.500	ug/L
Benzene	MW-8	10/08/2019		.858	.500	ug/L
cis-1,2-Dichloroethene	MW-8	10/27/2011		104.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/16/2013		85.70	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/28/2013		53.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/24/2014		69.30	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/06/2014		54.30	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/21/2015		72.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/05/2015		84.50	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/26/2016		60.40	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/05/2016		84.70	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/04/2017		91.90	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/10/2017		100.00	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/11/2018		80.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/30/2018		82.60	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/01/2019		75.70	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/08/2019		85.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/20/2020		1.21	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	5/28/2020		57.10	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/20/2020		76.40	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/26/2021		61.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	8/16/2021		85.90	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	6/01/2022		59.40	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
cis-1,2-Dichloroethene	MW-8	10/03/2022		50.20	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	5/03/2023		53.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/11/2023		45.70	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	5/08/2024		57.10	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	10/29/2024		14.80	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	4/16/2025		26.40	1.00	ug/L
cis-1,2-Dichloroethene	MW-8	11/05/2025		38.90	1.00	ug/L
Trichloroethene	MW-8	10/10/1996		21.40	1.00	ug/L
Trichloroethene	MW-8	1/21/1997		20.80	1.00	ug/L
Trichloroethene	MW-8	4/17/1997		18.60	1.00	ug/L
Trichloroethene	MW-8	7/15/1997		17.10	1.00	ug/L
Trichloroethene	MW-8	10/04/1997		15.60	1.00	ug/L
Trichloroethene	MW-8	4/22/1998		16.40	1.00	ug/L
Trichloroethene	MW-8	10/19/1998		16.10	1.00	ug/L
Trichloroethene	MW-8	4/30/1999		14.10	1.00	ug/L
Trichloroethene	MW-8	9/01/1999		11.80	1.00	ug/L
Trichloroethene	MW-8	4/12/2000		9.80	1.00	ug/L
Trichloroethene	MW-8	10/17/2000		9.80	1.00	ug/L
Trichloroethene	MW-8	4/25/2001		7.80	1.00	ug/L
Trichloroethene	MW-8	10/23/2001		7.30	1.00	ug/L
Trichloroethene	MW-8	4/28/2002		6.40	1.00	ug/L
Trichloroethene	MW-8	10/06/2002		7.00	1.00	ug/L
Trichloroethene	MW-8	4/03/2003		9.50	1.00	ug/L
Trichloroethene	MW-8	10/07/2003		5.02	1.00	ug/L
Trichloroethene	MW-8	4/30/2004		5.97	1.00	ug/L
Trichloroethene	MW-8	10/12/2004		4.06	1.00	ug/L
Trichloroethene	MW-8	4/26/2005		3.61	1.00	ug/L
Trichloroethene	MW-8	10/11/2005		3.29	1.00	ug/L
Trichloroethene	MW-8	4/26/2006		1.46	1.00	ug/L
Trichloroethene	MW-8	10/05/2006		2.61	1.00	ug/L
Trichloroethene	MW-8	4/23/2007		1.73	1.00	ug/L
Trichloroethene	MW-8	10/09/2007		2.47	1.00	ug/L
Trichloroethene	MW-8	4/07/2008		1.91	1.00	ug/L
Trichloroethene	MW-8	10/14/2008		2.13	1.00	ug/L
Trichloroethene	MW-8	4/07/2009		1.91	1.00	ug/L
Trichloroethene	MW-8	10/05/2009		2.16	1.00	ug/L
Trichloroethene	MW-8	4/01/2010		1.08	1.00	ug/L
Trichloroethene	MW-8	10/01/2010		1.12	1.00	ug/L
Trichloroethene	MW-8	4/07/2011		1.17	1.00	ug/L
Trichloroethene	MW-8	10/27/2011		1.07	1.00	ug/L
Trichloroethene	MW-8	10/23/2012		1.59	1.00	ug/L
Trichloroethene	MW-8	4/16/2013		1.87	1.00	ug/L
Trichloroethene	MW-8	5/03/2023		1.13	1.00	ug/L
Vinyl Chloride	MW-8	10/27/2011		3.73	1.00	ug/L
Vinyl Chloride	MW-8	4/16/2013		1.90	1.00	ug/L
Vinyl Chloride	MW-8	4/26/2016		1.06	1.00	ug/L
Vinyl Chloride	MW-8	10/05/2016		2.86	1.00	ug/L
Vinyl Chloride	MW-8	4/04/2017		3.73	1.00	ug/L
Vinyl Chloride	MW-8	10/10/2017		3.83	1.00	ug/L
Vinyl Chloride	MW-8	4/11/2018		2.74	1.00	ug/L
Vinyl Chloride	MW-8	10/30/2018		2.18	1.00	ug/L
Vinyl Chloride	MW-8	4/01/2019		5.33	1.00	ug/L
Vinyl Chloride	MW-8	10/08/2019		7.13	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Well	Date	Identifier	Result	Limit	Units
Vinyl Chloride	MW-8	5/28/2020		1.73	1.00	ug/L
Vinyl Chloride	MW-8	10/20/2020		3.25	1.00	ug/L
Vinyl Chloride	MW-8	4/26/2021		2.16	1.00	ug/L
Vinyl Chloride	MW-8	8/16/2021		2.40	1.00	ug/L
Vinyl Chloride	MW-8	6/01/2022		2.72	1.00	ug/L
Vinyl Chloride	MW-8	10/03/2022		1.62	1.00	ug/L
Vinyl Chloride	MW-8	5/03/2023		2.16	1.00	ug/L
Vinyl Chloride	MW-8	10/11/2023		1.03	1.00	ug/L
Vinyl Chloride	MW-8	5/08/2024		1.51	1.00	ug/L
1,2-Dichloroethane	MW-9	10/10/1996		.55	.40	ug/L
1,2-Dichloroethane	MW-9	10/04/1997		.54	.40	ug/L
1,2-Dichloroethane	MW-9	10/19/1998		.40	.40	ug/L
1,2-Dichloroethane	MW-9	4/30/1999		.47	.40	ug/L
cis-1,2-Dichloroethene	MW-9	10/27/2011		2.70	1.00	ug/L
cis-1,2-Dichloroethene	MW-9	4/26/2016		1.69	1.00	ug/L
cis-1,2-Dichloroethene	MW-9	4/04/2017		1.09	1.00	ug/L
cis-1,2-Dichloroethene	MW-9	10/30/2018		1.99	1.00	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Attachment D

Assessment Statistics on Verified VOCs
First Semi-Annual Monitoring Event in 2025

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
1,2-Dichloroethane	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-10	4	0.250	0.000	1.176	0.250	0.250	5.000		
cis-1,2-Dichloroethene	ug/L	MW-10	4	0.910	0.820	1.176	0.000	1.875	70.000		
Tetrachloroethene	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl Chloride	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,2-Dichloroethane	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-12	4	1.101	0.202	1.176	0.864	1.338	5.000	dec	
cis-1,2-Dichloroethene	ug/L	MW-12	4	28.875	7.102	1.176	20.521	37.229	70.000		
Tetrachloroethene	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
Vinyl Chloride	ug/L	MW-12	4	4.345	0.816	1.176	3.385	5.305	2.000		**
1,2-Dichloroethane	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-14	4	0.427	0.213	1.176	0.176	0.678	5.000		
cis-1,2-Dichloroethene	ug/L	MW-14	4	43.725	4.455	1.176	38.484	48.966	70.000		
Tetrachloroethene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl Chloride	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,2-Dichloroethane	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-16	4	0.250	0.000	1.176	0.250	0.250	5.000		
cis-1,2-Dichloroethene	ug/L	MW-16	4	2.540	4.080	1.176	0.000	7.339	70.000		
Tetrachloroethene	ug/L	MW-16	4	0.763	0.525	1.176	0.145	1.380	5.000		
Trichloroethene	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl Chloride	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,2-Dichloroethane	ug/L	MW-7	4	1.220	0.554	1.176	0.568	1.872	5.000		**
1,2-Dichloropropane	ug/L	MW-7	4	9.862	3.454	1.176	5.799	13.926	5.000		**
Benzene	ug/L	MW-7	4	0.847	0.059	1.176	0.778	0.916	5.000		**
cis-1,2-Dichloroethene	ug/L	MW-7	4	181.250	37.615	1.176	137.003	225.497	70.000		**
Tetrachloroethene	ug/L	MW-7	4	1.275	0.560	1.176	0.617	1.933	5.000	dec	**
Trichloroethene	ug/L	MW-7	4	11.545	3.495	1.176	7.434	15.656	5.000		**
Vinyl Chloride	ug/L	MW-7	4	7.098	2.476	1.176	4.185	10.010	2.000	inc	**
1,2-Dichloroethane	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
1,2-Dichloropropane	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-8	4	0.250	0.000	1.176	0.250	0.250	5.000		
cis-1,2-Dichloroethene	ug/L	MW-8	4	36.000	18.982	1.176	13.672	58.328	70.000	dec	
Tetrachloroethene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
Vinyl Chloride	ug/L	MW-8	4	0.885	0.486	1.176	0.314	1.456	2.000		

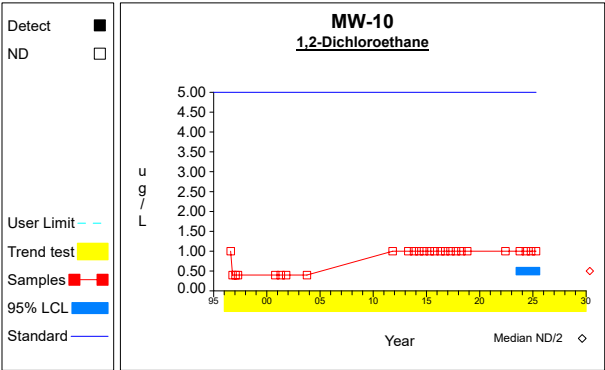
* - Insufficient Data

** - Significant Exceedance

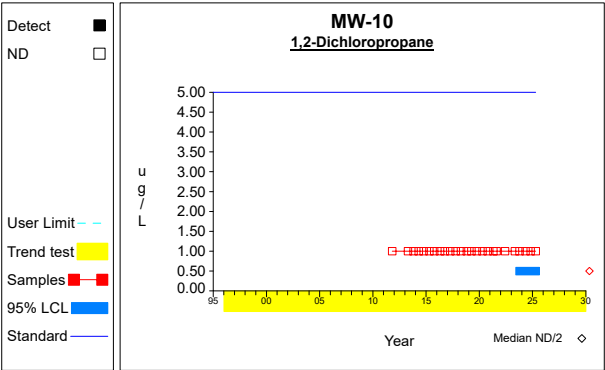
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

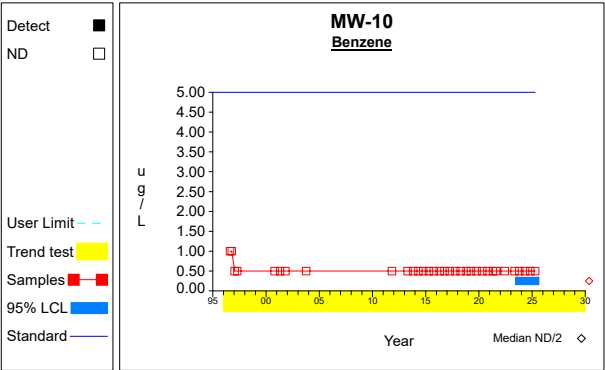
Confidence Limits (Assessment)



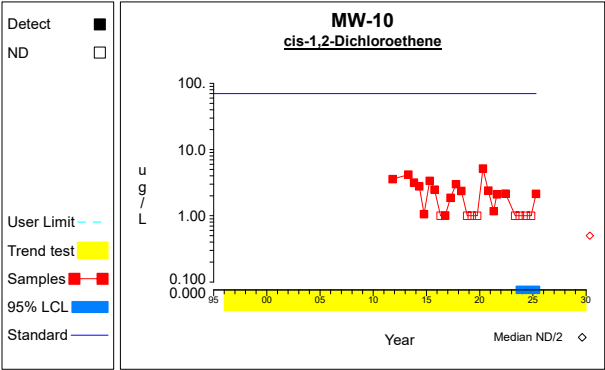
Graph 1



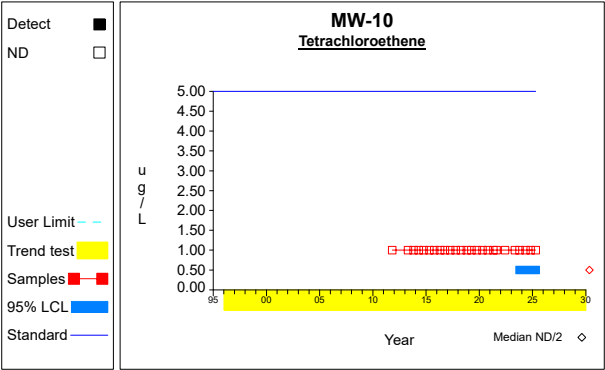
Graph 2



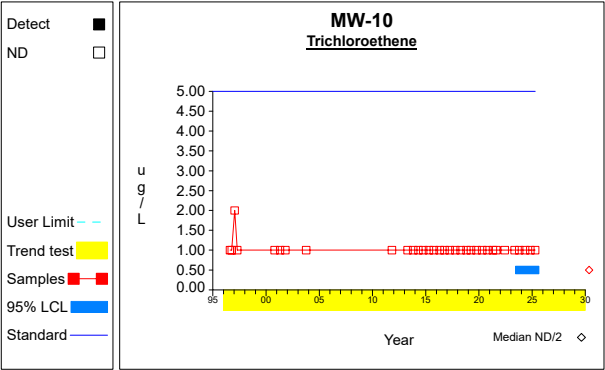
Graph 3



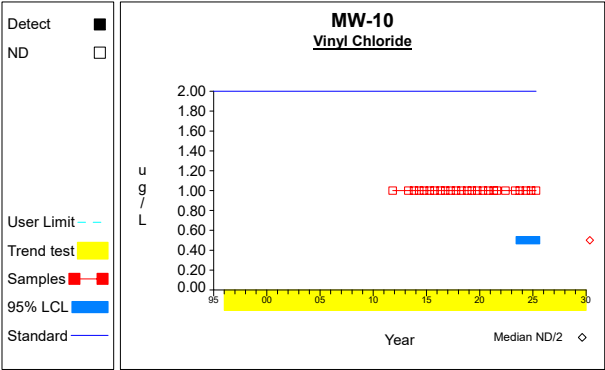
Graph 4



Graph 5

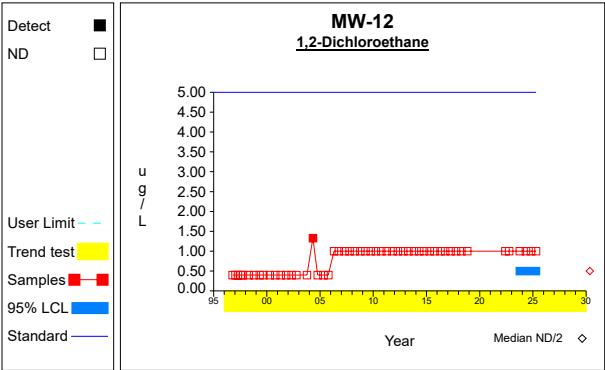


Graph 6

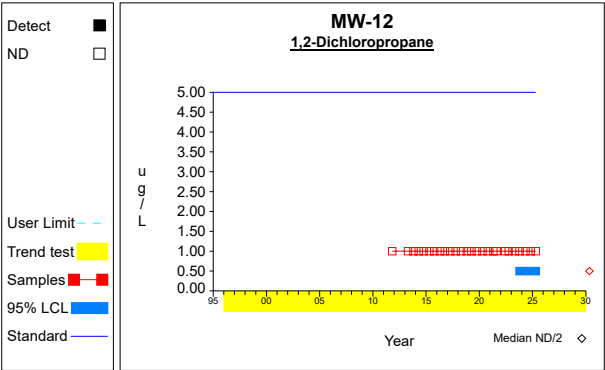


Graph 7

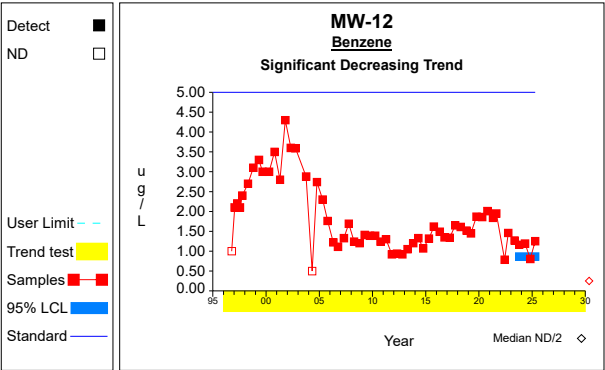
Confidence Limits (Assessment)



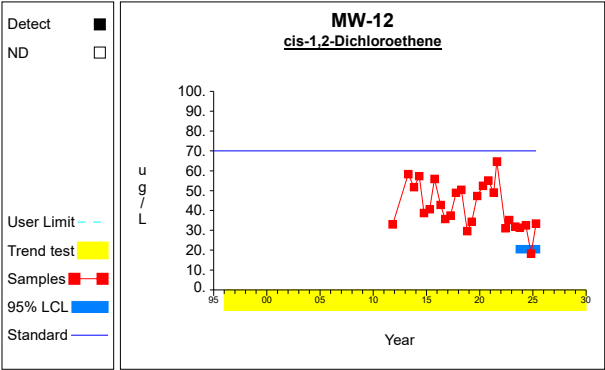
Graph 8



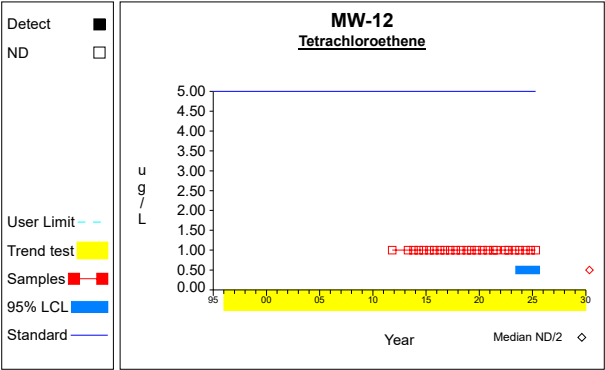
Graph 9



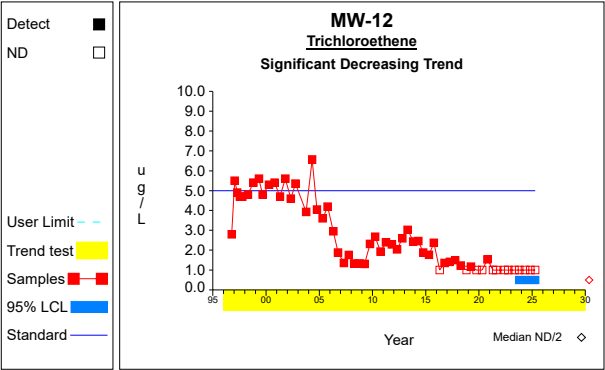
Graph 10



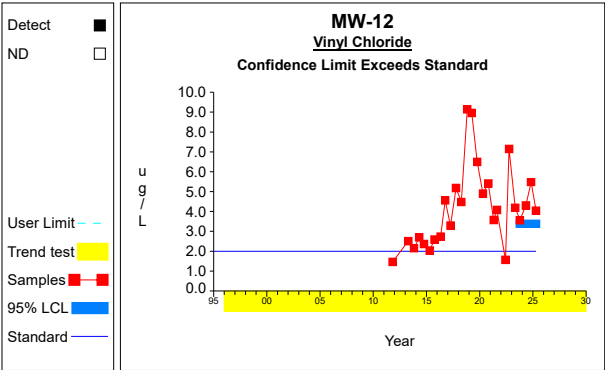
Graph 11



Graph 12

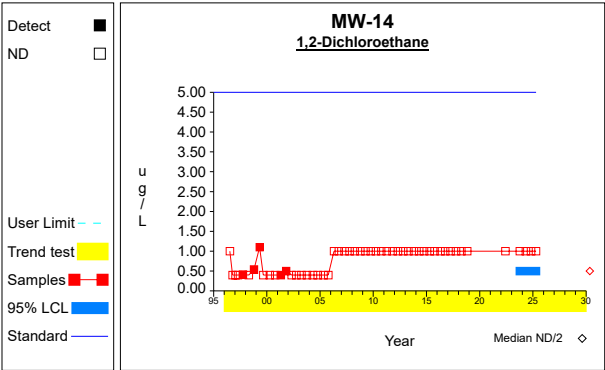


Graph 13

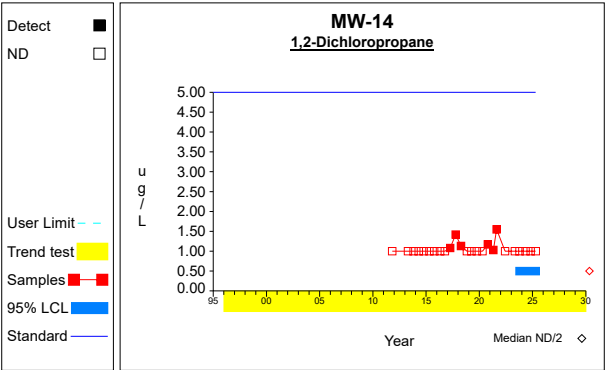


Graph 14

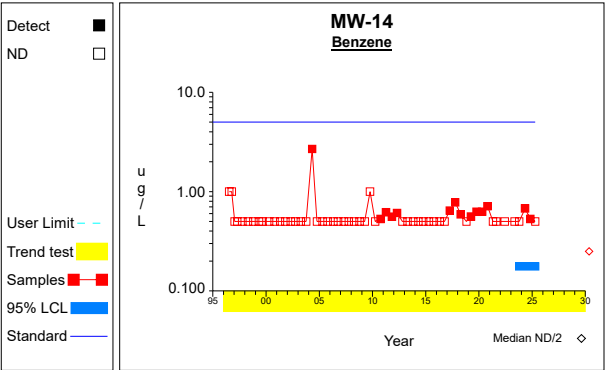
Confidence Limits (Assessment)



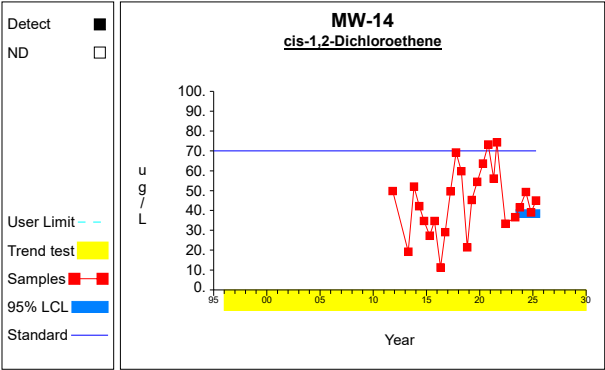
Graph 15



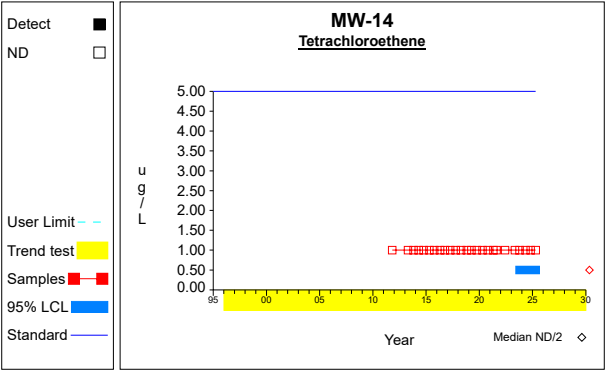
Graph 16



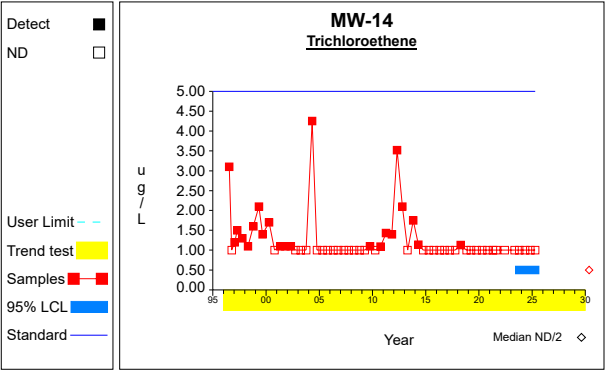
Graph 17



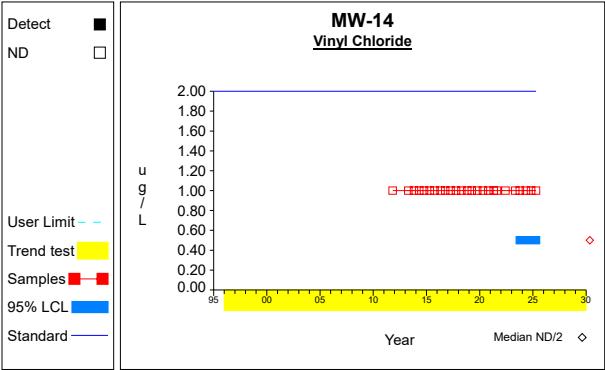
Graph 18



Graph 19

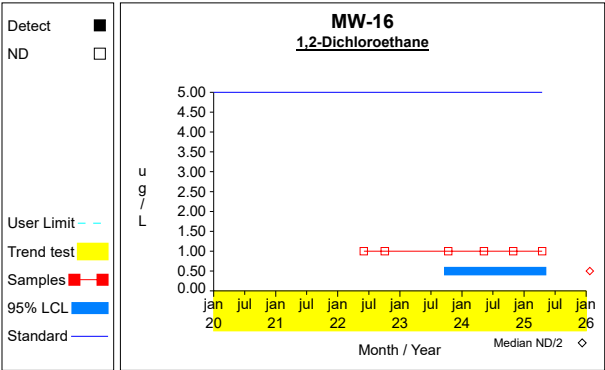


Graph 20

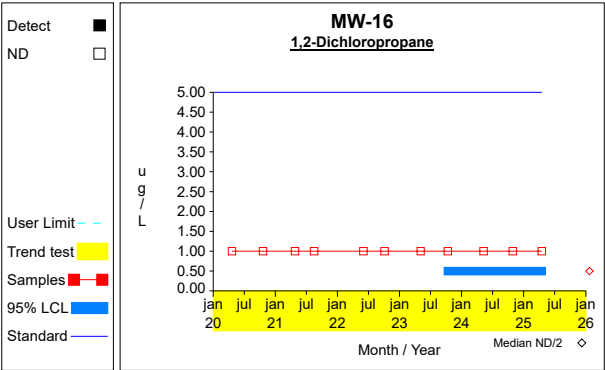


Graph 21

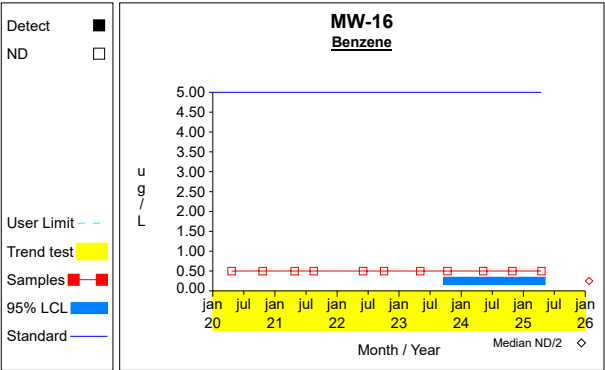
Confidence Limits (Assessment)



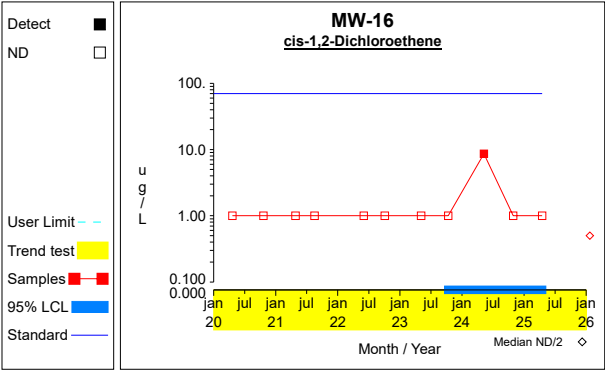
Graph 22



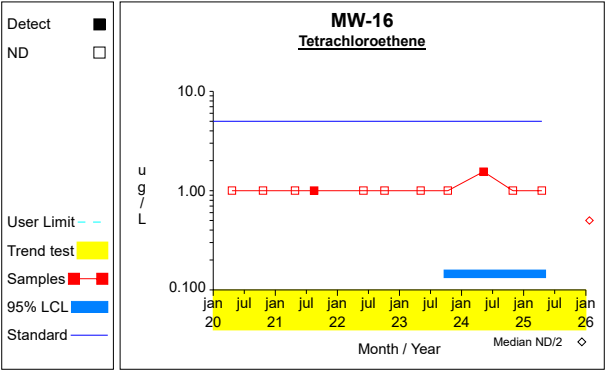
Graph 23



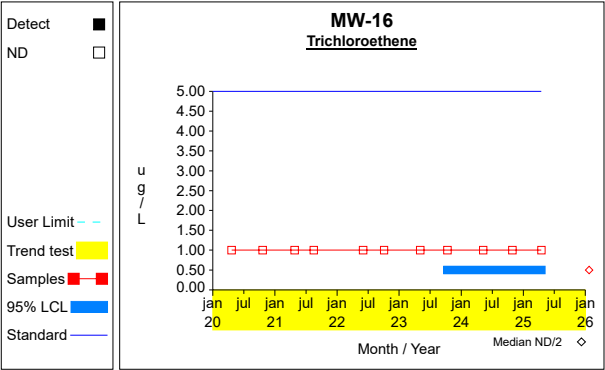
Graph 24



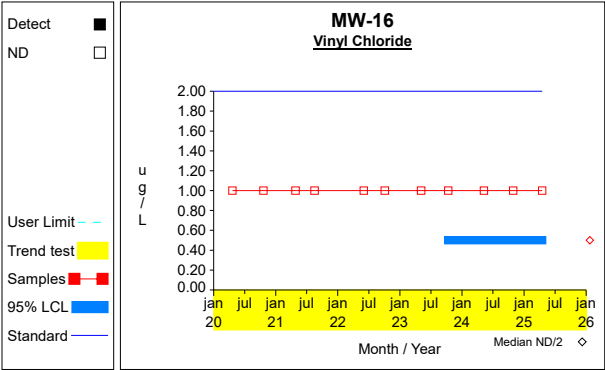
Graph 25



Graph 26

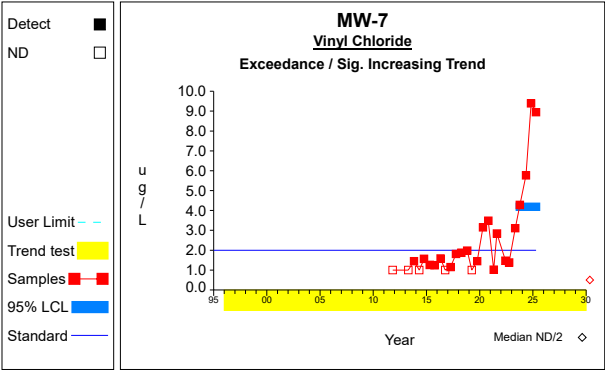
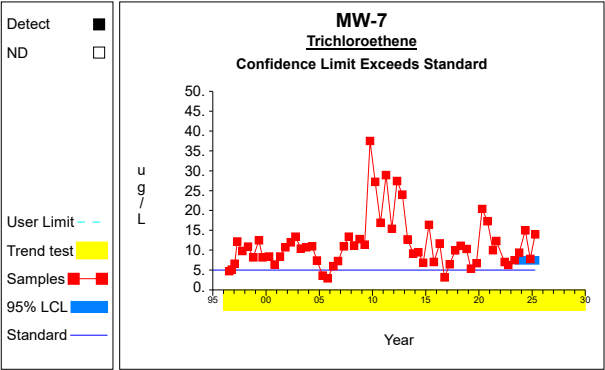
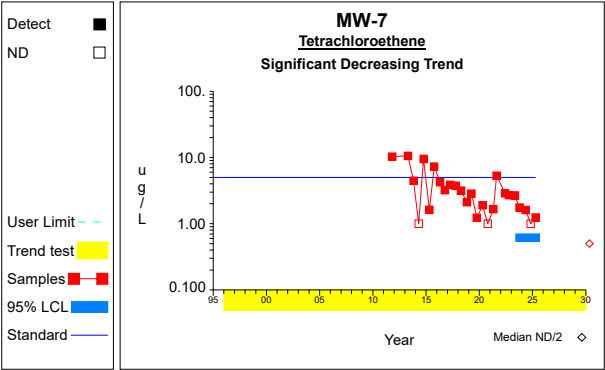
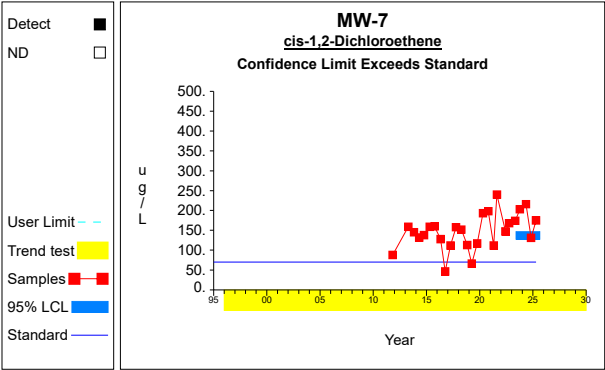
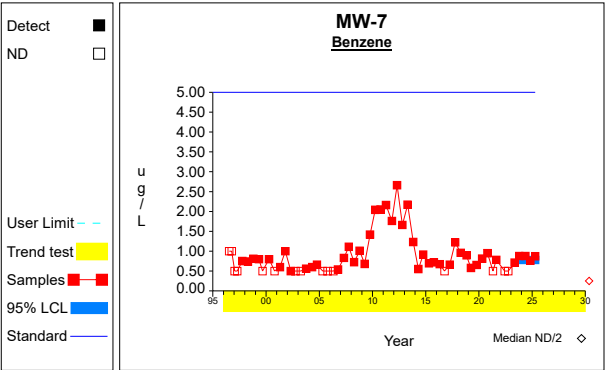
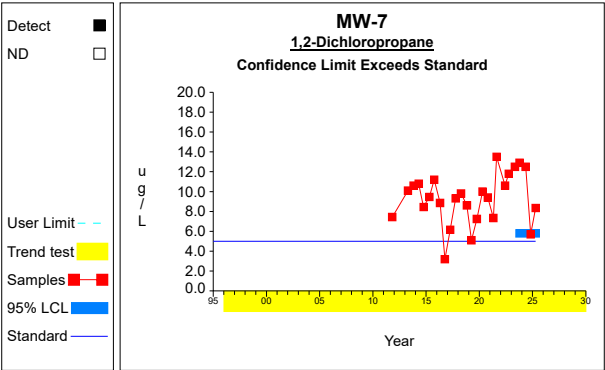
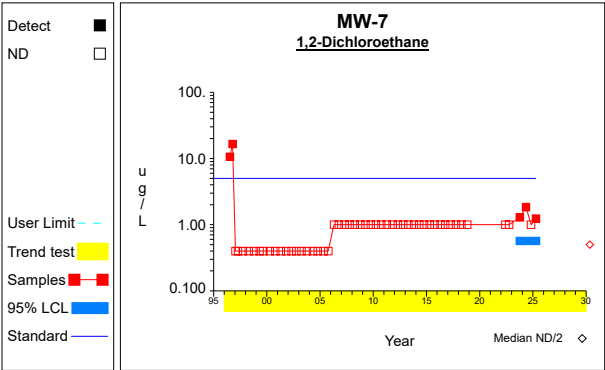


Graph 27

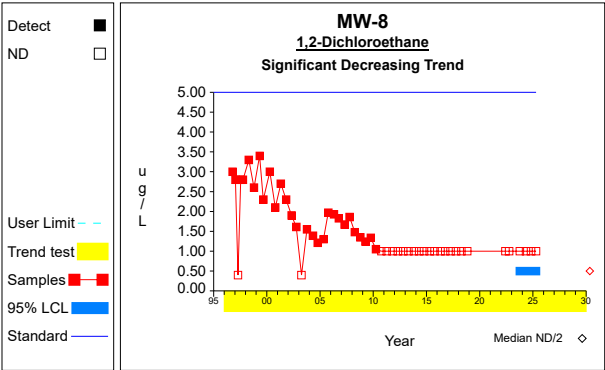


Graph 28

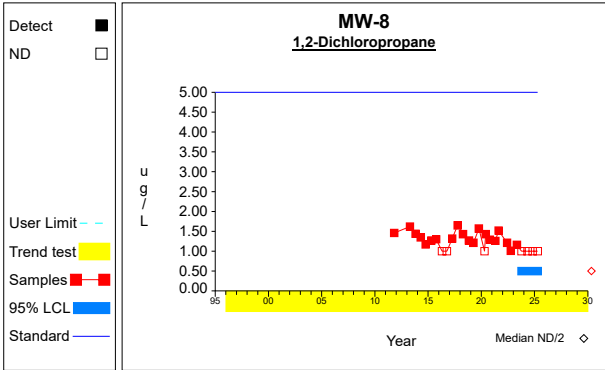
Confidence Limits (Assessment)



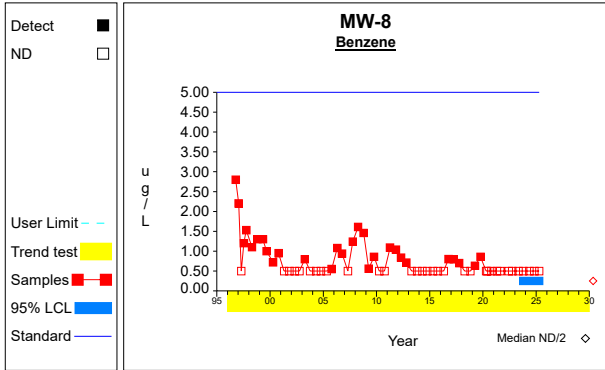
Confidence Limits (Assessment)



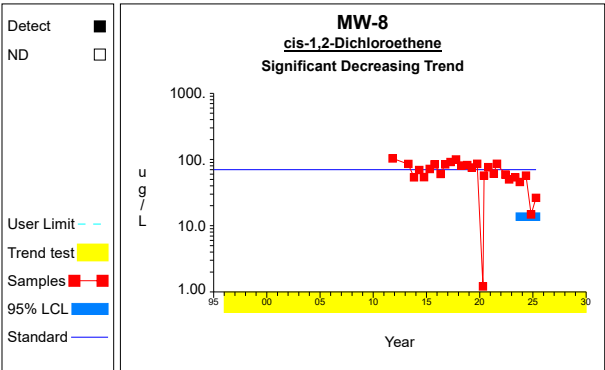
Graph 36



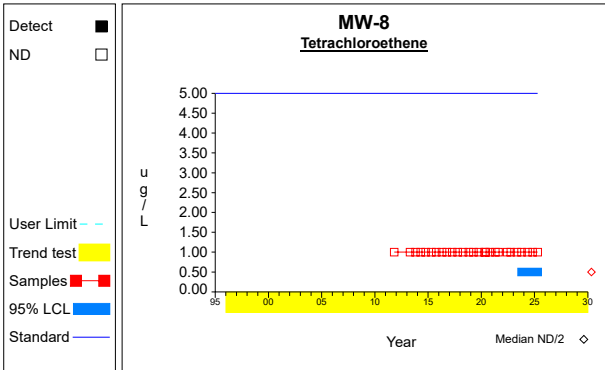
Graph 37



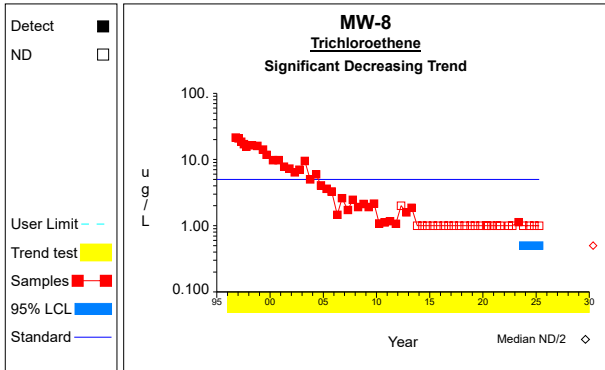
Graph 38



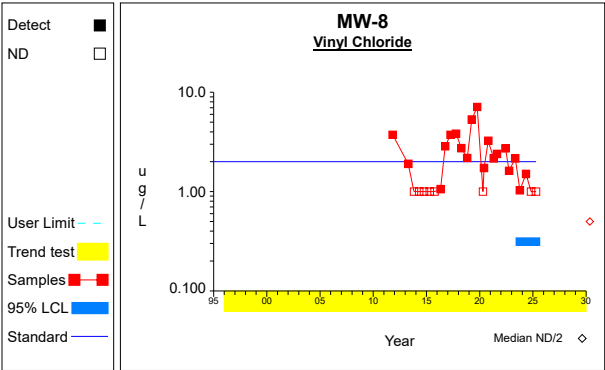
Graph 39



Graph 40



Graph 41



Graph 42

Attachment E

Summary Tables and Graphs for the Interwell Comparisons
Second Semi-Annual Monitoring Event in 2025

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Ammonia as N	mg/L	MW-17	11/10/1997	ND	0.2000		
Ammonia as N	mg/L	MW-17	01/08/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/22/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	07/01/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/19/1998	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/30/1999	ND	0.2000		
Ammonia as N	mg/L	MW-17	09/01/1999	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/12/2000	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/17/2000	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/25/2001	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/23/2001	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/28/2002	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/06/2002	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/03/2003	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/07/2003	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/30/2004	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/12/2004	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2005	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/11/2005	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2006	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2006	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/23/2007	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/09/2007	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/07/2008	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/14/2008	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/07/2009	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2009	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/01/2010	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/01/2010	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/07/2011	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/27/2011	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/23/2012	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/23/2012	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/16/2013	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/28/2013	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/24/2014	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/06/2014	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/21/2015	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2015	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2016	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/05/2016	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/04/2017	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/10/2017	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/11/2018	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/30/2018	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/01/2019	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/08/2019	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/20/2020	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/20/2020	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/26/2021	ND	0.2000		
Ammonia as N	mg/L	MW-17	08/16/2021	ND	0.2000		
Ammonia as N	mg/L	MW-17	06/01/2022	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/03/2022	ND	0.2000		
Ammonia as N	mg/L	MW-17	05/03/2023	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/11/2023	ND	0.2000		
Ammonia as N	mg/L	MW-17	05/08/2024	ND	0.2000		
Ammonia as N	mg/L	MW-17	10/29/2024	ND	0.2000		
Ammonia as N	mg/L	MW-17	04/16/2025	ND	0.2000		
Ammonia as N	mg/L	MW-17	11/05/2025	ND	0.2000		
Chemical Oxygen Demand	mg/L	MW-17	11/10/1997	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	01/08/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/22/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	07/01/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/19/1998	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/30/1999	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	09/01/1999	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/12/2000	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/17/2000	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/25/2001	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/23/2001	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/28/2002	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/06/2002		11.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/03/2003		7.5000		
Chemical Oxygen Demand	mg/L	MW-17	10/07/2003	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chemical Oxygen Demand	mg/L	MW-17	04/30/2004	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/12/2004	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2005	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/11/2005	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2006	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2006		8.4000		
Chemical Oxygen Demand	mg/L	MW-17	04/23/2007		10.6000		
Chemical Oxygen Demand	mg/L	MW-17	10/09/2007	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/07/2008	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/14/2008	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/07/2009	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2009	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/01/2010	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/01/2010	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/07/2011	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/27/2011		14.3000		
Chemical Oxygen Demand	mg/L	MW-17	04/23/2012	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/23/2012	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/16/2013	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/28/2013	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/24/2014	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/06/2014	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/21/2015	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2015	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2016	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/05/2016	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/04/2017	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/10/2017	ND	25.0000		*
Chemical Oxygen Demand	mg/L	MW-17	04/11/2018	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/30/2018	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/01/2019		5.3600		
Chemical Oxygen Demand	mg/L	MW-17	10/08/2019	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	04/20/2020	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/20/2020		5.3000		
Chemical Oxygen Demand	mg/L	MW-17	04/26/2021		7.4000		
Chemical Oxygen Demand	mg/L	MW-17	08/16/2021		5.7300		
Chemical Oxygen Demand	mg/L	MW-17	06/01/2022		21.2000		*
Chemical Oxygen Demand	mg/L	MW-17	10/03/2022	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	05/03/2023		10.8000		
Chemical Oxygen Demand	mg/L	MW-17	10/11/2023		7.4500		
Chemical Oxygen Demand	mg/L	MW-17	05/08/2024	ND	5.0000		
Chemical Oxygen Demand	mg/L	MW-17	10/29/2024		11.9000		
Chemical Oxygen Demand	mg/L	MW-17	04/16/2025		5.8200		
Chemical Oxygen Demand	mg/L	MW-17	11/05/2025		8.7200		
Chloride	mg/L	MW-17	11/10/1997	ND	5.0000		
Chloride	mg/L	MW-17	01/08/1998	ND	5.0000		
Chloride	mg/L	MW-17	04/22/1998	ND	5.0000		
Chloride	mg/L	MW-17	07/01/1998		7.3000		
Chloride	mg/L	MW-17	10/19/1998	ND	5.0000		
Chloride	mg/L	MW-17	04/30/1999	ND	5.0000		
Chloride	mg/L	MW-17	09/01/1999	ND	5.0000		
Chloride	mg/L	MW-17	04/12/2000	ND	5.0000		
Chloride	mg/L	MW-17	10/17/2000	ND	5.0000		
Chloride	mg/L	MW-17	04/25/2001	ND	5.0000		
Chloride	mg/L	MW-17	10/23/2001	ND	5.0000		
Chloride	mg/L	MW-17	04/28/2002	ND	5.0000		
Chloride	mg/L	MW-17	10/06/2002	ND	5.0000		
Chloride	mg/L	MW-17	04/03/2003	ND	5.0000		
Chloride	mg/L	MW-17	10/07/2003	ND	5.0000		
Chloride	mg/L	MW-17	04/30/2004	ND	5.0000		
Chloride	mg/L	MW-17	10/12/2004	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2005	ND	5.0000		
Chloride	mg/L	MW-17	10/11/2005	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2006	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2006	ND	5.0000		
Chloride	mg/L	MW-17	04/23/2007	ND	5.0000		
Chloride	mg/L	MW-17	10/09/2007	ND	5.0000		
Chloride	mg/L	MW-17	04/07/2008	ND	5.0000		
Chloride	mg/L	MW-17	10/14/2008	ND	5.0000		
Chloride	mg/L	MW-17	04/07/2009	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2009	ND	5.0000		
Chloride	mg/L	MW-17	04/01/2010	ND	5.0000		
Chloride	mg/L	MW-17	10/01/2010	ND	5.0000		
Chloride	mg/L	MW-17	04/07/2011	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	MW-17	10/27/2011	ND	5.0000	5.0000	**
Chloride	mg/L	MW-17	04/23/2012	ND	5.0000		
Chloride	mg/L	MW-17	10/23/2012	ND	5.0000		
Chloride	mg/L	MW-17	04/16/2013	ND	2.0000		
Chloride	mg/L	MW-17	10/28/2013	ND	5.0000		
Chloride	mg/L	MW-17	04/24/2014		1.6500		
Chloride	mg/L	MW-17	10/06/2014		1.6600		
Chloride	mg/L	MW-17	04/21/2015	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2015	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2016	ND	5.0000		
Chloride	mg/L	MW-17	10/05/2016	ND	5.0000		
Chloride	mg/L	MW-17	04/04/2017	ND	5.0000		
Chloride	mg/L	MW-17	10/10/2017	ND	5.0000		
Chloride	mg/L	MW-17	04/11/2018	ND	5.0000		
Chloride	mg/L	MW-17	10/30/2018		6.4700		
Chloride	mg/L	MW-17	04/01/2019	ND	5.0000		
Chloride	mg/L	MW-17	10/08/2019	ND	5.0000		
Chloride	mg/L	MW-17	04/20/2020	ND	5.0000		
Chloride	mg/L	MW-17	10/20/2020	ND	5.0000		
Chloride	mg/L	MW-17	04/26/2021	ND	5.0000		
Chloride	mg/L	MW-17	08/16/2021	ND	5.0000		
Chloride	mg/L	MW-17	06/01/2022	ND	5.0000		
Chloride	mg/L	MW-17	10/03/2022	ND	5.0000		
Chloride	mg/L	MW-17	05/03/2023	ND	5.0000		
Chloride	mg/L	MW-17	10/11/2023	ND	5.0000		
Chloride	mg/L	MW-17	05/08/2024	ND	5.0000		
Chloride	mg/L	MW-17	10/29/2024	ND	5.0000		
Chloride	mg/L	MW-17	04/16/2025		2.6400		
Chloride	mg/L	MW-17	11/05/2025		2.9600		
Iron, Dissolved	ug/L	MW-17	11/10/1997	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	01/08/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/22/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	07/01/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/19/1998	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/30/1999	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	09/01/1999	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/12/2000	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/17/2000	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/25/2001	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/23/2001	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/28/2002	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/06/2002	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/03/2003	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/07/2003	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/30/2004	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/12/2004	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/26/2005	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/11/2005	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/26/2006	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2006	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/23/2007	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/09/2007	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/07/2008	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/14/2008	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/07/2009	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2009	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/01/2010	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/01/2010	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/07/2011	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/27/2011	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/23/2012	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/23/2012	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/16/2013	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/28/2013	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/24/2014	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/06/2014	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/21/2015	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2015	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/26/2016	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	10/05/2016	ND	100.0000		
Iron, Dissolved	ug/L	MW-17	04/04/2017	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/10/2017	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/11/2018	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/30/2018	ND	500.0000	100.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Iron, Dissolved	ug/L	MW-17	04/01/2019	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/08/2019	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/20/2020	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/20/2020	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/26/2021	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	08/16/2021	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	06/01/2022	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/03/2022	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	05/03/2023	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/11/2023	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	05/08/2024	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	10/29/2024	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	04/16/2025	ND	500.0000	100.0000	**
Iron, Dissolved	ug/L	MW-17	11/05/2025	ND	500.0000	100.0000	**
pH	S.U.	MW-17	04/22/1998		7.0000		
pH	S.U.	MW-17	07/01/1998		7.0000		
pH	S.U.	MW-17	10/19/1998		6.8000		
pH	S.U.	MW-17	04/30/1999		6.8000		
pH	S.U.	MW-17	09/01/1999		6.8000		
pH	S.U.	MW-17	04/12/2000		7.0000		
pH	S.U.	MW-17	10/17/2000		5.1000		
pH	S.U.	MW-17	04/25/2001		7.5000		
pH	S.U.	MW-17	10/23/2001		7.5000		
pH	S.U.	MW-17	04/28/2002		6.9000		
pH	S.U.	MW-17	10/06/2002		7.4000		
pH	S.U.	MW-17	04/03/2003		7.3000		
pH	S.U.	MW-17	10/07/2003		7.6000		
pH	S.U.	MW-17	04/30/2004		6.9000		
pH	S.U.	MW-17	10/12/2004		7.2000		
pH	S.U.	MW-17	04/26/2005		7.2000		
pH	S.U.	MW-17	10/11/2005		7.4000		
pH	S.U.	MW-17	04/26/2006		7.2000		
pH	S.U.	MW-17	10/05/2006		7.4000		
pH	S.U.	MW-17	04/23/2007		7.2000		
pH	S.U.	MW-17	10/09/2007		7.2000		
pH	S.U.	MW-17	04/07/2008		7.1000		
pH	S.U.	MW-17	10/14/2008		7.3000		
pH	S.U.	MW-17	04/07/2009		6.9000		
pH	S.U.	MW-17	10/05/2009		7.2000		
pH	S.U.	MW-17	04/01/2010		7.3000		
pH	S.U.	MW-17	10/01/2010		7.1000		
pH	S.U.	MW-17	04/07/2011		7.2000		
pH	S.U.	MW-17	10/27/2011		7.1000		
pH	S.U.	MW-17	04/23/2012		7.1000		
pH	S.U.	MW-17	10/23/2012		7.1000		
pH	S.U.	MW-17	04/16/2013		7.3000		
pH	S.U.	MW-17	10/28/2013		7.4000		
pH	S.U.	MW-17	04/24/2014		7.2300		
pH	S.U.	MW-17	10/06/2014		7.2800		
pH	S.U.	MW-17	04/21/2015		6.9000		
pH	S.U.	MW-17	10/05/2015		7.2100		
pH	S.U.	MW-17	04/26/2016		7.0800		
pH	S.U.	MW-17	10/05/2016		7.0000		
pH	S.U.	MW-17	04/04/2017		7.2900		
pH	S.U.	MW-17	10/10/2017		7.1400		
pH	S.U.	MW-17	04/11/2018		7.0700		
pH	S.U.	MW-17	10/30/2018		6.7300		
pH	S.U.	MW-17	04/01/2019		7.0500		
pH	S.U.	MW-17	10/08/2019		7.0600		
pH	S.U.	MW-17	04/20/2020		7.3300		
pH	S.U.	MW-17	10/20/2020		7.5900		
pH	S.U.	MW-17	04/26/2021		7.6900		
pH	S.U.	MW-17	08/16/2021		7.3900		
pH	S.U.	MW-17	06/01/2022		7.0500		
pH	S.U.	MW-17	10/03/2022		7.5100		
pH	S.U.	MW-17	05/03/2023		6.4700		
pH	S.U.	MW-17	10/11/2023		7.4500		
pH	S.U.	MW-17	05/08/2024		7.8900		
pH	S.U.	MW-17	10/29/2024		7.1400		
pH	S.U.	MW-17	04/16/2025		6.9800		
pH	S.U.	MW-17	11/05/2025		7.9600		
Specific Conductance	umhos/cm	MW-17	04/22/1998		408.0000		
Specific Conductance	umhos/cm	MW-17	07/01/1998		450.0000		
Specific Conductance	umhos/cm	MW-17	10/19/1998		444.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Specific Conductance	umhos/cm	MW-17	04/30/1999		449.0000		
Specific Conductance	umhos/cm	MW-17	09/01/1999		449.0000		
Specific Conductance	umhos/cm	MW-17	04/12/2000		465.0000		
Specific Conductance	umhos/cm	MW-17	10/17/2000		440.0000		
Specific Conductance	umhos/cm	MW-17	04/25/2001		511.0000		
Specific Conductance	umhos/cm	MW-17	10/23/2001		473.0000		
Specific Conductance	umhos/cm	MW-17	04/28/2002		427.0000		
Specific Conductance	umhos/cm	MW-17	10/06/2002		417.0000		
Specific Conductance	umhos/cm	MW-17	04/03/2003		299.0000		
Specific Conductance	umhos/cm	MW-17	10/07/2003		572.0000		
Specific Conductance	umhos/cm	MW-17	04/30/2004		525.0000		
Specific Conductance	umhos/cm	MW-17	10/12/2004		861.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2005		131.0000		*
Specific Conductance	umhos/cm	MW-17	10/11/2005		699.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2006		632.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2006		620.0000		
Specific Conductance	umhos/cm	MW-17	04/23/2007		638.0000		
Specific Conductance	umhos/cm	MW-17	10/09/2007		663.0000		
Specific Conductance	umhos/cm	MW-17	04/07/2008		729.0000		
Specific Conductance	umhos/cm	MW-17	10/14/2008		646.0000		
Specific Conductance	umhos/cm	MW-17	04/07/2009		613.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2009		625.0000		
Specific Conductance	umhos/cm	MW-17	04/01/2010		649.0000		
Specific Conductance	umhos/cm	MW-17	10/01/2010		636.0000		
Specific Conductance	umhos/cm	MW-17	04/07/2011		591.0000		
Specific Conductance	umhos/cm	MW-17	10/27/2011		611.0000		
Specific Conductance	umhos/cm	MW-17	04/23/2012		599.0000		
Specific Conductance	umhos/cm	MW-17	10/23/2012		774.0000		
Specific Conductance	umhos/cm	MW-17	04/16/2013		725.0000		
Specific Conductance	umhos/cm	MW-17	10/28/2013		745.0000		
Specific Conductance	umhos/cm	MW-17	04/24/2014		780.0000		
Specific Conductance	umhos/cm	MW-17	10/06/2014		769.0000		
Specific Conductance	umhos/cm	MW-17	04/21/2015		777.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2015		800.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2016		777.0000		
Specific Conductance	umhos/cm	MW-17	10/05/2016		845.0000		
Specific Conductance	umhos/cm	MW-17	04/04/2017		752.0000		
Specific Conductance	umhos/cm	MW-17	10/10/2017		644.0000		
Specific Conductance	umhos/cm	MW-17	04/11/2018		733.0000		
Specific Conductance	umhos/cm	MW-17	10/30/2018		1115.0000		
Specific Conductance	umhos/cm	MW-17	04/01/2019		806.0000		
Specific Conductance	umhos/cm	MW-17	10/08/2019		856.0000		
Specific Conductance	umhos/cm	MW-17	04/20/2020		908.0000		
Specific Conductance	umhos/cm	MW-17	10/20/2020		860.0000		
Specific Conductance	umhos/cm	MW-17	04/26/2021		1025.0000		
Specific Conductance	umhos/cm	MW-17	08/16/2021		1058.0000		
Specific Conductance	umhos/cm	MW-17	06/01/2022		1059.0000		
Specific Conductance	umhos/cm	MW-17	10/03/2022		852.0000		
Specific Conductance	umhos/cm	MW-17	05/03/2023		1326.0000		
Specific Conductance	umhos/cm	MW-17	10/11/2023		827.0000		
Specific Conductance	umhos/cm	MW-17	05/08/2024		864.0000		
Specific Conductance	umhos/cm	MW-17	10/29/2024		824.0000		
Specific Conductance	umhos/cm	MW-17	04/16/2025		895.0000		
Specific Conductance	umhos/cm	MW-17	11/05/2025		876.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Ammonia as N	mg/L	MW-10	11/05/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-10	11/05/2025		32.5000	***	14.3000
Chloride	mg/L	MW-10	11/05/2025		170.0000	***	7.3000
Iron, Dissolved	ug/L	MW-10	11/05/2025	ND	500.0000		100.0000
pH	S.U.	MW-10	11/05/2025		6.8000		6.11 - 8.20
Specific Conductance	umhos/cm	MW-10	11/05/2025		1351.0000	***	1193.5613
Ammonia as N	mg/L	MW-11	11/05/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-11	11/05/2025		9.7700	**	14.3000
Chloride	mg/L	MW-11	11/05/2025		121.0000	***	7.3000
Iron, Dissolved	ug/L	MW-11	11/05/2025	ND	500.0000		100.0000
pH	S.U.	MW-11	11/05/2025		7.2600		6.11 - 8.20
Specific Conductance	umhos/cm	MW-11	11/05/2025		1369.0000	***	1193.5613
Ammonia as N	mg/L	MW-12	11/05/2025		0.3690	*	0.2000
Chemical Oxygen Demand	mg/L	MW-12	11/05/2025		7.6700	**	14.3000
Chloride	mg/L	MW-12	11/05/2025		34.7000	***	7.3000
Iron, Dissolved	ug/L	MW-12	11/05/2025		17200.0000	***	100.0000
pH	S.U.	MW-12	11/05/2025		6.6600		6.11 - 8.20
Specific Conductance	umhos/cm	MW-12	11/05/2025		1335.0000	***	1193.5613
Ammonia as N	mg/L	MW-13	11/05/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-13	11/05/2025		29.5000	***	14.3000
Chloride	mg/L	MW-13	11/05/2025		57.6000	***	7.3000
Iron, Dissolved	ug/L	MW-13	11/05/2025	ND	500.0000		100.0000
pH	S.U.	MW-13	11/05/2025		7.3700		6.11 - 8.20
Specific Conductance	umhos/cm	MW-13	11/05/2025		1112.0000	**	1193.5613
Ammonia as N	mg/L	MW-14	11/05/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-14	11/05/2025		16.4000	***	14.3000
Chloride	mg/L	MW-14	11/05/2025		97.9000	***	7.3000
Iron, Dissolved	ug/L	MW-14	11/05/2025	ND	500.0000	**	100.0000
pH	S.U.	MW-14	11/05/2025		6.8100		6.11 - 8.20
Specific Conductance	umhos/cm	MW-14	11/05/2025		1564.0000	***	1193.5613
Ammonia as N	mg/L	MW-16	11/05/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-16	11/05/2025		5.2300		14.3000
Chloride	mg/L	MW-16	11/05/2025		9.3100	***	7.3000
Iron, Dissolved	ug/L	MW-16	11/05/2025	ND	500.0000		100.0000
pH	S.U.	MW-16	11/05/2025		7.4800		6.11 - 8.20
Specific Conductance	umhos/cm	MW-16	11/05/2025		1520.0000	***	1193.5613
Ammonia as N	mg/L	MW-8	11/05/2025	ND	0.2000		0.2000
Chemical Oxygen Demand	mg/L	MW-8	11/05/2025		6.9800		14.3000
Chloride	mg/L	MW-8	11/05/2025		26.6000	***	7.3000
Iron, Dissolved	ug/L	MW-8	11/05/2025	ND	500.0000		100.0000
pH	S.U.	MW-8	11/05/2025		6.9600		6.11 - 8.20
Specific Conductance	umhos/cm	MW-8	11/05/2025		1364.0000	***	1193.5613

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 3**Detection Frequencies in Upgradient and Downgradient Wells**

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Ammonia as N	0	59	0.000	11	376	0.029
Chemical Oxygen Demand	14	57	0.246	223	376	0.593
Chloride	6	59	0.102	376	376	1.000
Iron, Dissolved	0	59	0.000	114	376	0.303
pH	57	57	1.000	375	375	1.000
Specific Conductance	56	56	1.000	375	375	1.000

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Ammonia as N	0	59	0.000									nonpar
Chemical Oxygen Demand	14	57	0.246	0.572	0.217					2.326	normal	nonpar
Chloride	6	59	0.102	1.397	0.763					2.326	normal	nonpar
Iron, Dissolved	0	59	0.000									nonpar
pH	57	57	1.000	0.005	0.149					2.326	normal	normal
Specific Conductance	56	56	1.000	0.337	0.341					2.326	normal	normal

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Ammonia as N	mg/L	0	59					0.2000	nonpar	***	0.99
Chemical Oxygen Demand	mg/L	14	57					14.3000	nonpar		0.99
Chloride	mg/L	6	59					7.3000	nonpar		0.99
Iron, Dissolved	ug/L	0	59					100.0000	nonpar	***	0.99
pH	S.U.	57	57	7.1577	0.3891	0.0100	2.6897	6.11 - 8.20	normal		
Specific Conductance	umhos/cm	56	56	703.8036	202.6020	0.0100	2.4173	1193.5613	normal		

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6**Dixon's Test Outliers
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Chemical Oxygen Demand	mg/L	MW-17	10/10/2017	25.0000	< 25.0000	11/10/1997-11/05/2025	59	0.3672
Chemical Oxygen Demand	mg/L	MW-17	06/01/2022	21.2000		11/10/1997-11/05/2025	59	0.3672
Specific Conductance	umhos/cm	MW-17	04/26/2005	131.0000		04/22/1998-11/05/2025	57	0.3689

N = Total number of independent measurements in background at each well.

Date Range = Dates of the first and last measurements included in background at each well.

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-10	08/09/1996		140.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/10/1996	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	01/21/1997		5.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/17/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/04/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/22/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/19/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/30/1999		63.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	09/01/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/12/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/17/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/25/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/23/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/28/2002		5.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/06/2002		6.9000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/03/2003	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/07/2003	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/30/2004	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/12/2004	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/11/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2006	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2006		11.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/23/2007		12.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/09/2007		8.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/07/2008	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/14/2008		11.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/07/2009		10.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2009	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/01/2010		9.6000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/01/2010		21.8000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/07/2011		9.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/27/2011		26.7000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/23/2012	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/23/2012		43.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/16/2013		12.2000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/28/2013		62.1000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/24/2014		6.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/06/2014		15.8000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/21/2015		12.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2015		18.9000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2016		24.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/05/2016		41.8000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/04/2017	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/10/2017		12.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/11/2018		21.4000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/30/2018		55.1000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/01/2019		37.8000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/08/2019		44.5000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/20/2020		53.4000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/20/2020		64.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/26/2021		66.8000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	08/16/2021		28.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	06/01/2022		36.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	05/03/2023		26.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/11/2023		40.9000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	05/02/2024		14.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	10/29/2024		29.1000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	04/16/2025		51.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-10	11/05/2025		32.5000 *	14.3000
Chloride	mg/L	MW-10	08/09/1996		13.0000 *	7.3000
Chloride	mg/L	MW-10	10/10/1996		14.0000 *	7.3000
Chloride	mg/L	MW-10	01/21/1997		15.0000 *	7.3000
Chloride	mg/L	MW-10	04/17/1997		22.0000 *	7.3000
Chloride	mg/L	MW-10	10/04/1997		19.0000 *	7.3000
Chloride	mg/L	MW-10	04/22/1998		19.6000 *	7.3000
Chloride	mg/L	MW-10	10/19/1998		20.0000 *	7.3000
Chloride	mg/L	MW-10	04/30/1999		21.0000 *	7.3000
Chloride	mg/L	MW-10	09/01/1999		21.0000 *	7.3000
Chloride	mg/L	MW-10	04/12/2000		18.6000 *	7.3000
Chloride	mg/L	MW-10	10/17/2000		19.7000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-10	04/25/2001		16.7000 *	7.3000
Chloride	mg/L	MW-10	10/23/2001		18.6000 *	7.3000
Chloride	mg/L	MW-10	04/28/2002		17.9000 *	7.3000
Chloride	mg/L	MW-10	10/06/2002		17.8000 *	7.3000
Chloride	mg/L	MW-10	04/03/2003		23.0000 *	7.3000
Chloride	mg/L	MW-10	10/07/2003		23.6000 *	7.3000
Chloride	mg/L	MW-10	04/30/2004		24.0000 *	7.3000
Chloride	mg/L	MW-10	10/12/2004		26.2000 *	7.3000
Chloride	mg/L	MW-10	04/26/2005		28.1000 *	7.3000
Chloride	mg/L	MW-10	10/11/2005		28.7000 *	7.3000
Chloride	mg/L	MW-10	04/26/2006		26.2000 *	7.3000
Chloride	mg/L	MW-10	10/05/2006		25.1000 *	7.3000
Chloride	mg/L	MW-10	04/23/2007		28.8000 *	7.3000
Chloride	mg/L	MW-10	10/09/2007		31.1000 *	7.3000
Chloride	mg/L	MW-10	04/07/2008		33.9000 *	7.3000
Chloride	mg/L	MW-10	10/14/2008		35.4000 *	7.3000
Chloride	mg/L	MW-10	04/07/2009		37.4000 *	7.3000
Chloride	mg/L	MW-10	10/05/2009		39.6000 *	7.3000
Chloride	mg/L	MW-10	04/01/2010		50.8000 *	7.3000
Chloride	mg/L	MW-10	10/01/2010		52.4000 *	7.3000
Chloride	mg/L	MW-10	04/07/2011		51.8000 *	7.3000
Chloride	mg/L	MW-10	10/27/2011		65.7000 *	7.3000
Chloride	mg/L	MW-10	04/23/2012		56.1000 *	7.3000
Chloride	mg/L	MW-10	10/23/2012		46.7000 *	7.3000
Chloride	mg/L	MW-10	04/16/2013		47.0000 *	7.3000
Chloride	mg/L	MW-10	10/28/2013		58.5000 *	7.3000
Chloride	mg/L	MW-10	04/24/2014		55.4000 *	7.3000
Chloride	mg/L	MW-10	10/06/2014		69.7000 *	7.3000
Chloride	mg/L	MW-10	04/21/2015		81.8000 *	7.3000
Chloride	mg/L	MW-10	10/05/2015		80.2000 *	7.3000
Chloride	mg/L	MW-10	04/26/2016		101.0000 *	7.3000
Chloride	mg/L	MW-10	10/05/2016		179.0000 *	7.3000
Chloride	mg/L	MW-10	04/04/2017		112.0000 *	7.3000
Chloride	mg/L	MW-10	10/10/2017		85.4000 *	7.3000
Chloride	mg/L	MW-10	04/11/2018		102.0000 *	7.3000
Chloride	mg/L	MW-10	10/30/2018		140.0000 *	7.3000
Chloride	mg/L	MW-10	04/01/2019		372.0000 *	7.3000
Chloride	mg/L	MW-10	10/08/2019		196.0000 *	7.3000
Chloride	mg/L	MW-10	04/20/2020		295.0000 *	7.3000
Chloride	mg/L	MW-10	10/20/2020		269.0000 *	7.3000
Chloride	mg/L	MW-10	04/26/2021		392.0000 *	7.3000
Chloride	mg/L	MW-10	08/16/2021		115.0000 *	7.3000
Chloride	mg/L	MW-10	06/01/2022		107.0000 *	7.3000
Chloride	mg/L	MW-10	05/03/2023		166.0000 *	7.3000
Chloride	mg/L	MW-10	10/11/2023		101.0000 *	7.3000
Chloride	mg/L	MW-10	05/02/2024		153.0000 *	7.3000
Chloride	mg/L	MW-10	10/29/2024		149.0000 *	7.3000
Chloride	mg/L	MW-10	04/16/2025		110.0000 *	7.3000
Chloride	mg/L	MW-10	11/05/2025		170.0000 *	7.3000
Specific Conductance	umhos/cm	MW-10	08/09/1996		787.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/10/1996		695.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	01/21/1997		625.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/17/1997		724.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/04/1997		644.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/22/1998		684.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/19/1998		742.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/30/1999		713.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	09/01/1999		774.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/12/2000		700.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/17/2000		729.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/25/2001		570.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/23/2001		740.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/28/2002		463.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/06/2002		645.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/03/2003		753.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/07/2003		550.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/30/2004		693.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/12/2004		532.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/26/2005		575.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/11/2005		1051.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/26/2006		879.0000	1193.5613

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Specific Conductance	umhos/cm	MW-10	10/05/2006		972.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/23/2007		943.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/09/2007		1062.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/07/2008		1199.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/14/2008		1069.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/07/2009		982.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/05/2009		973.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/01/2010		1045.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/01/2010		1100.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/07/2011		1014.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/27/2011		1141.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/23/2012		1075.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/23/2012		1258.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/16/2013		1166.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	10/28/2013		1297.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/24/2014		1248.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/06/2014		1394.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/21/2015		1374.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/05/2015		1394.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/26/2016		1241.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/05/2016		1785.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/04/2017		1325.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/10/2017		1146.0000	1193.5613
Specific Conductance	umhos/cm	MW-10	04/11/2018		1200.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/30/2018		1776.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/01/2019		1890.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/08/2019		1855.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/20/2020		1861.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/20/2020		2520.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/26/2021		1999.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	08/16/2021		1673.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	06/01/2022		1472.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	05/03/2023		1538.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/11/2023		1394.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	10/29/2024		1602.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	04/16/2025		1349.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-10	11/05/2025		1351.0000 *	1193.5613
Chemical Oxygen Demand	mg/L	MW-11	07/12/1996		5.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/10/1996		5.2000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	01/21/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/17/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/04/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/22/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/19/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/30/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	09/01/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/12/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/17/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/25/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/23/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/28/2002		5.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/06/2002		23.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/03/2003		7.8000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/07/2003	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/30/2004	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/12/2004	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/26/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/11/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/26/2006	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2006		10.6000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/23/2007		13.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/09/2007		8.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/07/2008		10.6000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/14/2008		11.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/07/2009	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2009	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/01/2010	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/01/2010		18.7000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/07/2011		5.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/27/2011		26.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/23/2012	ND	5.0000	14.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-11	10/23/2012	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/16/2013	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/28/2013		14.4000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/24/2014	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/06/2014		9.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/21/2015		8.6700	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2015		7.9400	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/26/2016		6.4700	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/05/2016		6.7400	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/04/2017	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/10/2017	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/11/2018		13.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/30/2018		7.8200	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/01/2019		16.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/08/2019	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/20/2020		7.2500	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/20/2020		9.2100	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/26/2021		15.1000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	08/16/2021		8.9000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	06/01/2022		7.5900	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/03/2022		6.5400	14.3000
Chemical Oxygen Demand	mg/L	MW-11	05/03/2023		8.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/11/2023		9.4800	14.3000
Chemical Oxygen Demand	mg/L	MW-11	05/02/2024		6.2400	14.3000
Chemical Oxygen Demand	mg/L	MW-11	10/29/2024		52.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	04/16/2025		23.3000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-11	11/05/2025		9.7700	14.3000
Chloride	mg/L	MW-11	07/12/1996		19.0000 *	7.3000
Chloride	mg/L	MW-11	10/10/1996		19.0000 *	7.3000
Chloride	mg/L	MW-11	01/21/1997		22.0000 *	7.3000
Chloride	mg/L	MW-11	04/17/1997		20.0000 *	7.3000
Chloride	mg/L	MW-11	10/04/1997		28.0000 *	7.3000
Chloride	mg/L	MW-11	04/22/1998		20.2000 *	7.3000
Chloride	mg/L	MW-11	10/19/1998		32.0000 *	7.3000
Chloride	mg/L	MW-11	04/30/1999		37.0000 *	7.3000
Chloride	mg/L	MW-11	09/01/1999		33.0000 *	7.3000
Chloride	mg/L	MW-11	04/12/2000		6.4000	7.3000
Chloride	mg/L	MW-11	10/17/2000		5.5000	7.3000
Chloride	mg/L	MW-11	04/25/2001		12.9000 *	7.3000
Chloride	mg/L	MW-11	10/23/2001		16.0000 *	7.3000
Chloride	mg/L	MW-11	04/28/2002		18.0000 *	7.3000
Chloride	mg/L	MW-11	10/06/2002		18.8000 *	7.3000
Chloride	mg/L	MW-11	04/03/2003		12.3000 *	7.3000
Chloride	mg/L	MW-11	10/07/2003		15.8000 *	7.3000
Chloride	mg/L	MW-11	04/30/2004		23.4000 *	7.3000
Chloride	mg/L	MW-11	10/12/2004		44.9000 *	7.3000
Chloride	mg/L	MW-11	04/26/2005		56.3000 *	7.3000
Chloride	mg/L	MW-11	10/11/2005		50.5000 *	7.3000
Chloride	mg/L	MW-11	04/26/2006		38.2000 *	7.3000
Chloride	mg/L	MW-11	10/05/2006		14.0000 *	7.3000
Chloride	mg/L	MW-11	04/23/2007		16.0000 *	7.3000
Chloride	mg/L	MW-11	10/09/2007		23.9000 *	7.3000
Chloride	mg/L	MW-11	04/07/2008		67.9000 *	7.3000
Chloride	mg/L	MW-11	10/14/2008		67.1000 *	7.3000
Chloride	mg/L	MW-11	04/07/2009		64.9000 *	7.3000
Chloride	mg/L	MW-11	10/05/2009		61.3000 *	7.3000
Chloride	mg/L	MW-11	04/01/2010		61.6000 *	7.3000
Chloride	mg/L	MW-11	10/01/2010		46.1000 *	7.3000
Chloride	mg/L	MW-11	04/07/2011		59.9000 *	7.3000
Chloride	mg/L	MW-11	10/27/2011		61.9000 *	7.3000
Chloride	mg/L	MW-11	04/23/2012		72.4000 *	7.3000
Chloride	mg/L	MW-11	10/23/2012		29.3000 *	7.3000
Chloride	mg/L	MW-11	04/16/2013		17.6000 *	7.3000
Chloride	mg/L	MW-11	10/28/2013		57.6000 *	7.3000
Chloride	mg/L	MW-11	04/24/2014		64.2000 *	7.3000
Chloride	mg/L	MW-11	10/06/2014		45.1000 *	7.3000
Chloride	mg/L	MW-11	04/21/2015		78.7000 *	7.3000
Chloride	mg/L	MW-11	10/05/2015		84.3000 *	7.3000
Chloride	mg/L	MW-11	04/26/2016		61.1000 *	7.3000
Chloride	mg/L	MW-11	10/05/2016		78.5000 *	7.3000
Chloride	mg/L	MW-11	04/04/2017		102.0000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-11	10/10/2017		91.8000 *	7.3000
Chloride	mg/L	MW-11	04/11/2018		89.3000 *	7.3000
Chloride	mg/L	MW-11	10/30/2018		75.1000 *	7.3000
Chloride	mg/L	MW-11	04/01/2019		81.0000 *	7.3000
Chloride	mg/L	MW-11	10/08/2019		69.2000 *	7.3000
Chloride	mg/L	MW-11	04/20/2020		72.0000 *	7.3000
Chloride	mg/L	MW-11	10/20/2020		84.1000 *	7.3000
Chloride	mg/L	MW-11	04/26/2021		100.0000 *	7.3000
Chloride	mg/L	MW-11	08/16/2021		38.4000 *	7.3000
Chloride	mg/L	MW-11	06/01/2022		26.9000 *	7.3000
Chloride	mg/L	MW-11	10/03/2022		24.3000 *	7.3000
Chloride	mg/L	MW-11	05/03/2023		25.1000 *	7.3000
Chloride	mg/L	MW-11	10/11/2023		55.4000 *	7.3000
Chloride	mg/L	MW-11	05/02/2024		101.0000 *	7.3000
Chloride	mg/L	MW-11	10/29/2024		128.0000 *	7.3000
Chloride	mg/L	MW-11	04/16/2025		110.0000 *	7.3000
Chloride	mg/L	MW-11	11/05/2025		121.0000 *	7.3000
Specific Conductance	umhos/cm	MW-11	07/12/1996		465.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/10/1996		622.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	01/21/1997		515.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/17/1997		537.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/04/1997		543.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/22/1998		625.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/19/1998		667.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/30/1999		707.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	09/01/1999		736.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/12/2000		737.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/17/2000		740.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/25/2001		428.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/23/2001		733.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/28/2002		784.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/06/2002		684.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/03/2003		735.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/07/2003		832.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/30/2004		615.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/12/2004		1266.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	04/26/2005		658.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/11/2005		989.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/26/2006		882.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/05/2006		975.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/23/2007		979.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/09/2007		1030.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/07/2008		1170.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/14/2008		992.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/07/2009		1034.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/05/2009		1052.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/01/2010		1121.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/01/2010		1071.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/07/2011		1039.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/27/2011		1003.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/23/2012		1060.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/23/2012		1187.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/16/2013		1121.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/28/2013		1193.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/24/2014		1178.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/06/2014		1082.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	04/21/2015		1215.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	10/05/2015		1221.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	04/26/2016		1218.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	10/05/2016		1299.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	04/04/2017		1234.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	10/10/2017		1196.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	04/11/2018		1175.0000	1193.5613
Specific Conductance	umhos/cm	MW-11	10/30/2018		1204.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	04/01/2019		1296.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	10/08/2019		1316.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	04/20/2020		1416.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	10/20/2020		1462.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	04/26/2021		1553.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	08/16/2021		1465.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-11	06/01/2022		1245.0000 *	1193.5613

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Specific Conductance	umhos/cm	MW-11	10/03/2022		1266.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-11	05/03/2023		1259.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-11	10/11/2023		1300.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-11	05/02/2024		1274.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-11	10/29/2024		1345.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-11	04/16/2025		1372.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-11	11/05/2025		1369.0000	*	1193.5613
Ammonia as N	mg/L	MW-12	10/10/1996	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	01/21/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/17/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	07/15/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/04/1997	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/22/1998	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/19/1998		0.2100	*	0.2000
Ammonia as N	mg/L	MW-12	04/30/1999	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	09/01/1999	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/12/2000	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/17/2000	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/25/2001	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/23/2001	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/28/2002	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/06/2002	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/03/2003	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/07/2003	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/30/2004	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/12/2004	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/26/2005	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/11/2005	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/26/2006	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/05/2006	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/23/2007	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/09/2007	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/07/2008	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/14/2008	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/07/2009	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/05/2009	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/01/2010	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/01/2010	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/07/2011	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/27/2011	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/23/2012	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/23/2012	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/16/2013	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/28/2013	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/24/2014	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/06/2014	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/21/2015	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/05/2015	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/26/2016	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/05/2016	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/04/2017	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/10/2017	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/11/2018	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/30/2018	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/01/2019	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/08/2019	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/20/2020	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/20/2020	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	04/26/2021	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	08/16/2021	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	06/01/2022	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/03/2022	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	05/03/2023	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/11/2023	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	05/02/2024	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	10/29/2024		0.5640	*	0.2000
Ammonia as N	mg/L	MW-12	04/16/2025	ND	0.2000		0.2000
Ammonia as N	mg/L	MW-12	11/05/2025		0.3690	*	0.2000
Chemical Oxygen Demand	mg/L	MW-12	10/10/1996		7.0000		14.3000
Chemical Oxygen Demand	mg/L	MW-12	01/21/1997		11.0000		14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/17/1997	ND	5.0000		14.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-12	07/15/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/04/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/22/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/19/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/30/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	09/01/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/12/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/17/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/25/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/23/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/28/2002		8.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/06/2002		22.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/03/2003		13.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/07/2003	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/30/2004		8.2000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/12/2004	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/26/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/11/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/26/2006	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/05/2006		14.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/23/2007		12.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/09/2007		8.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/07/2008		9.2000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/14/2008		9.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/07/2009		6.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/05/2009		9.8000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/01/2010	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/01/2010		6.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/07/2011		6.8000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/27/2011		11.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/23/2012	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/23/2012	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/16/2013		9.9000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/28/2013	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/24/2014	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/06/2014		9.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/21/2015		11.8000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/05/2015		8.2800	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/26/2016		12.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/05/2016		14.5000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/04/2017	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/10/2017	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/11/2018		8.2000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/30/2018		19.3000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/01/2019	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/08/2019		7.6300	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/20/2020	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/20/2020		10.2000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/26/2021		16.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	08/16/2021		11.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-12	06/01/2022		5.9300	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/03/2022		6.1900	14.3000
Chemical Oxygen Demand	mg/L	MW-12	05/03/2023		15.5000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/11/2023		20.3000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	05/02/2024		7.2400	14.3000
Chemical Oxygen Demand	mg/L	MW-12	10/29/2024		19.1000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	04/16/2025		20.9000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-12	11/05/2025		7.6700	14.3000
Chloride	mg/L	MW-12	10/10/1996		5.4000	7.3000
Chloride	mg/L	MW-12	01/21/1997		6.4000	7.3000
Chloride	mg/L	MW-12	04/17/1997		7.5000 *	7.3000
Chloride	mg/L	MW-12	07/15/1997		6.8000	7.3000
Chloride	mg/L	MW-12	10/04/1997		6.6000	7.3000
Chloride	mg/L	MW-12	04/22/1998		8.1000 *	7.3000
Chloride	mg/L	MW-12	10/19/1998		7.4000 *	7.3000
Chloride	mg/L	MW-12	04/30/1999		9.6000 *	7.3000
Chloride	mg/L	MW-12	09/01/1999		8.3000 *	7.3000
Chloride	mg/L	MW-12	04/12/2000		6.4000	7.3000
Chloride	mg/L	MW-12	10/17/2000		7.9000 *	7.3000
Chloride	mg/L	MW-12	04/25/2001		8.0000 *	7.3000
Chloride	mg/L	MW-12	10/23/2001		16.2000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-12	04/28/2002		17.4000 *	7.3000
Chloride	mg/L	MW-12	10/06/2002		27.0000 *	7.3000
Chloride	mg/L	MW-12	04/03/2003		43.1000 *	7.3000
Chloride	mg/L	MW-12	10/07/2003		81.1000 *	7.3000
Chloride	mg/L	MW-12	04/30/2004		60.4000 *	7.3000
Chloride	mg/L	MW-12	10/12/2004		50.1000 *	7.3000
Chloride	mg/L	MW-12	04/26/2005		21.5000 *	7.3000
Chloride	mg/L	MW-12	10/11/2005		21.4000 *	7.3000
Chloride	mg/L	MW-12	04/26/2006		9.8800 *	7.3000
Chloride	mg/L	MW-12	10/05/2006		14.5000 *	7.3000
Chloride	mg/L	MW-12	04/23/2007		10.7000 *	7.3000
Chloride	mg/L	MW-12	10/09/2007		23.9000 *	7.3000
Chloride	mg/L	MW-12	04/07/2008		13.2000 *	7.3000
Chloride	mg/L	MW-12	10/14/2008		19.8000 *	7.3000
Chloride	mg/L	MW-12	04/07/2009		9.3000 *	7.3000
Chloride	mg/L	MW-12	10/05/2009		9.8000 *	7.3000
Chloride	mg/L	MW-12	04/01/2010		11.0000 *	7.3000
Chloride	mg/L	MW-12	10/01/2010		25.9000 *	7.3000
Chloride	mg/L	MW-12	04/07/2011		16.0000 *	7.3000
Chloride	mg/L	MW-12	10/27/2011		14.2000 *	7.3000
Chloride	mg/L	MW-12	04/23/2012		12.3000 *	7.3000
Chloride	mg/L	MW-12	10/23/2012		9.3700 *	7.3000
Chloride	mg/L	MW-12	04/16/2013		9.3200 *	7.3000
Chloride	mg/L	MW-12	10/28/2013		35.8000 *	7.3000
Chloride	mg/L	MW-12	04/24/2014		23.8000 *	7.3000
Chloride	mg/L	MW-12	10/06/2014		37.9000 *	7.3000
Chloride	mg/L	MW-12	04/21/2015		63.7000 *	7.3000
Chloride	mg/L	MW-12	10/05/2015		61.4000 *	7.3000
Chloride	mg/L	MW-12	04/26/2016		130.0000 *	7.3000
Chloride	mg/L	MW-12	10/05/2016		106.0000 *	7.3000
Chloride	mg/L	MW-12	04/04/2017		42.9000 *	7.3000
Chloride	mg/L	MW-12	10/10/2017		19.2000 *	7.3000
Chloride	mg/L	MW-12	04/11/2018		15.2000 *	7.3000
Chloride	mg/L	MW-12	10/30/2018		42.6000 *	7.3000
Chloride	mg/L	MW-12	04/01/2019		31.5000 *	7.3000
Chloride	mg/L	MW-12	10/08/2019		12.0000 *	7.3000
Chloride	mg/L	MW-12	04/20/2020		11.2000 *	7.3000
Chloride	mg/L	MW-12	10/20/2020		12.3000 *	7.3000
Chloride	mg/L	MW-12	04/26/2021		9.3200 *	7.3000
Chloride	mg/L	MW-12	08/16/2021		12.5000 *	7.3000
Chloride	mg/L	MW-12	06/01/2022		32.0000 *	7.3000
Chloride	mg/L	MW-12	10/03/2022		21.7000 *	7.3000
Chloride	mg/L	MW-12	05/03/2023		29.1000 *	7.3000
Chloride	mg/L	MW-12	10/11/2023		34.0000 *	7.3000
Chloride	mg/L	MW-12	05/02/2024		40.7000 *	7.3000
Chloride	mg/L	MW-12	10/29/2024		68.7000 *	7.3000
Chloride	mg/L	MW-12	04/16/2025		43.7000 *	7.3000
Chloride	mg/L	MW-12	11/05/2025		34.7000 *	7.3000
Iron, Dissolved	ug/L	MW-12	10/10/1996	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	01/21/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/17/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	07/15/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/04/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/22/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/19/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/30/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	09/01/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/12/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/17/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/25/2001	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/23/2001	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/28/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/06/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/03/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/07/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/30/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	10/12/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2005		300.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/11/2005		1500.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2006		2290.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2006		650.0000 *	100.0000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Iron, Dissolved	ug/L	MW-12	04/23/2007		816.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/09/2007		3090.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/07/2008		465.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/14/2008		1610.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/07/2009		2400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2009		7220.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/01/2010		5400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/01/2010		6230.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/07/2011		5660.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/27/2011		5300.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/23/2012		4510.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/23/2012		7640.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/16/2013		5970.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/28/2013		8850.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/24/2014		10100.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/06/2014		13500.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/21/2015		19800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2015		21700.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2016		15600.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/05/2016		19200.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/04/2017		13100.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/10/2017		17100.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/11/2018		22900.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/30/2018		27900.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/01/2019		20200.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/08/2019		27400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/20/2020		24800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/20/2020		19400.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/26/2021		27800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	08/16/2021		29900.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	06/01/2022		25300.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/03/2022		9460.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	05/03/2023		10800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/11/2023		7290.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	05/02/2024		6970.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	10/29/2024		13800.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	04/16/2025		14200.0000 *	100.0000
Iron, Dissolved	ug/L	MW-12	11/05/2025		17200.0000 *	100.0000
Specific Conductance	umhos/cm	MW-12	10/10/1996		1026.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	01/21/1997		922.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/17/1997		1010.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	07/15/1997		1017.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	10/04/1997		906.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/22/1998		1044.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	10/19/1998		1046.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/30/1999		1102.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	09/01/1999		1171.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/12/2000		1087.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	10/17/2000		1129.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/25/2001		1223.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/23/2001		1165.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/28/2002		1040.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	10/06/2002		1051.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/03/2003		1319.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/07/2003		671.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/30/2004		1106.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	10/12/2004		496.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	04/26/2005		182.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	10/11/2005		1571.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/26/2006		1374.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/05/2006		1369.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/23/2007		1270.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/09/2007		1451.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/07/2008		1571.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/14/2008		1377.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/07/2009		1326.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/05/2009		1371.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/01/2010		1357.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/01/2010		1399.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/07/2011		1184.0000	1193.5613
Specific Conductance	umhos/cm	MW-12	10/27/2011		1205.0000 *	1193.5613

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Specific Conductance	umhos/cm	MW-12	04/23/2012		1199.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/23/2012		1518.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/16/2013		1476.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/28/2013		1523.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/24/2014		1512.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/06/2014		1547.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/21/2015		1601.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/05/2015		1637.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/26/2016		1786.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/05/2016		1706.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/04/2017		1375.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/10/2017		1287.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/11/2018		1304.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/30/2018		1556.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/01/2019		1399.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/08/2019		1499.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/20/2020		1386.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/20/2020		1684.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/26/2021		1637.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	08/16/2021		1754.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	06/01/2022		1371.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/03/2022		1494.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	05/03/2023		1481.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/11/2023		1422.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	05/02/2024		1440.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	10/29/2024		1348.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	04/16/2025		1355.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-12	11/05/2025		1335.0000 *	1193.5613
Chemical Oxygen Demand	mg/L	MW-13	07/12/1996		63.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/10/1996	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	01/21/1997		7.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/17/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/04/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/22/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/19/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/30/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	09/01/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/12/2000		22.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/17/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/25/2001		6.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/23/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/28/2002		8.2000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/06/2002		8.4000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/03/2003		10.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/07/2003	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/30/2004		12.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/12/2004	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/11/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2006		6.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2006		13.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/23/2007		9.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/09/2007	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/07/2008	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/14/2008		5.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/07/2009		8.8000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2009	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/01/2010		9.6000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/01/2010		17.9000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/07/2011		12.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/27/2011		14.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/23/2012	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/23/2012	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/16/2013	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/28/2013		15.4000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/24/2014	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/06/2014		8.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/21/2015		10.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2015		7.9400	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2016		15.3000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/05/2016		10.6000	14.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-13	04/04/2017		5.2300	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/10/2017		6.5100	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/11/2018		17.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/30/2018		18.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/01/2019		32.5000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/08/2019		60.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/20/2020		26.7000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/20/2020		8.5600	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/26/2021		22.5000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	08/16/2021		12.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	06/01/2022		20.9000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/03/2022		13.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-13	05/03/2023		23.5000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/11/2023		20.3000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	05/08/2024		23.7000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	10/29/2024		42.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	04/16/2025		38.8000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-13	11/05/2025		29.5000 *	14.3000
Chloride	mg/L	MW-13	07/12/1996		12.0000 *	7.3000
Chloride	mg/L	MW-13	10/10/1996		13.0000 *	7.3000
Chloride	mg/L	MW-13	01/21/1997		14.0000 *	7.3000
Chloride	mg/L	MW-13	04/17/1997		18.0000 *	7.3000
Chloride	mg/L	MW-13	10/04/1997		18.0000 *	7.3000
Chloride	mg/L	MW-13	04/22/1998		15.6000 *	7.3000
Chloride	mg/L	MW-13	10/19/1998		18.0000 *	7.3000
Chloride	mg/L	MW-13	04/30/1999		17.0000 *	7.3000
Chloride	mg/L	MW-13	09/01/1999		18.0000 *	7.3000
Chloride	mg/L	MW-13	04/12/2000		17.5000 *	7.3000
Chloride	mg/L	MW-13	10/17/2000		19.9000 *	7.3000
Chloride	mg/L	MW-13	04/25/2001		15.1000 *	7.3000
Chloride	mg/L	MW-13	10/23/2001		16.7000 *	7.3000
Chloride	mg/L	MW-13	04/28/2002		16.6000 *	7.3000
Chloride	mg/L	MW-13	10/06/2002		16.5000 *	7.3000
Chloride	mg/L	MW-13	04/03/2003		24.8000 *	7.3000
Chloride	mg/L	MW-13	10/07/2003		19.7000 *	7.3000
Chloride	mg/L	MW-13	04/30/2004		19.3000 *	7.3000
Chloride	mg/L	MW-13	10/12/2004		18.4000 *	7.3000
Chloride	mg/L	MW-13	04/26/2005		11.6000 *	7.3000
Chloride	mg/L	MW-13	10/11/2005		19.0000 *	7.3000
Chloride	mg/L	MW-13	04/26/2006		18.8000 *	7.3000
Chloride	mg/L	MW-13	10/05/2006		18.2000 *	7.3000
Chloride	mg/L	MW-13	04/23/2007		17.5000 *	7.3000
Chloride	mg/L	MW-13	10/09/2007		20.1000 *	7.3000
Chloride	mg/L	MW-13	04/07/2008		20.0000 *	7.3000
Chloride	mg/L	MW-13	10/14/2008		19.3000 *	7.3000
Chloride	mg/L	MW-13	04/07/2009		18.1000 *	7.3000
Chloride	mg/L	MW-13	10/05/2009		19.9000 *	7.3000
Chloride	mg/L	MW-13	04/01/2010		73.3000 *	7.3000
Chloride	mg/L	MW-13	10/01/2010		51.8000 *	7.3000
Chloride	mg/L	MW-13	04/07/2011		43.1000 *	7.3000
Chloride	mg/L	MW-13	10/27/2011		27.5000 *	7.3000
Chloride	mg/L	MW-13	04/23/2012		15.4000 *	7.3000
Chloride	mg/L	MW-13	10/23/2012		18.3000 *	7.3000
Chloride	mg/L	MW-13	04/16/2013		28.5000 *	7.3000
Chloride	mg/L	MW-13	10/28/2013		60.7000 *	7.3000
Chloride	mg/L	MW-13	04/24/2014		21.6000 *	7.3000
Chloride	mg/L	MW-13	10/06/2014		77.7000 *	7.3000
Chloride	mg/L	MW-13	04/21/2015		143.0000 *	7.3000
Chloride	mg/L	MW-13	10/05/2015		75.7000 *	7.3000
Chloride	mg/L	MW-13	04/26/2016		93.2000 *	7.3000
Chloride	mg/L	MW-13	10/05/2016		73.8000 *	7.3000
Chloride	mg/L	MW-13	04/04/2017		130.0000 *	7.3000
Chloride	mg/L	MW-13	10/10/2017		62.8000 *	7.3000
Chloride	mg/L	MW-13	04/11/2018		124.0000 *	7.3000
Chloride	mg/L	MW-13	10/30/2018		132.0000 *	7.3000
Chloride	mg/L	MW-13	04/01/2019		147.0000 *	7.3000
Chloride	mg/L	MW-13	10/08/2019		179.0000 *	7.3000
Chloride	mg/L	MW-13	04/20/2020		116.0000 *	7.3000
Chloride	mg/L	MW-13	10/20/2020		32.5000 *	7.3000
Chloride	mg/L	MW-13	04/26/2021		85.2000 *	7.3000
Chloride	mg/L	MW-13	08/16/2021		33.1000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-13	06/01/2022		24.7000 *	7.3000
Chloride	mg/L	MW-13	10/03/2022		21.7000 *	7.3000
Chloride	mg/L	MW-13	05/03/2023		73.0000 *	7.3000
Chloride	mg/L	MW-13	10/11/2023		33.1000 *	7.3000
Chloride	mg/L	MW-13	05/08/2024		60.5000 *	7.3000
Chloride	mg/L	MW-13	10/29/2024		38.4000 *	7.3000
Chloride	mg/L	MW-13	04/16/2025		88.1000 *	7.3000
Chloride	mg/L	MW-13	11/05/2025		57.6000 *	7.3000
Specific Conductance	umhos/cm	MW-13	07/12/1996		390.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/10/1996		475.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	01/21/1997		479.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/17/1997		645.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/04/1997		548.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/22/1998		584.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/19/1998		525.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/30/1999		605.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	09/01/1999		558.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/12/2000		517.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/17/2000		536.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/25/2001		648.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/23/2001		530.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/28/2002		423.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/06/2002		499.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/03/2003		930.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/07/2003		646.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/30/2004		792.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/12/2004		346.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/26/2005		608.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/11/2005		764.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/26/2006		641.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/05/2006		687.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/23/2007		668.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/09/2007		868.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/07/2008		804.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/14/2008		1057.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/07/2009		747.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/05/2009		759.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/01/2010		1205.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/01/2010		1329.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	04/07/2011		1115.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/27/2011		1018.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/23/2012		1084.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/23/2012		806.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/16/2013		1336.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/28/2013		1421.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	04/24/2014		847.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/06/2014		1590.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	04/21/2015		1583.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/05/2015		1204.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	04/26/2016		1195.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/05/2016		1159.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/04/2017		1341.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/10/2017		1193.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/11/2018		1332.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/30/2018		1578.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	04/01/2019		1590.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/08/2019		1854.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	04/20/2020		1680.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/20/2020		990.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	04/26/2021		1595.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	08/16/2021		1209.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	06/01/2022		938.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	10/03/2022		917.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	05/03/2023		1446.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/11/2023		990.0000	1193.5613
Specific Conductance	umhos/cm	MW-13	05/08/2024		1550.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	10/29/2024		1604.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	04/16/2025		1402.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-13	11/05/2025		1112.0000	1193.5613
Chemical Oxygen Demand	mg/L	MW-14	07/12/1996		24.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/10/1996	ND	5.0000	14.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chemical Oxygen Demand	mg/L	MW-14	01/21/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/17/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/04/1997	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/22/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/19/1998	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/30/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	09/01/1999	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/12/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/17/2000	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/25/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/23/2001	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/28/2002	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/06/2002		15.0000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/03/2003		7.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/07/2003		10.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/30/2004	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/12/2004		6.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/26/2005		5.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/11/2005	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/26/2006	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2006		12.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/23/2007	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/09/2007		5.8000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/07/2008	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/14/2008		10.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/07/2009		10.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2009	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/01/2010	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/01/2010	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/07/2011		10.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/27/2011		13.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/23/2012	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/23/2012		7.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/16/2013	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/28/2013		22.8000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/24/2014		5.1000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/06/2014		7.7000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/21/2015	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2015		11.3000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/26/2016		6.4700	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/05/2016		5.6900	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/04/2017	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/10/2017	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/11/2018		6.6000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/30/2018	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/01/2019		12.8000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/08/2019	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/20/2020		6.2400	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/20/2020	ND	5.0000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/26/2021		15.5000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	08/16/2021		12.5000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	06/01/2022		13.9000	14.3000
Chemical Oxygen Demand	mg/L	MW-14	05/03/2023		29.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/11/2023		42.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	05/02/2024		22.6000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	10/29/2024		28.4000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	04/16/2025		20.2000 *	14.3000
Chemical Oxygen Demand	mg/L	MW-14	11/05/2025		16.4000 *	14.3000
Chloride	mg/L	MW-14	07/12/1996		12.0000 *	7.3000
Chloride	mg/L	MW-14	10/10/1996		14.0000 *	7.3000
Chloride	mg/L	MW-14	01/21/1997		13.0000 *	7.3000
Chloride	mg/L	MW-14	04/17/1997		17.0000 *	7.3000
Chloride	mg/L	MW-14	10/04/1997		15.0000 *	7.3000
Chloride	mg/L	MW-14	04/22/1998		18.5000 *	7.3000
Chloride	mg/L	MW-14	10/19/1998		19.0000 *	7.3000
Chloride	mg/L	MW-14	04/30/1999		20.0000 *	7.3000
Chloride	mg/L	MW-14	09/01/1999		18.0000 *	7.3000
Chloride	mg/L	MW-14	04/12/2000		17.7000 *	7.3000
Chloride	mg/L	MW-14	10/17/2000		17.0000 *	7.3000
Chloride	mg/L	MW-14	04/25/2001		16.8000 *	7.3000
Chloride	mg/L	MW-14	10/23/2001		22.6000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-14	04/28/2002		27.9000 *	7.3000
Chloride	mg/L	MW-14	10/06/2002		23.1000 *	7.3000
Chloride	mg/L	MW-14	04/03/2003		30.9000 *	7.3000
Chloride	mg/L	MW-14	10/07/2003		24.8000 *	7.3000
Chloride	mg/L	MW-14	04/30/2004		43.4000 *	7.3000
Chloride	mg/L	MW-14	10/12/2004		80.6000 *	7.3000
Chloride	mg/L	MW-14	04/26/2005		53.3000 *	7.3000
Chloride	mg/L	MW-14	10/11/2005		43.6000 *	7.3000
Chloride	mg/L	MW-14	04/26/2006		38.1000 *	7.3000
Chloride	mg/L	MW-14	10/05/2006		38.4000 *	7.3000
Chloride	mg/L	MW-14	04/23/2007		39.9000 *	7.3000
Chloride	mg/L	MW-14	10/09/2007		43.9000 *	7.3000
Chloride	mg/L	MW-14	04/07/2008		45.1000 *	7.3000
Chloride	mg/L	MW-14	10/14/2008		40.5000 *	7.3000
Chloride	mg/L	MW-14	04/07/2009		37.3000 *	7.3000
Chloride	mg/L	MW-14	10/05/2009		44.7000 *	7.3000
Chloride	mg/L	MW-14	04/01/2010		43.6000 *	7.3000
Chloride	mg/L	MW-14	10/01/2010		53.6000 *	7.3000
Chloride	mg/L	MW-14	04/07/2011		49.7000 *	7.3000
Chloride	mg/L	MW-14	10/27/2011		35.0000 *	7.3000
Chloride	mg/L	MW-14	04/23/2012		33.5000 *	7.3000
Chloride	mg/L	MW-14	10/23/2012		29.4000 *	7.3000
Chloride	mg/L	MW-14	04/16/2013		16.4000 *	7.3000
Chloride	mg/L	MW-14	10/28/2013		66.1000 *	7.3000
Chloride	mg/L	MW-14	04/24/2014		62.3000 *	7.3000
Chloride	mg/L	MW-14	10/06/2014		61.6000 *	7.3000
Chloride	mg/L	MW-14	04/21/2015		78.8000 *	7.3000
Chloride	mg/L	MW-14	10/05/2015		62.0000 *	7.3000
Chloride	mg/L	MW-14	04/26/2016		26.4000 *	7.3000
Chloride	mg/L	MW-14	10/05/2016		38.1000 *	7.3000
Chloride	mg/L	MW-14	04/04/2017		59.0000 *	7.3000
Chloride	mg/L	MW-14	10/10/2017		53.2000 *	7.3000
Chloride	mg/L	MW-14	04/11/2018		48.2000 *	7.3000
Chloride	mg/L	MW-14	10/30/2018		20.5000 *	7.3000
Chloride	mg/L	MW-14	04/01/2019		36.5000 *	7.3000
Chloride	mg/L	MW-14	10/08/2019		30.5000 *	7.3000
Chloride	mg/L	MW-14	04/20/2020		41.6000 *	7.3000
Chloride	mg/L	MW-14	10/20/2020		50.2000 *	7.3000
Chloride	mg/L	MW-14	04/26/2021		51.0000 *	7.3000
Chloride	mg/L	MW-14	08/16/2021		50.3000 *	7.3000
Chloride	mg/L	MW-14	06/01/2022		50.0000 *	7.3000
Chloride	mg/L	MW-14	05/03/2023		58.8000 *	7.3000
Chloride	mg/L	MW-14	10/11/2023		109.0000 *	7.3000
Chloride	mg/L	MW-14	05/02/2024		129.0000 *	7.3000
Chloride	mg/L	MW-14	10/29/2024		130.0000 *	7.3000
Chloride	mg/L	MW-14	04/16/2025		128.0000 *	7.3000
Chloride	mg/L	MW-14	11/05/2025		97.9000 *	7.3000
Iron, Dissolved	ug/L	MW-14	07/12/1996	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/10/1996	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	01/21/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/17/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/04/1997	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/22/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/19/1998	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/30/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	09/01/1999	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/12/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/17/2000	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/25/2001	*	140.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/23/2001	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/28/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/06/2002	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/03/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/07/2003	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/30/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/12/2004	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2005	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/11/2005	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2006	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2006	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/23/2007	ND	100.0000	100.0000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Iron, Dissolved	ug/L	MW-14	10/09/2007	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/07/2008	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/14/2008	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/07/2009	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2009	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/01/2010	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/01/2010	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/07/2011	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/27/2011	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/23/2012	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/23/2012	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/16/2013	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/28/2013	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/24/2014		102.0000 *	100.0000
Iron, Dissolved	ug/L	MW-14	10/06/2014	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/21/2015	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2015	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2016	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/05/2016	ND	100.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/04/2017	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/10/2017	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/11/2018	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/30/2018	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/01/2019	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/08/2019	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/20/2020	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/20/2020	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/26/2021	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	08/16/2021	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	06/01/2022	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	05/03/2023	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/11/2023	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	05/02/2024	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	10/29/2024	ND	500.0000	100.0000
Iron, Dissolved	ug/L	MW-14	04/16/2025		1520.0000 *	100.0000
Iron, Dissolved	ug/L	MW-14	11/05/2025	ND	500.0000	100.0000
Specific Conductance	umhos/cm	MW-14	07/12/1996		528.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/10/1996		690.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	01/21/1997		582.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/17/1997		698.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/04/1997		682.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/22/1998		764.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/19/1998		831.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/30/1999		913.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	09/01/1999		900.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/12/2000		914.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/17/2000		808.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/25/2001		941.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/23/2001		889.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/28/2002		742.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/06/2002		757.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/03/2003		930.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/07/2003		1050.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/30/2004		930.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/12/2004		419.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/26/2005		286.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/11/2005		1237.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/26/2006		1055.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/05/2006		1145.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/23/2007		1146.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/09/2007		1211.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/07/2008		1397.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/14/2008		1254.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/07/2009		1282.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/05/2009		1266.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/01/2010		1246.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/01/2010		1279.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/07/2011		1179.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/27/2011		1158.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	04/23/2012		1177.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/23/2012		1383.0000 *	1193.5613

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Specific Conductance	umhos/cm	MW-14	04/16/2013		1184.0000	1193.5613
Specific Conductance	umhos/cm	MW-14	10/28/2013		1487.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/24/2014		1403.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/06/2014		1443.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/21/2015		1431.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/05/2015		1423.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/26/2016		1314.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/05/2016		1377.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/04/2017		1272.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/10/2017		1238.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/11/2018		1227.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/30/2018		1317.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/01/2019		1328.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/08/2019		1338.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/20/2020		1541.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/20/2020		1542.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/26/2021		1570.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	08/16/2021		1608.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	06/01/2022		1382.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	05/03/2023		1501.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/11/2023		1600.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	05/02/2024		1662.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	10/29/2024		1606.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	04/16/2025		1653.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-14	11/05/2025		1564.0000 *	1193.5613
Chloride	mg/L	MW-16	04/20/2020		12.0000 *	7.3000
Chloride	mg/L	MW-16	10/20/2020		27.8000 *	7.3000
Chloride	mg/L	MW-16	04/26/2021		5.5000	7.3000
Chloride	mg/L	MW-16	08/16/2021		8.8000 *	7.3000
Chloride	mg/L	MW-16	06/01/2022		9.7300 *	7.3000
Chloride	mg/L	MW-16	10/03/2022		9.5800 *	7.3000
Chloride	mg/L	MW-16	05/03/2023		6.9500	7.3000
Chloride	mg/L	MW-16	10/11/2023		7.8900 *	7.3000
Chloride	mg/L	MW-16	05/08/2024		6.2700	7.3000
Chloride	mg/L	MW-16	10/29/2024		7.4000 *	7.3000
Chloride	mg/L	MW-16	04/16/2025		9.7500 *	7.3000
Chloride	mg/L	MW-16	11/05/2025		9.3100 *	7.3000
Specific Conductance	umhos/cm	MW-16	04/20/2020		1524.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	10/20/2020		1680.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	04/26/2021		1436.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	08/16/2021		1382.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	06/01/2022		1103.0000	1193.5613
Specific Conductance	umhos/cm	MW-16	10/03/2022		1134.0000	1193.5613
Specific Conductance	umhos/cm	MW-16	05/03/2023		1319.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	10/11/2023		1432.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	05/08/2024		1335.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	10/29/2024		1302.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	04/16/2025		1645.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-16	11/05/2025		1520.0000 *	1193.5613
Chloride	mg/L	MW-8	10/10/1996		12.0000 *	7.3000
Chloride	mg/L	MW-8	01/21/1997		12.0000 *	7.3000
Chloride	mg/L	MW-8	04/17/1997		13.0000 *	7.3000
Chloride	mg/L	MW-8	07/15/1997		15.0000 *	7.3000
Chloride	mg/L	MW-8	10/04/1997		11.0000 *	7.3000
Chloride	mg/L	MW-8	04/22/1998		11.0000 *	7.3000
Chloride	mg/L	MW-8	10/19/1998		12.0000 *	7.3000
Chloride	mg/L	MW-8	04/30/1999		12.0000 *	7.3000
Chloride	mg/L	MW-8	09/01/1999		10.0000 *	7.3000
Chloride	mg/L	MW-8	04/12/2000		8.4000 *	7.3000
Chloride	mg/L	MW-8	10/17/2000		6.2000	7.3000
Chloride	mg/L	MW-8	04/25/2001		9.4000 *	7.3000
Chloride	mg/L	MW-8	10/23/2001		21.6000 *	7.3000
Chloride	mg/L	MW-8	04/28/2002		55.4000 *	7.3000
Chloride	mg/L	MW-8	10/06/2002		26.7000 *	7.3000
Chloride	mg/L	MW-8	04/03/2003		14.2000 *	7.3000
Chloride	mg/L	MW-8	10/07/2003		21.6000 *	7.3000
Chloride	mg/L	MW-8	04/30/2004		14.3000 *	7.3000
Chloride	mg/L	MW-8	10/12/2004		22.8000 *	7.3000
Chloride	mg/L	MW-8	04/26/2005		36.0000 *	7.3000
Chloride	mg/L	MW-8	10/11/2005		37.2000 *	7.3000
Chloride	mg/L	MW-8	04/26/2006		23.9000 *	7.3000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result	Pred. Limit
Chloride	mg/L	MW-8	10/05/2006		23.0000 *	7.3000
Chloride	mg/L	MW-8	04/23/2007		24.1000 *	7.3000
Chloride	mg/L	MW-8	10/09/2007		30.2000 *	7.3000
Chloride	mg/L	MW-8	04/07/2008		34.0000 *	7.3000
Chloride	mg/L	MW-8	10/14/2008		32.5000 *	7.3000
Chloride	mg/L	MW-8	04/07/2009		23.3000 *	7.3000
Chloride	mg/L	MW-8	10/05/2009		20.5000 *	7.3000
Chloride	mg/L	MW-8	04/01/2010		14.5000 *	7.3000
Chloride	mg/L	MW-8	10/01/2010		16.9000 *	7.3000
Chloride	mg/L	MW-8	04/07/2011		19.6000 *	7.3000
Chloride	mg/L	MW-8	10/27/2011		16.0000 *	7.3000
Chloride	mg/L	MW-8	04/23/2012		13.5000 *	7.3000
Chloride	mg/L	MW-8	10/23/2012		12.3000 *	7.3000
Chloride	mg/L	MW-8	04/16/2013		11.9000 *	7.3000
Chloride	mg/L	MW-8	10/28/2013		9.8600 *	7.3000
Chloride	mg/L	MW-8	04/24/2014		12.5000 *	7.3000
Chloride	mg/L	MW-8	10/06/2014		11.5000 *	7.3000
Chloride	mg/L	MW-8	04/21/2015		13.9000 *	7.3000
Chloride	mg/L	MW-8	10/05/2015		10.5000 *	7.3000
Chloride	mg/L	MW-8	04/26/2016		18.7000 *	7.3000
Chloride	mg/L	MW-8	10/05/2016		35.8000 *	7.3000
Chloride	mg/L	MW-8	04/04/2017		29.6000 *	7.3000
Chloride	mg/L	MW-8	10/10/2017		20.8000 *	7.3000
Chloride	mg/L	MW-8	04/11/2018		16.4000 *	7.3000
Chloride	mg/L	MW-8	10/30/2018		35.6000 *	7.3000
Chloride	mg/L	MW-8	04/01/2019		30.3000 *	7.3000
Chloride	mg/L	MW-8	10/08/2019		26.3000 *	7.3000
Chloride	mg/L	MW-8	04/20/2020		21.7000 *	7.3000
Chloride	mg/L	MW-8	10/20/2020		21.7000 *	7.3000
Chloride	mg/L	MW-8	04/26/2021		16.3000 *	7.3000
Chloride	mg/L	MW-8	08/16/2021		15.6000 *	7.3000
Chloride	mg/L	MW-8	06/01/2022		13.1000 *	7.3000
Chloride	mg/L	MW-8	10/03/2022		12.8000 *	7.3000
Chloride	mg/L	MW-8	05/03/2023		12.9000 *	7.3000
Chloride	mg/L	MW-8	10/11/2023		12.7000 *	7.3000
Chloride	mg/L	MW-8	05/08/2024		12.3000 *	7.3000
Chloride	mg/L	MW-8	10/29/2024		16.5000 *	7.3000
Chloride	mg/L	MW-8	04/16/2025		24.8000 *	7.3000
Chloride	mg/L	MW-8	11/05/2025		26.6000 *	7.3000
Specific Conductance	umhos/cm	MW-8	10/10/1996		923.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	01/21/1997		823.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/17/1997		896.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	07/15/1997		929.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/04/1997		888.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/22/1998		945.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/19/1998		1003.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/30/1999		1050.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	09/01/1999		1092.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/12/2000		970.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/17/2000		942.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/25/2001		1034.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/23/2001		538.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/28/2002		984.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/06/2002		895.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/03/2003		1060.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/07/2003		1115.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/30/2004		832.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/12/2004		563.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	04/26/2005		90.0000	1193.5613
Specific Conductance	umhos/cm	MW-8	10/11/2005		1529.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	04/26/2006		1337.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	10/05/2006		1351.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	04/23/2007		1258.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	10/09/2007		1402.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	04/07/2008		1574.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	10/14/2008		1366.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	04/07/2009		1331.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	10/05/2009		1271.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	04/01/2010		1312.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	10/01/2010		1321.0000 *	1193.5613
Specific Conductance	umhos/cm	MW-8	04/07/2011		1215.0000 *	1193.5613

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date		Result		Pred. Limit
Specific Conductance	umhos/cm	MW-8	10/27/2011		1269.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/23/2012		1223.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/23/2012		1427.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/16/2013		1419.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/28/2013		1362.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/24/2014		1345.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/06/2014		1339.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/21/2015		1389.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/05/2015		1380.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/26/2016		1442.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/05/2016		1585.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/04/2017		1326.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/10/2017		1245.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/11/2018		1232.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/30/2018		1473.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/01/2019		1507.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/08/2019		1564.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/20/2020		1622.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/20/2020		1557.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/26/2021		1618.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	08/16/2021		1834.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	06/01/2022		1466.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/03/2022		1456.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	05/03/2023		1390.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/11/2023		1393.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	05/08/2024		1290.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	10/29/2024		1248.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	04/16/2025		1257.0000	*	1193.5613
Specific Conductance	umhos/cm	MW-8	11/05/2025		1364.0000	*	1193.5613

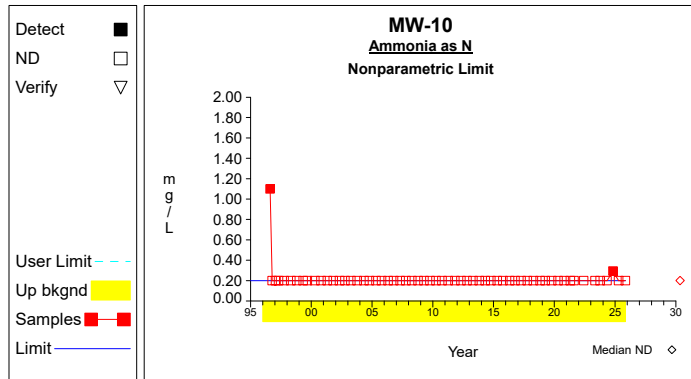
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

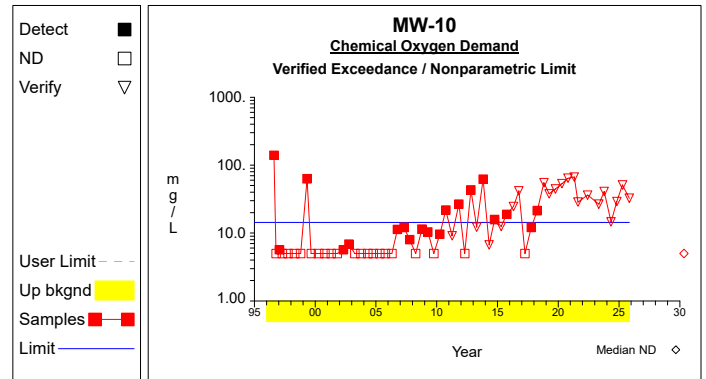
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

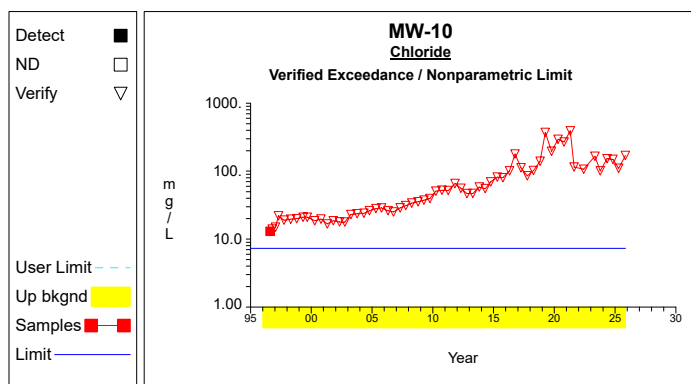
Up vs. Down Prediction Limits



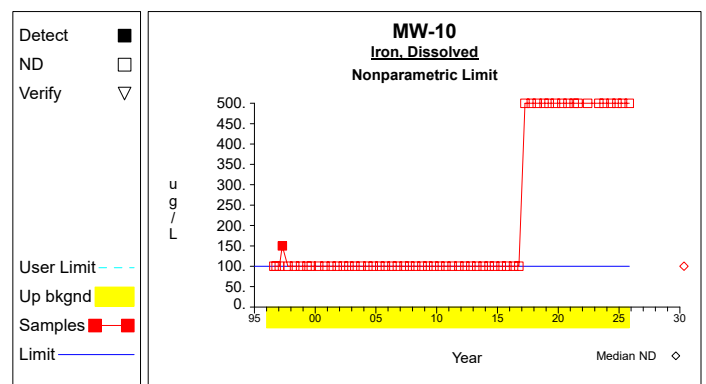
Graph 1



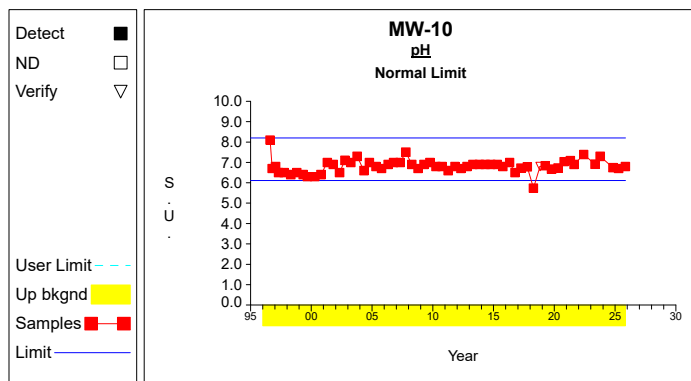
Graph 2



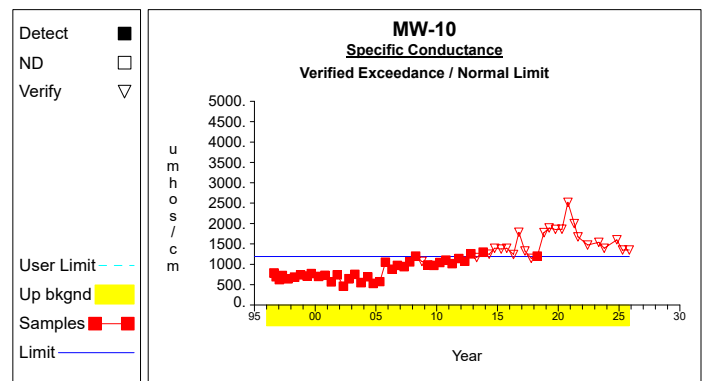
Graph 3



Graph 4

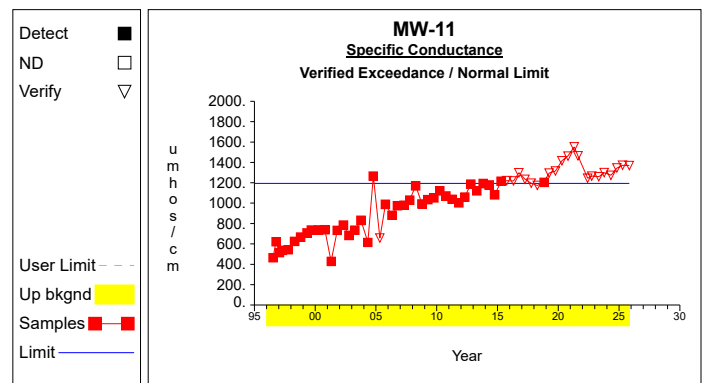
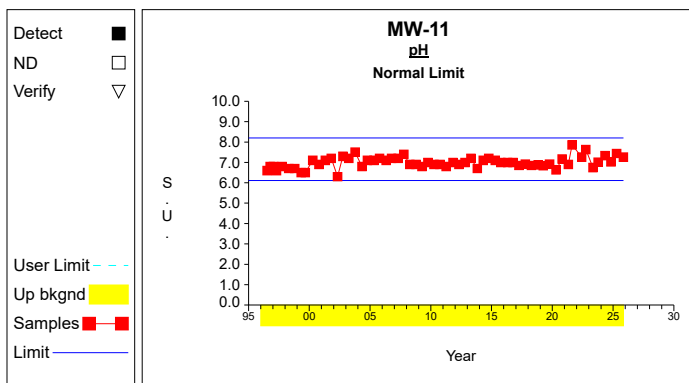
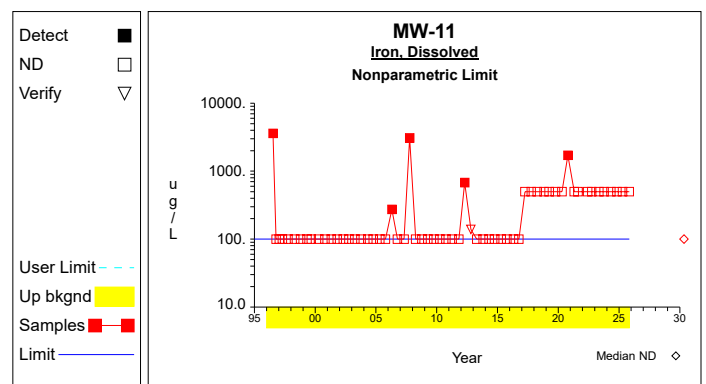
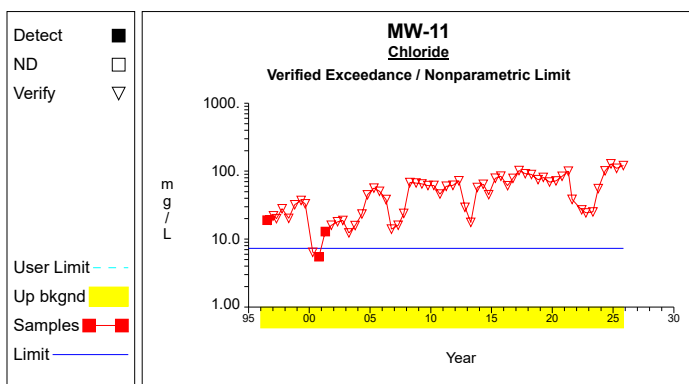
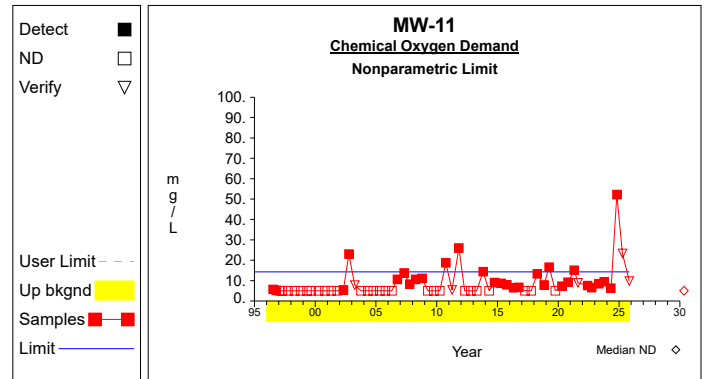
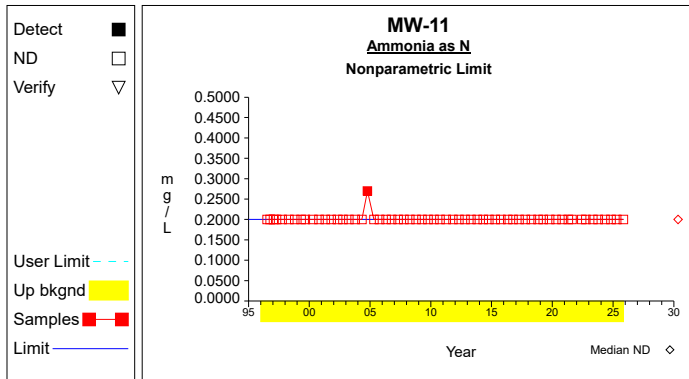


Graph 5

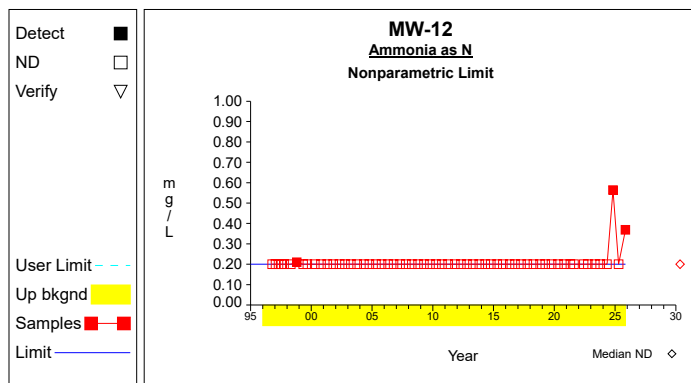


Graph 6

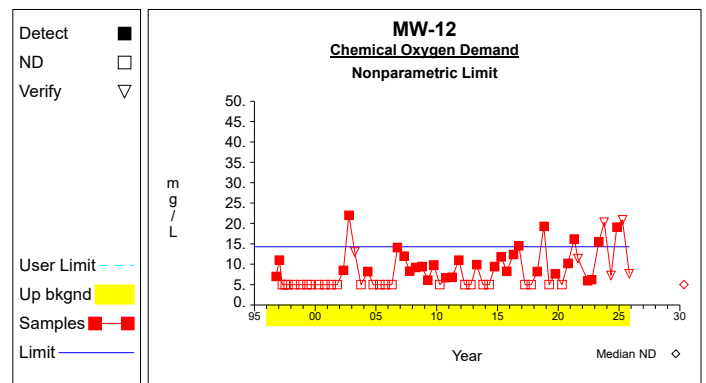
Up vs. Down Prediction Limits



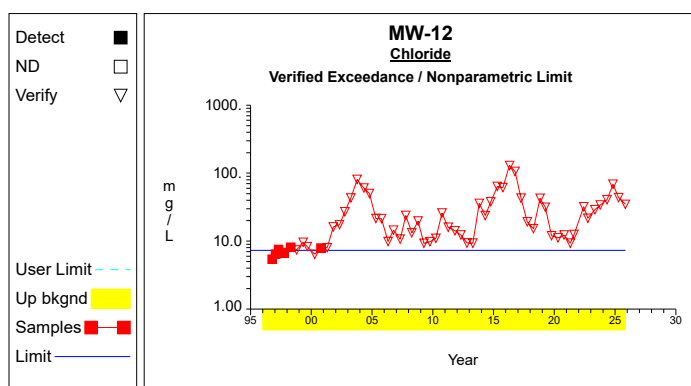
Up vs. Down Prediction Limits



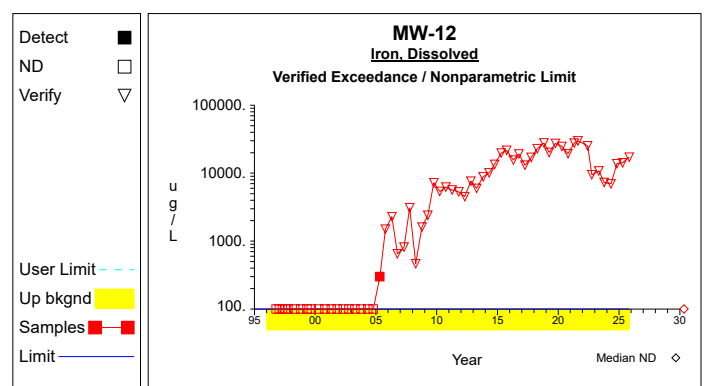
Graph 13



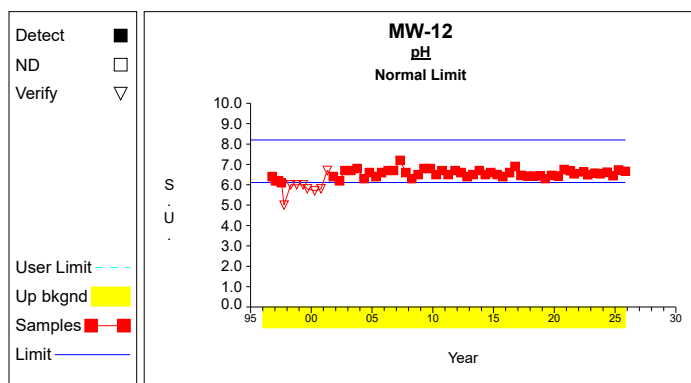
Graph 14



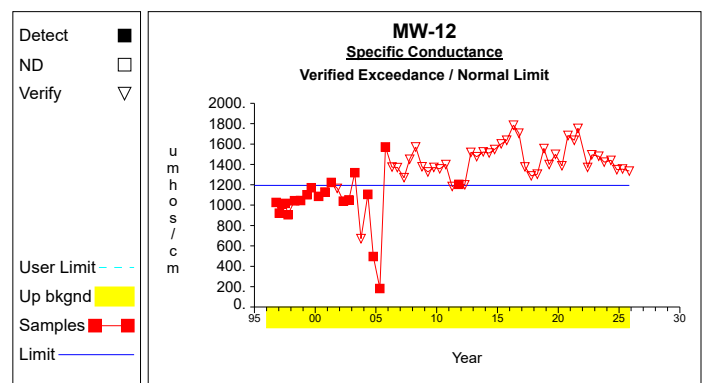
Graph 15



Graph 16

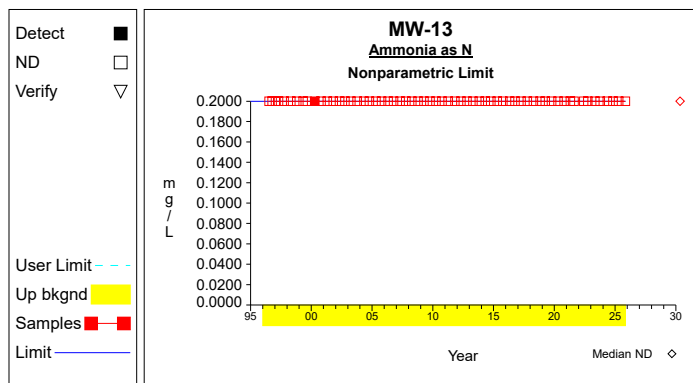


Graph 17

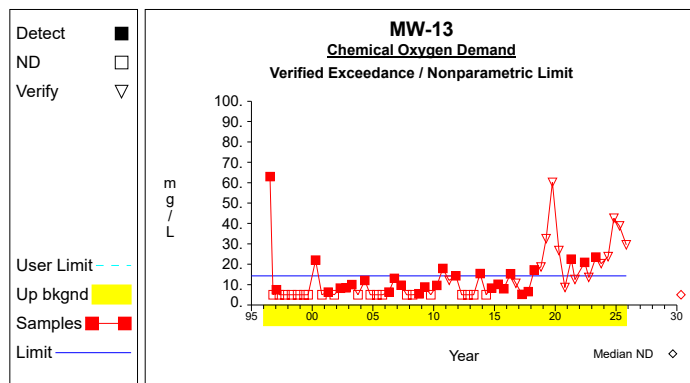


Graph 18

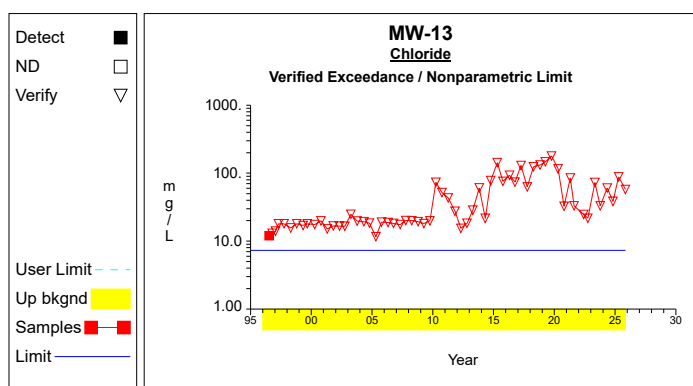
Up vs. Down Prediction Limits



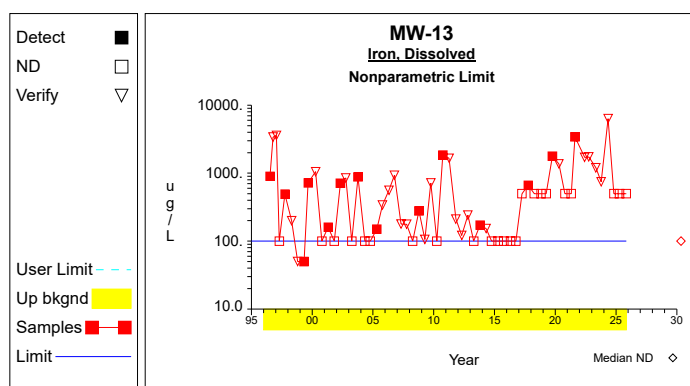
Graph 19



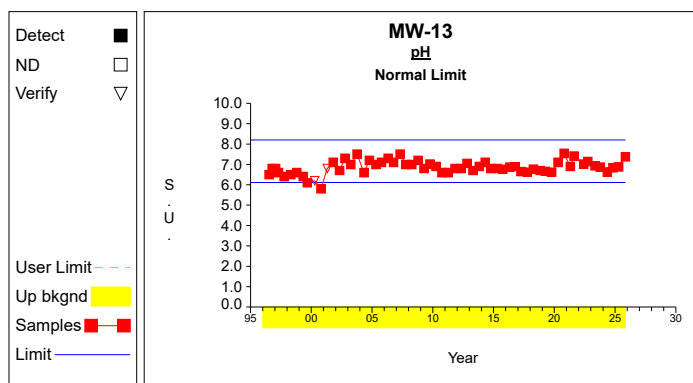
Graph 20



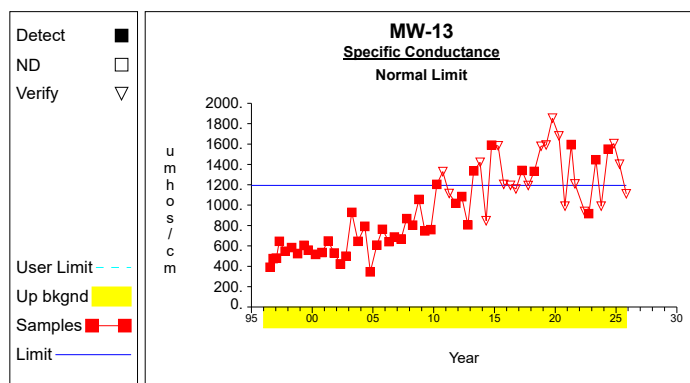
Graph 21



Graph 22

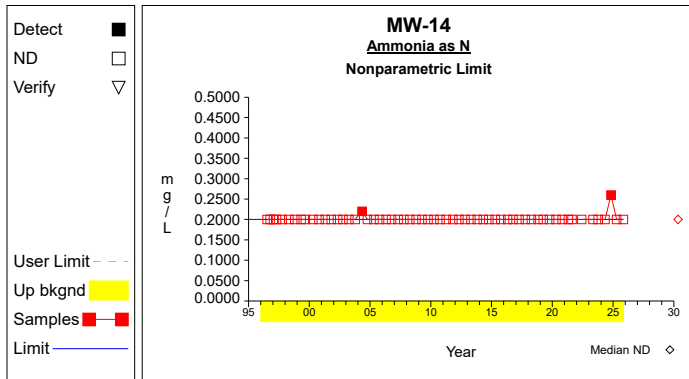


Graph 23

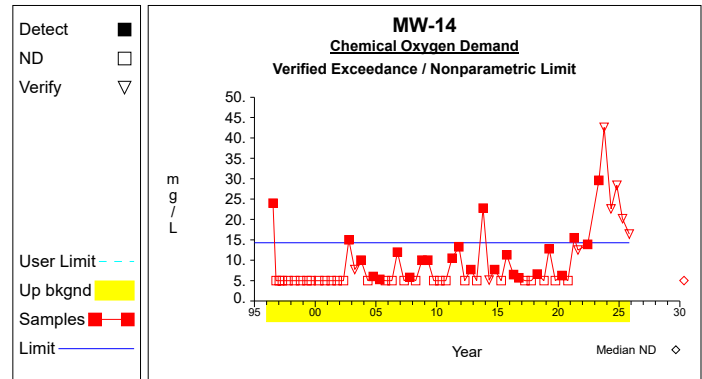


Graph 24

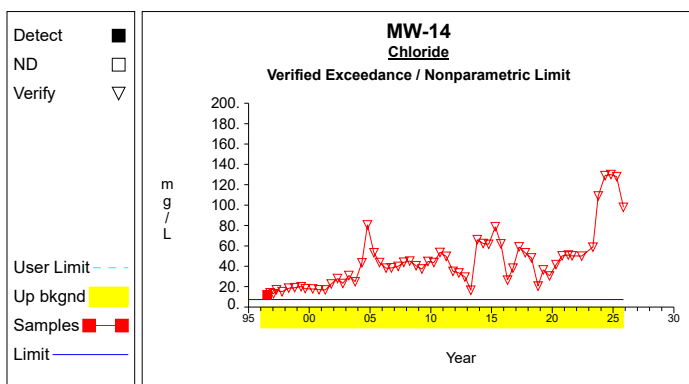
Up vs. Down Prediction Limits



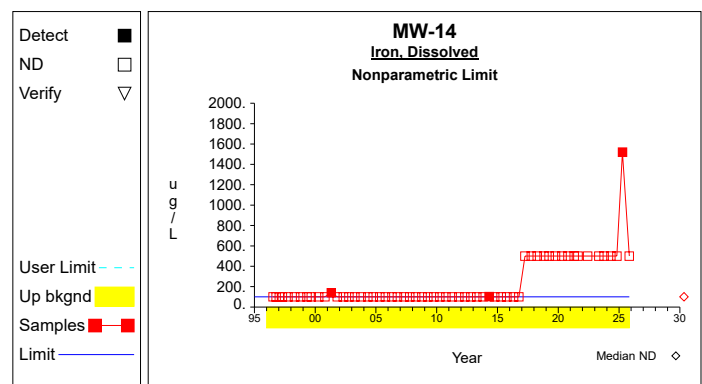
Graph 25



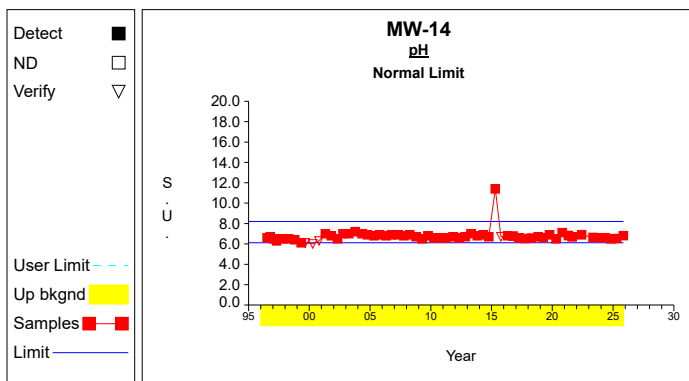
Graph 26



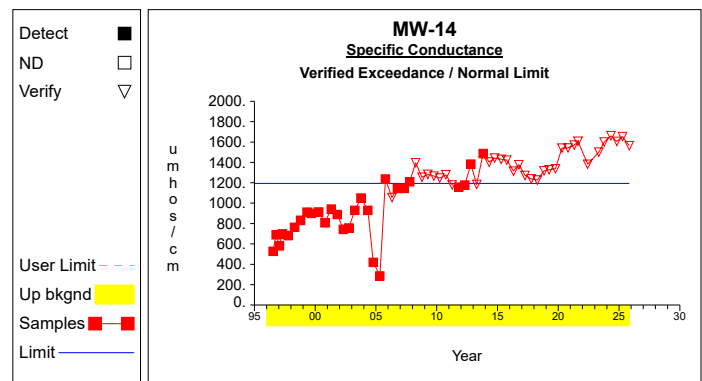
Graph 27



Graph 28

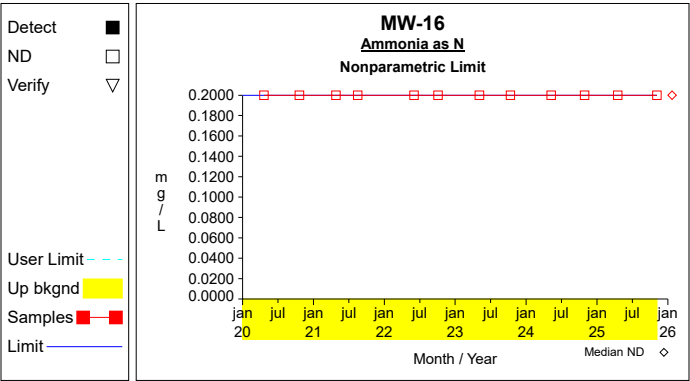


Graph 29

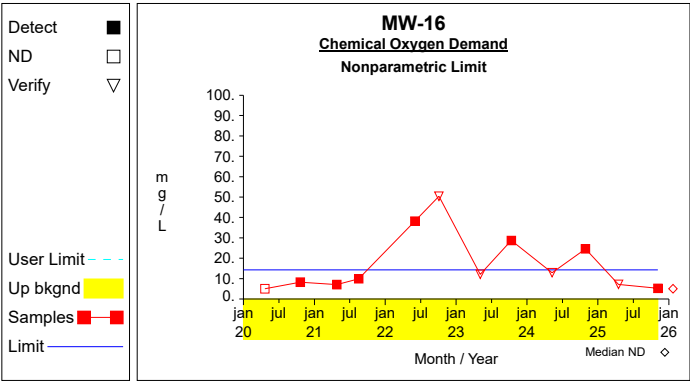


Graph 30

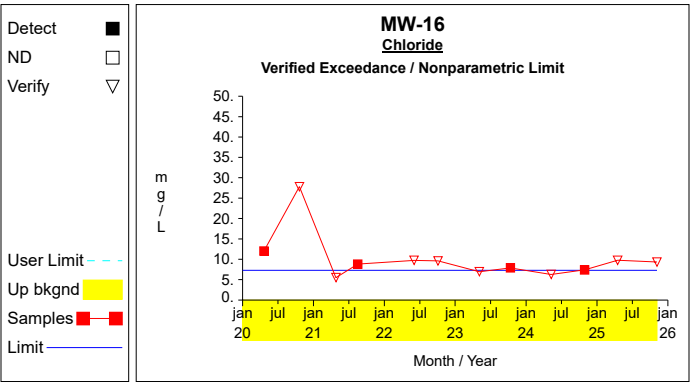
Up vs. Down Prediction Limits



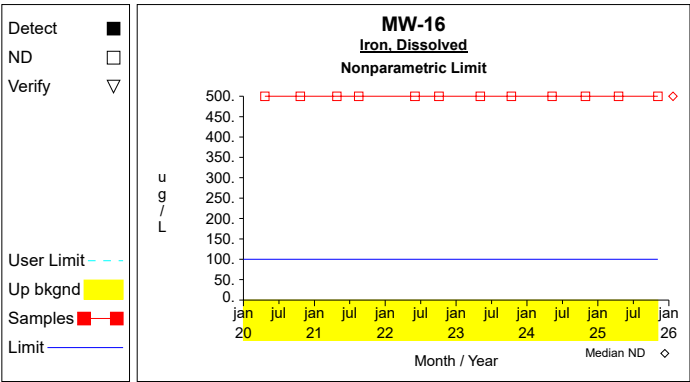
Graph 31



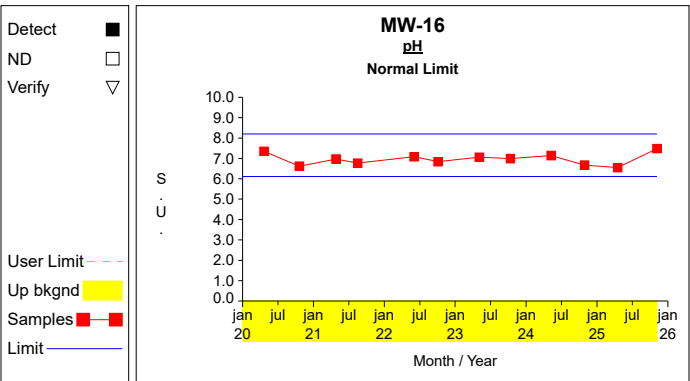
Graph 32



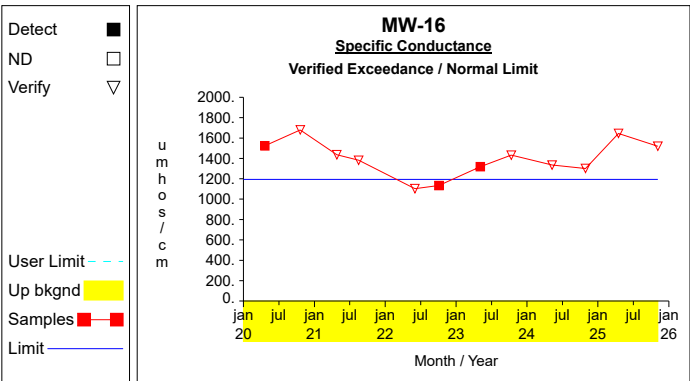
Graph 33



Graph 34

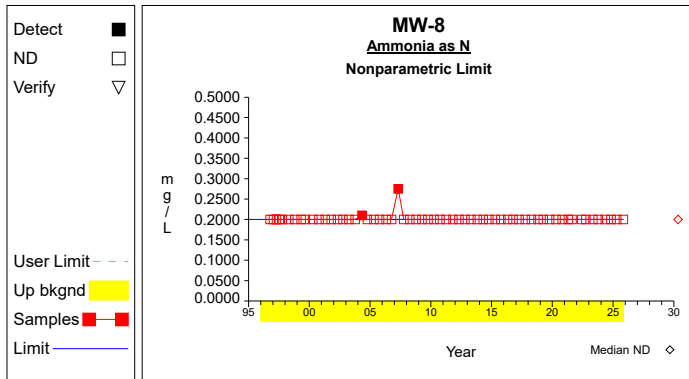


Graph 35

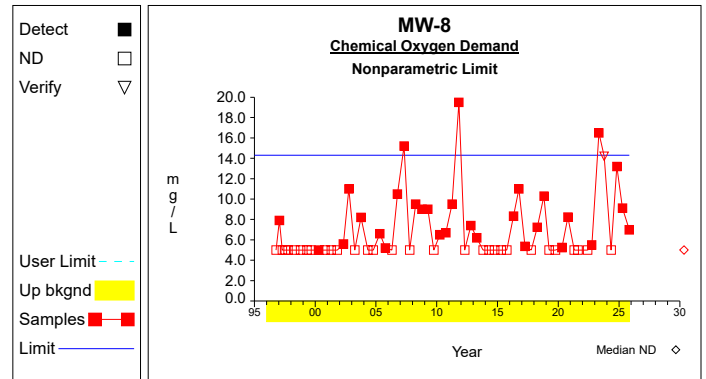


Graph 36

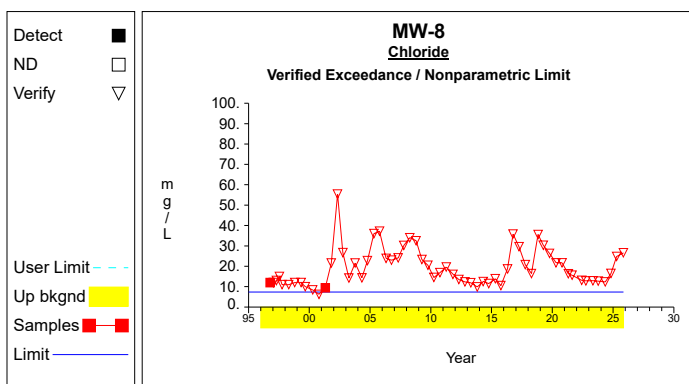
Up vs. Down Prediction Limits



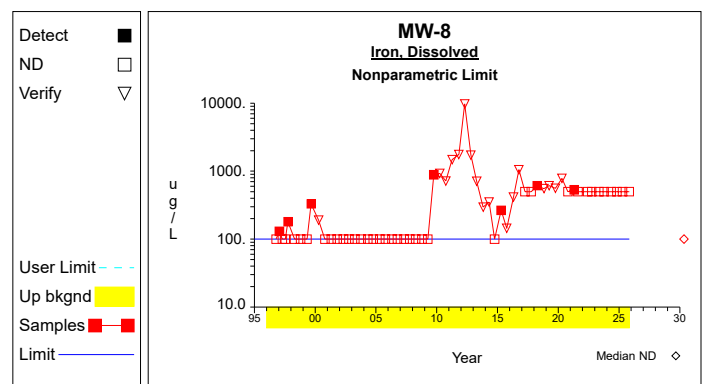
Graph 37



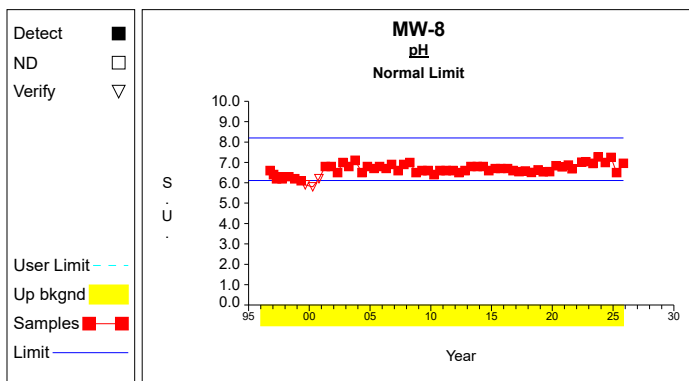
Graph 38



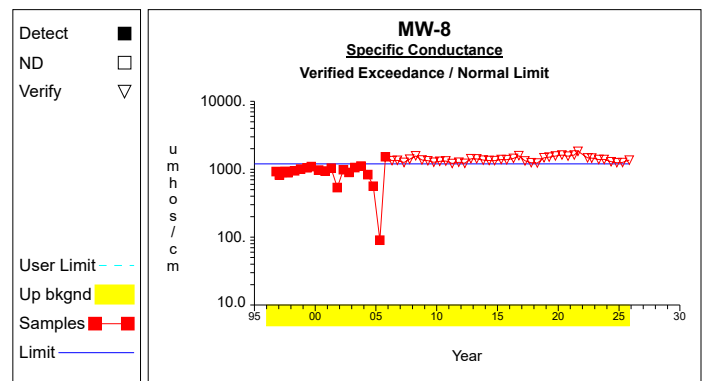
Graph 39



Graph 40

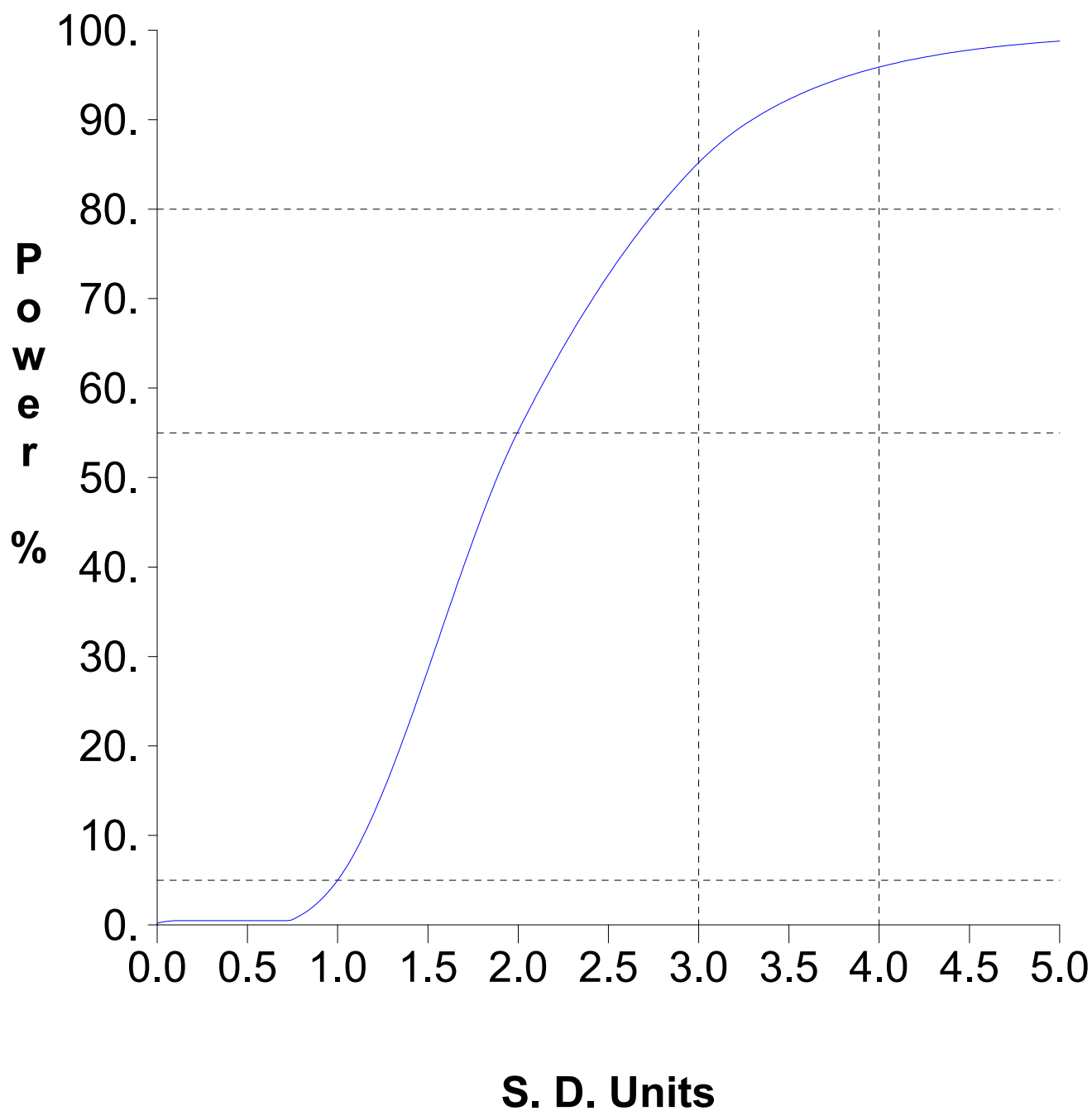


Graph 41



Graph 42

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Attachment F

Assessment Statistics on Verified VOCs
Second Semi-Annual Monitoring Event in 2025

Table 1

**Confidence Intervals for Comparing the Mean of the Last
4 Measurements to an Assessment Monitoring Standard**

Constituent	Units	Well	N	Mean	SD	Factor	95% LCL	95% UCL	Standard	Trend	
1,2-Dichloroethane	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-10	4	0.250	0.000	1.176	0.250	0.250	5.000		
cis-1,2-Dichloroethene	ug/L	MW-10	4	0.910	0.820	1.176	0.000	1.875	70.000		
Tetrachloroethene	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl Chloride	ug/L	MW-10	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,2-Dichloroethane	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-12	4	1.164	0.257	1.176	0.861	1.466	5.000	dec	
cis-1,2-Dichloroethene	ug/L	MW-12	4	28.375	6.943	1.176	20.208	36.542	70.000	dec	
Tetrachloroethene	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-12	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
Vinyl Chloride	ug/L	MW-12	4	4.800	0.736	1.176	3.934	5.666	2.000	inc	**
1,2-Dichloroethane	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-14	4	0.505	0.182	1.176	0.292	0.719	5.000		
cis-1,2-Dichloroethene	ug/L	MW-14	4	45.825	5.059	1.176	39.875	51.775	70.000		
Tetrachloroethene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl Chloride	ug/L	MW-14	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,2-Dichloroethane	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	5.000		
1,2-Dichloropropane	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	5.000		
Benzene	ug/L	MW-16	4	0.250	0.000	1.176	0.250	0.250	5.000		
cis-1,2-Dichloroethene	ug/L	MW-16	4	2.540	4.080	1.176	0.000	7.339	70.000		
Tetrachloroethene	ug/L	MW-16	4	0.763	0.525	1.176	0.145	1.380	5.000		
Trichloroethene	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	5.000		
Vinyl Chloride	ug/L	MW-16	4	0.500	0.000	1.176	0.500	0.500	2.000		
1,2-Dichloroethane	ug/L	MW-7	4	1.165	0.556	1.176	0.511	1.819	5.000		**
1,2-Dichloropropane	ug/L	MW-7	4	8.478	2.896	1.176	5.071	11.884	5.000		**
Benzene	ug/L	MW-7	4	0.823	0.061	1.176	0.751	0.895	5.000		**
cis-1,2-Dichloroethene	ug/L	MW-7	4	173.250	34.741	1.176	132.385	214.115	70.000		**
Tetrachloroethene	ug/L	MW-7	4	0.963	0.555	1.176	0.310	1.615	5.000	dec	**
Trichloroethene	ug/L	MW-7	4	11.703	3.376	1.176	7.731	15.674	5.000		**
Vinyl Chloride	ug/L	MW-7	4	7.475	1.965	1.176	5.163	9.787	2.000	inc	**
1,2-Dichloroethane	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
1,2-Dichloropropane	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
Benzene	ug/L	MW-8	4	0.250	0.000	1.176	0.250	0.250	5.000		
cis-1,2-Dichloroethene	ug/L	MW-8	4	34.300	18.108	1.176	13.000	55.600	70.000	dec	
Tetrachloroethene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000		
Trichloroethene	ug/L	MW-8	4	0.500	0.000	1.176	0.500	0.500	5.000	dec	
Vinyl Chloride	ug/L	MW-8	4	0.753	0.505	1.176	0.158	1.347	2.000		

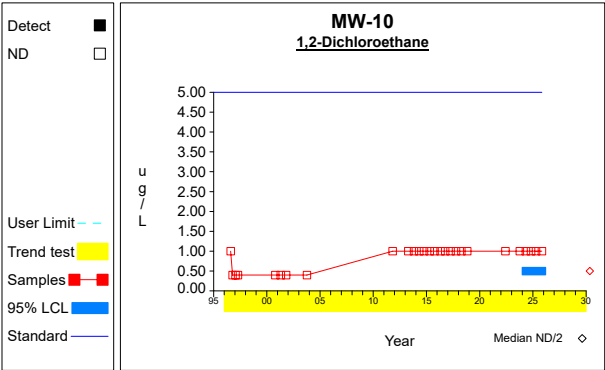
* - Insufficient Data

** - Significant Exceedance

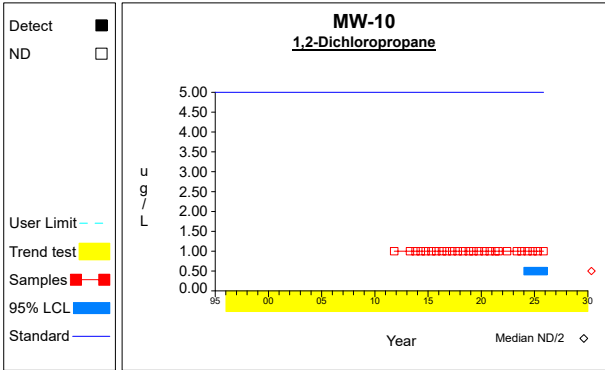
LCL = Lower Confidence Limit

UCL = Upper Confidence Limit

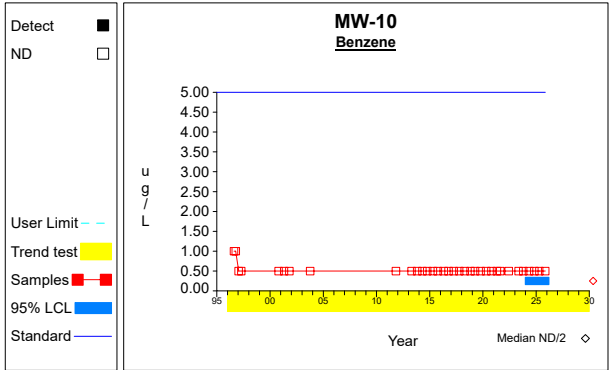
Confidence Limits (Assessment)



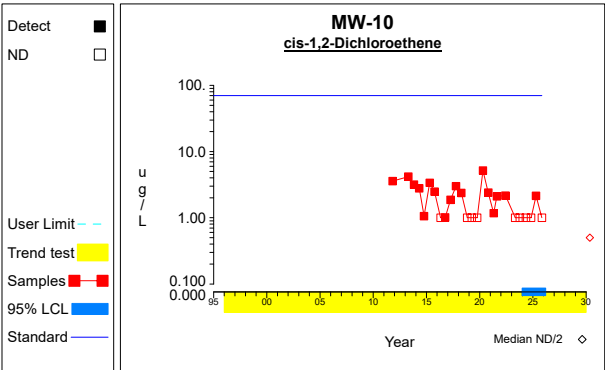
Graph 1



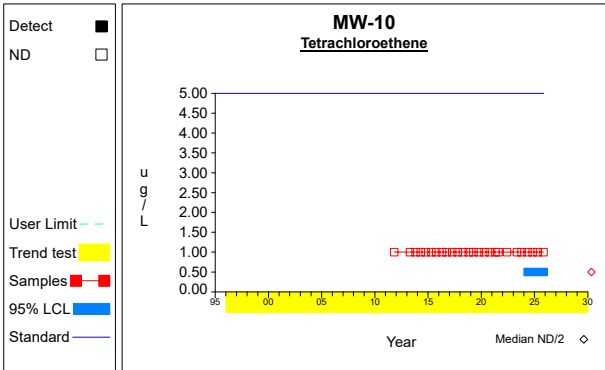
Graph 2



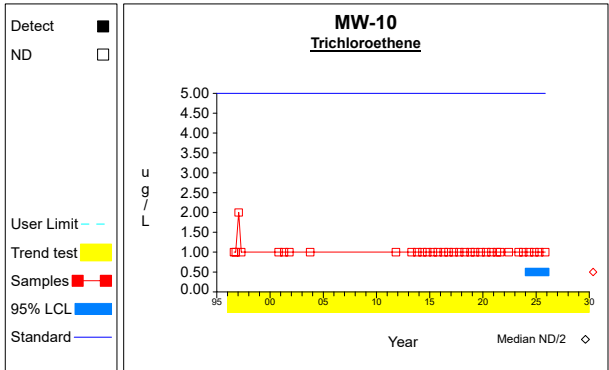
Graph 3



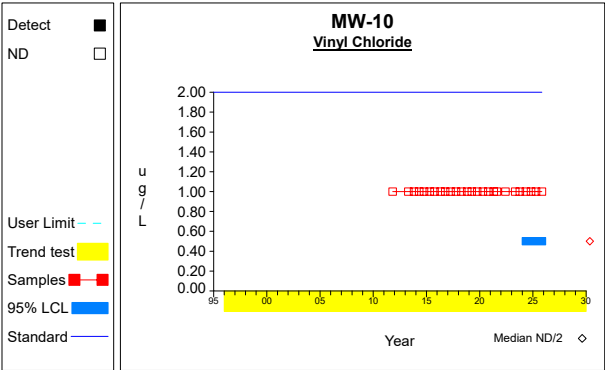
Graph 4



Graph 5

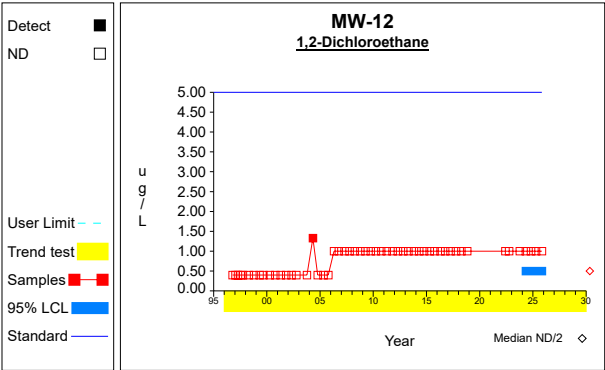


Graph 6

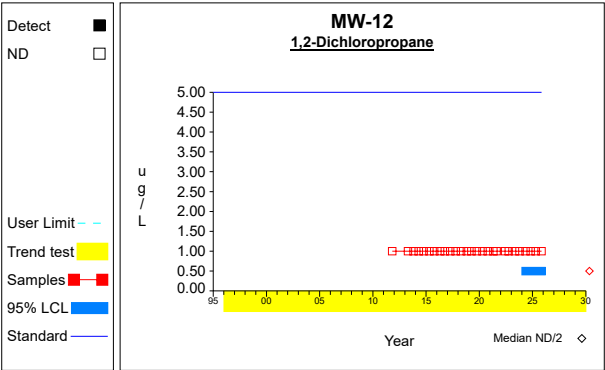


Graph 7

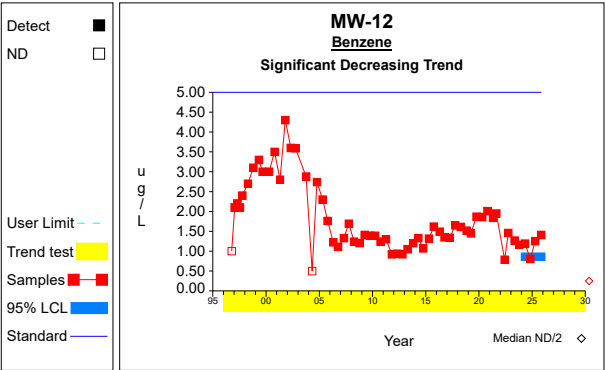
Confidence Limits (Assessment)



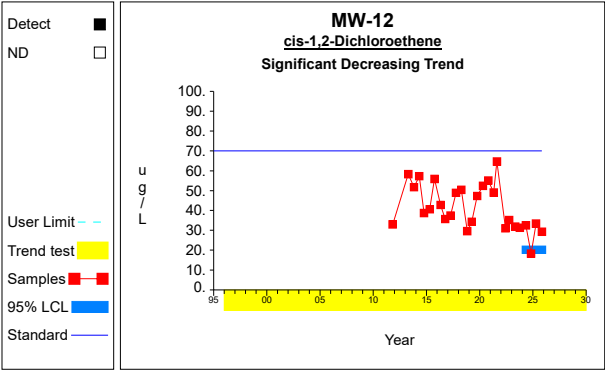
Graph 8



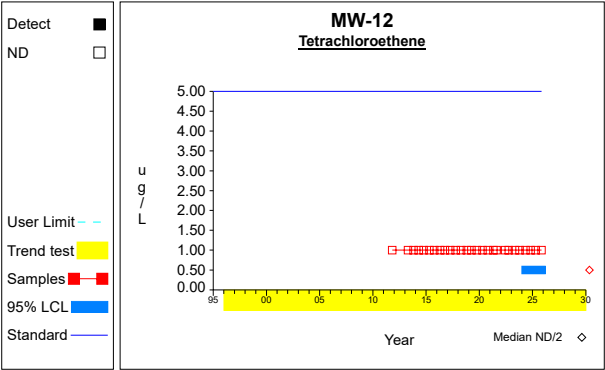
Graph 9



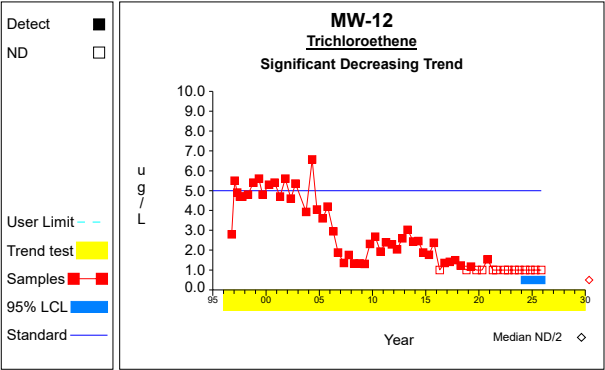
Graph 10



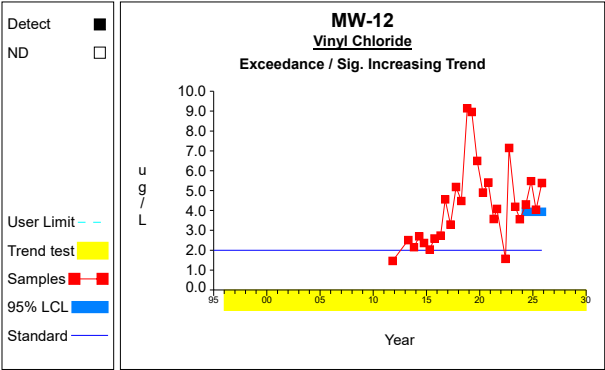
Graph 11



Graph 12

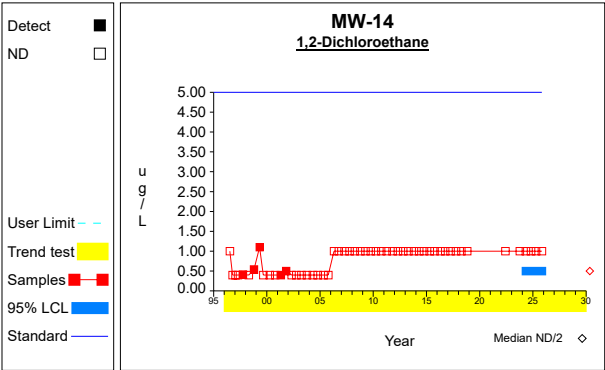


Graph 13

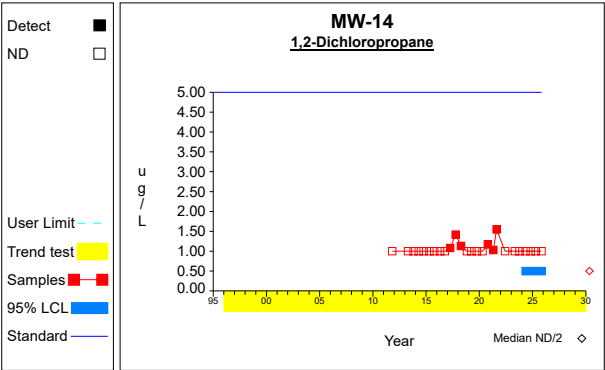


Graph 14

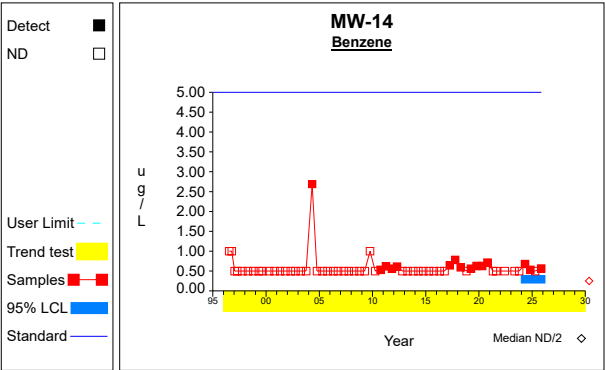
Confidence Limits (Assessment)



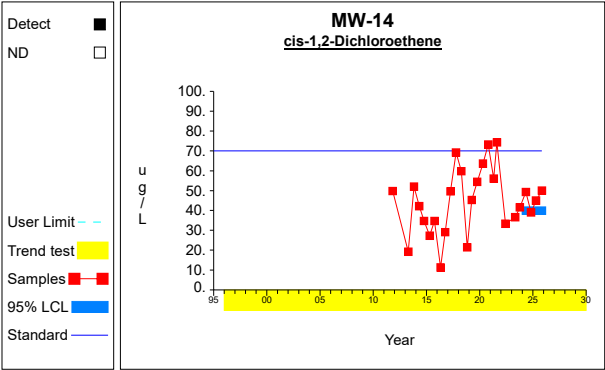
Graph 15



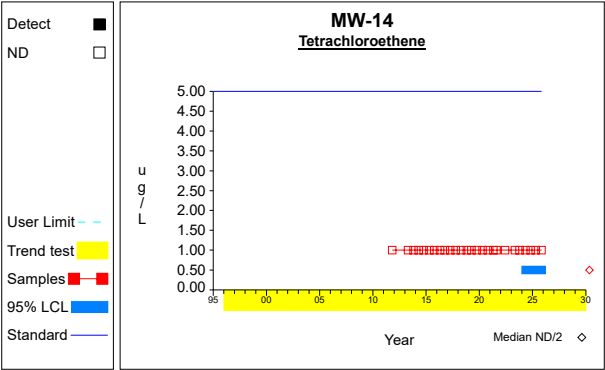
Graph 16



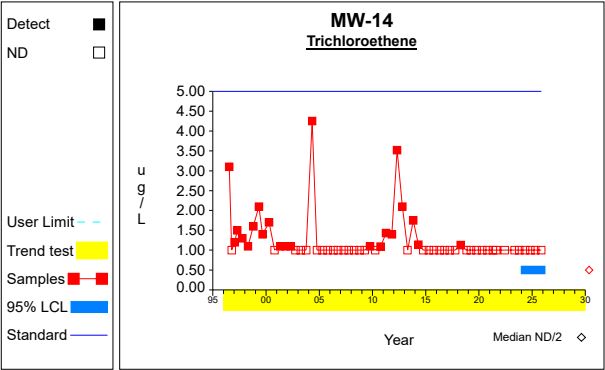
Graph 17



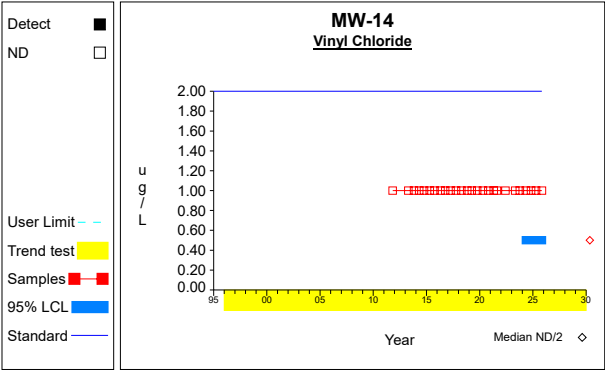
Graph 18



Graph 19

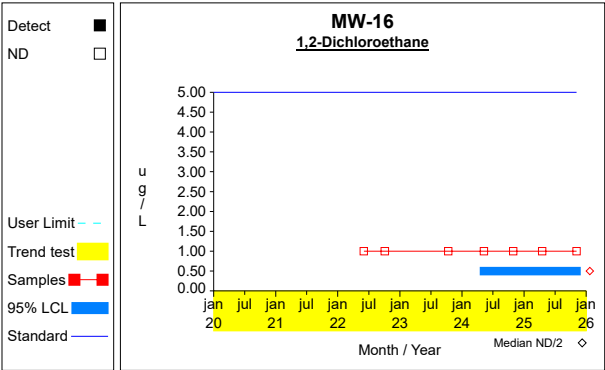


Graph 20

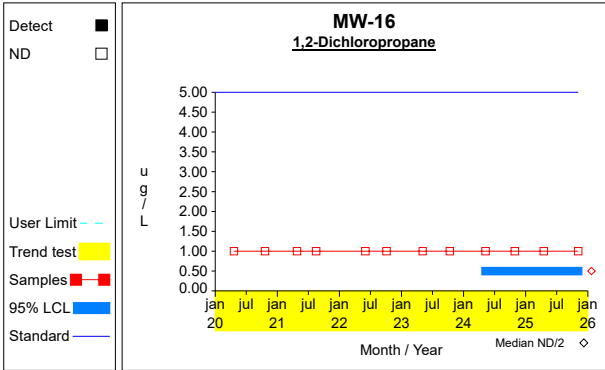


Graph 21

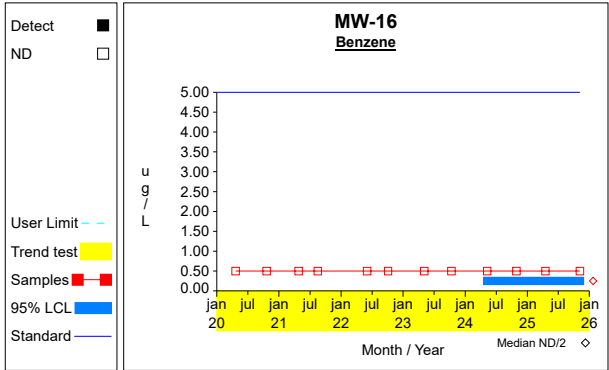
Confidence Limits (Assessment)



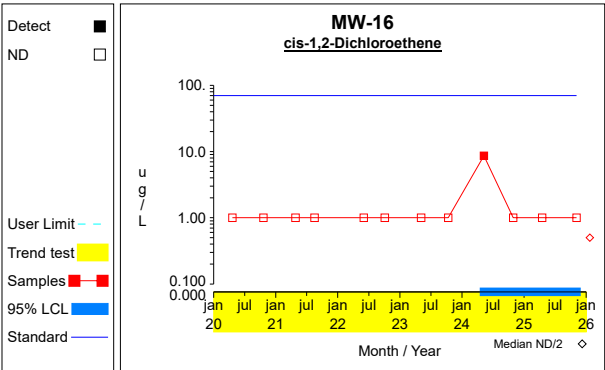
Graph 22



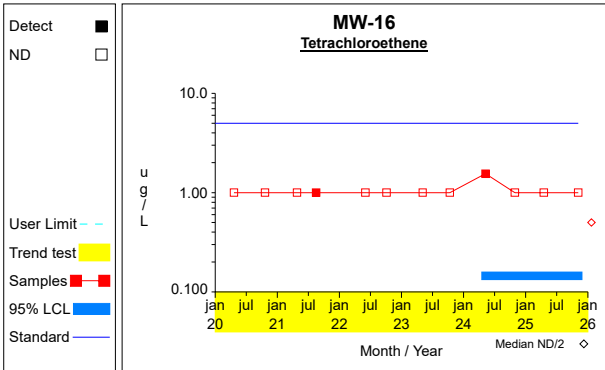
Graph 23



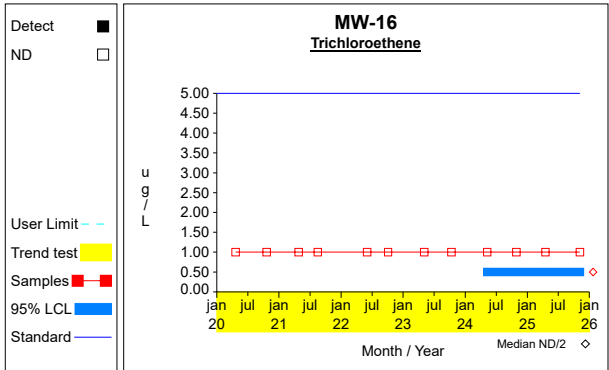
Graph 24



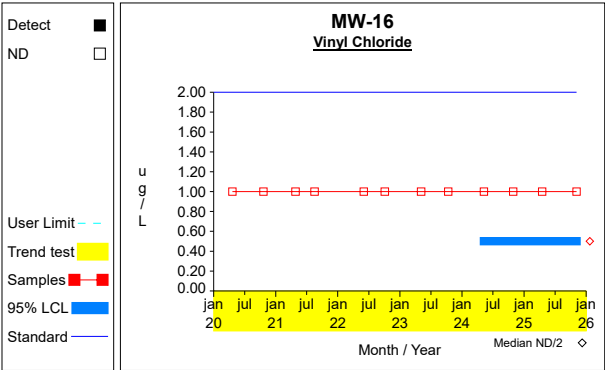
Graph 25



Graph 26

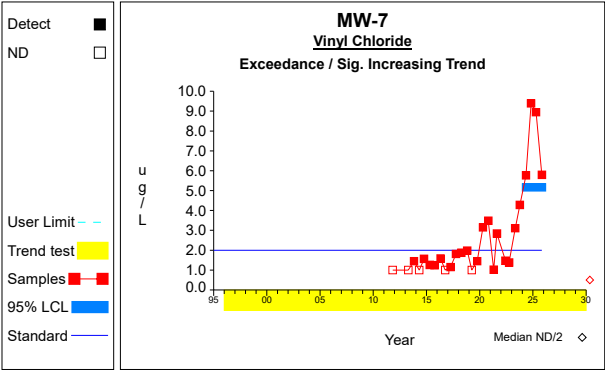
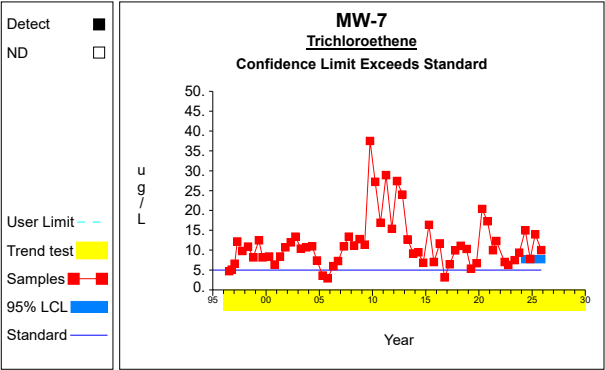
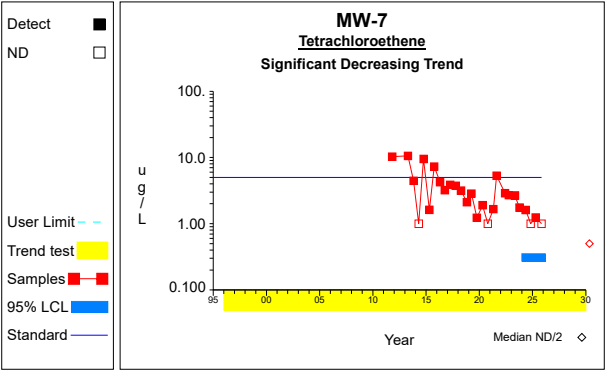
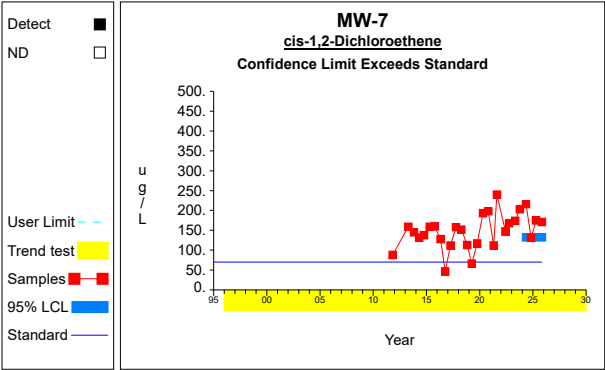
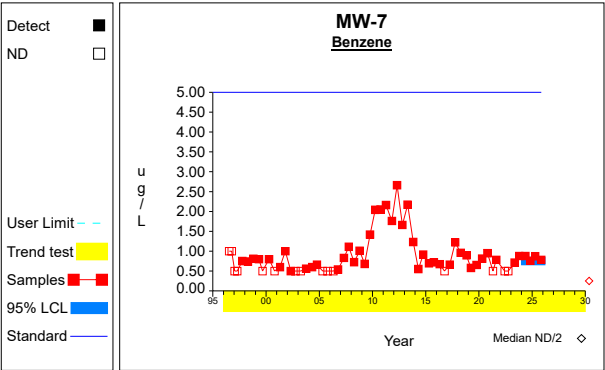
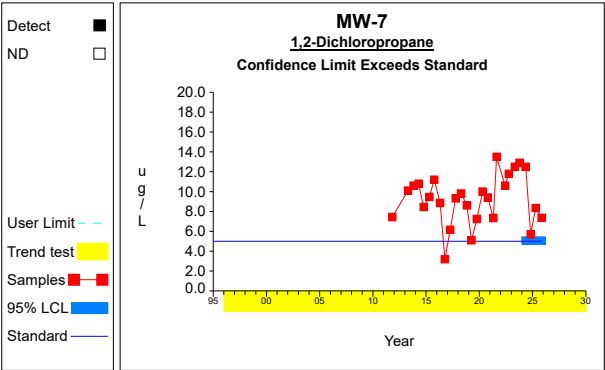
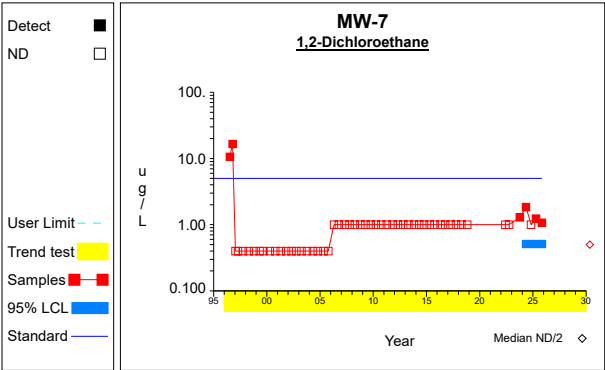


Graph 27

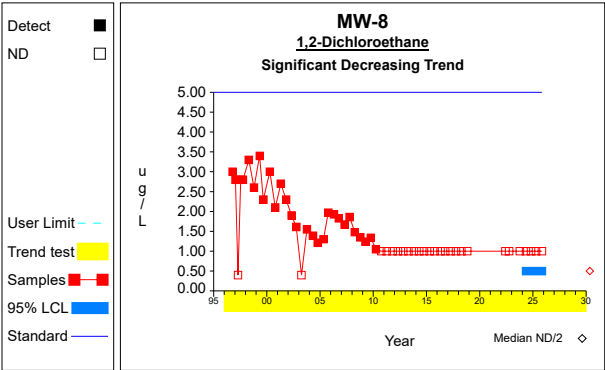


Graph 28

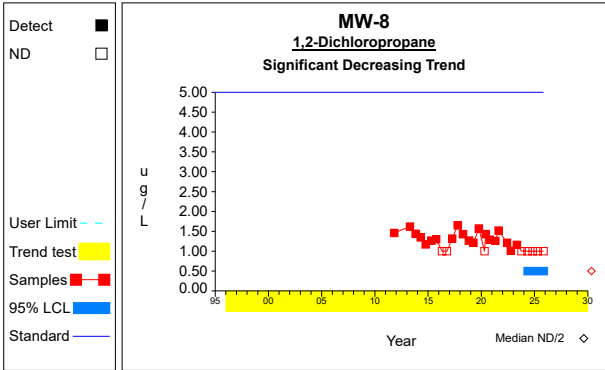
Confidence Limits (Assessment)



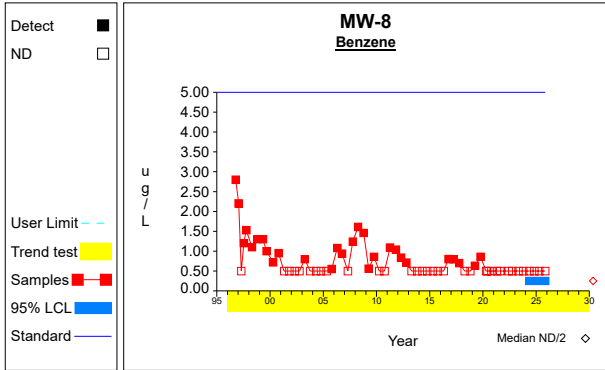
Confidence Limits (Assessment)



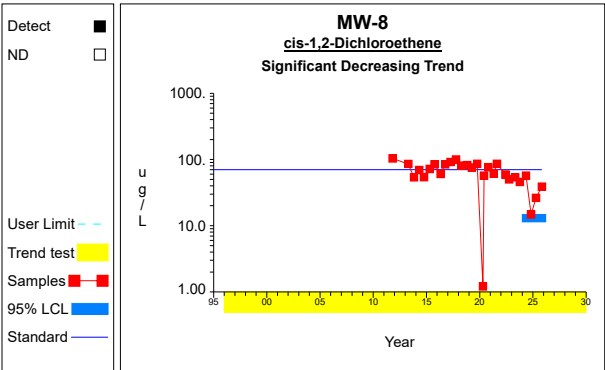
Graph 36



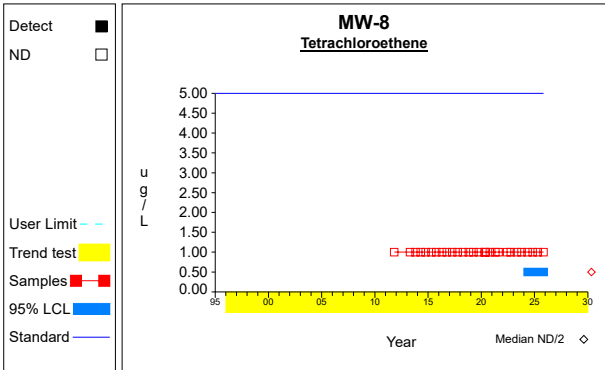
Graph 37



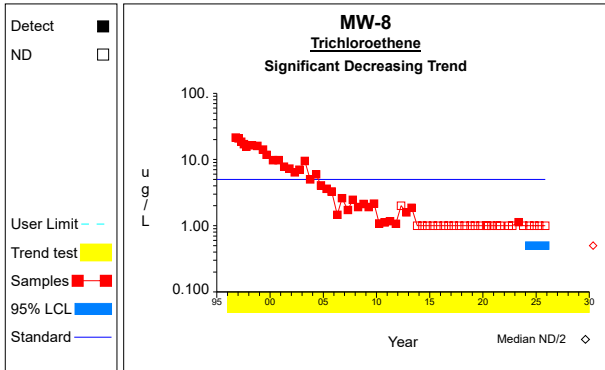
Graph 38



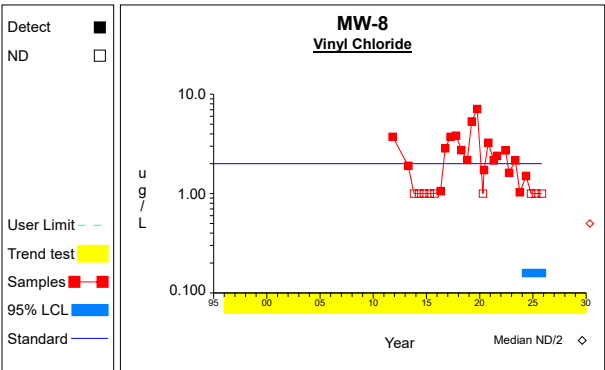
Graph 39



Graph 40



Graph 41



Graph 42