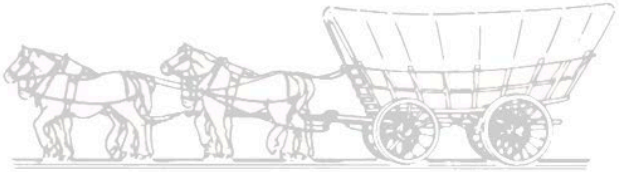
2026 First Semi-Annual Environmental Monitoring Report

FOR

Northern Landfill

WESTMINSTER, MARYLAND



Prepared For:

CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS

June 2026

PREPARED BY:

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Northern Landfill
2026 First Semi-Annual Environmental Monitoring Report
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Northern Landfill
2026 First Semi-Annual Environmental Monitoring Report
January 1, 2026 through June 30, 2026

1.0 INTRODUCTION

This First Semi-Annual Environmental Monitoring Report for the Northern Landfill in Carroll County, Maryland covers the monitoring period from January 1, 2026 through June 30, 2026. In accordance with federal regulations found in 40 CFR 258, the groundwater monitoring data was statistically evaluated using the Non-Parametric ANOVA or the One-Way ANOVA procedures. The Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs) provide numerical standards for substances in water. Therefore, the groundwater monitoring data collected at the Northern Landfill was compared to those levels, as stipulated by the Maryland Department of the Environment (MDE).

1.1 GENERAL SITE CONDITIONS

Carroll County's Northern Landfill is a 220-acre property located on the north side of MD Route 140 approximately one half of a mile northwest of Reese Road in Westminster, Maryland. A Site Vicinity Map is attached as Figure 1.

1.2 SITE GEOLOGY

The topography of the site is characteristic of a terminating ridge. Erosion has occurred radially around the circumference of the terminating ridge forming the swales and small valleys that define Northern Landfill's topography.

The site lies within the uplands of the Piedmont Physiographic Province. In particular, the Northern Landfill is completely underlain by the fine to medium grained low-grade metamorphic schist of the Wissahickon Formation. The Wissahickon Schist has weathered into thin residual clayey silt (mean thickness of 5.5 feet) with minor weathered rock fragments. This unit has since been divided into Gillis Group Phyllite; Prettyboy Schist; and the Pleasant Grove, Sykesville and Morgan Run Formations. Below the soil horizon, a much thicker zone (mean thickness 17') has not yet weathered into soil and exists as decomposed rock or saprolite. The competent Pre-Cambrian aged schist is encountered anywhere from 3.5 to 46 feet below ground surface.

1.3 SITE HYDROGEOLOGY

Groundwater storage occurs primarily in the saprolite and along the fracture networks of the underlying bedrock. The groundwater underlying the Northern Landfill has previously been classified as part of the Prettyboy Schist aquifer. Groundwater flow onsite generally mirrors the topography flowing semi-radially from the topographic high point near MW-23, and then north to northeast across the site towards the West Branch Patapsco River, which flows immediately north of the site. The groundwater velocity onsite ranged from 1.6 to 88 feet per day in in-situ permeability testing performed as part of the Geologic Investigation for the facility (Century Engineering, 1983). The higher end velocities occurred in borings located in the topographic basin located in the northeast portion of the site. The mean groundwater velocity for the site area was determined to be approximately nine (9) ft/day (Century Engineering, 1983).

1.4 SEMI-ANNUAL SAMPLING EVENT

The 2026 First Semi-Annual Environmental Monitoring Event for the Northern Landfill was conducted on January 5 through January 8, 2026. Prior to sampling, the twenty-one (21) monitoring wells were inspected, and the groundwater elevations were measured. All wells were sampled with a submersible pump that was thoroughly decontaminated between sampling locations. The pump intake was set within each well's screened interval, where the well was pumped to induce minimum drawdown of the water column. The water purged from the well was discharged down-gradient of the wellhead. The discharge water was monitored with a water quality meter and upon stabilization of the field parameters the sample was collected and then sent to the lab to be analyzed for the parameters listed on MDE's Tables I and II. The measured field parameters (Temperature, Specific Conductance, Turbidity, pH, Dissolved Oxygen and Oxidation Reduction Potential) from the discharge water, as well as drawdown, for each well were measured and recorded in the field logbook. There are two (2) surface water locations designated SW-1 and SW-2 in the West Branch of the Patapsco River, both locations were sampled during this monitoring period. These locations can be seen in Figure 2. Copies of the field logs from the 2026 First Semi-Annual Environmental Monitoring Event are included in Appendix A of this report.

Northern Landfill – Future Expansion Area

EA Engineering completed its sampling of the Northern Landfill Future Expansion Area in May 2025. Data from the May 2025 sampling event was submitted in the 2025 First Semi-Annual Environmental Monitoring Report. A map detailing the wells of the Future Expansion Area can be seen in Figure 3.

1.5 QUALITY ASSURANCE AND QUALITY CONTROL

In addition to the Quality Assurance (QA) and Quality Control (QC) performed by the contract laboratory, blank and duplicate samples were collected to establish QC for sampling and handling techniques. Rinsate blanks were prepared on-site by running deionized water over the decontaminated sampling equipment, while the trip blanks were prepared by the laboratory and traveled with the bottle ware throughout the event. The rinsate blank and duplicate samples establish QC for sample collection techniques in the field. Trip blanks were used each day during the event to measure potential contamination from bottles, preservatives and sample handling in the laboratory and transportation procedures. All samples were analyzed by ALS Environmental of Middletown, Pennsylvania and Enthalpy Analytical of Wilmington, North Carolina. The laboratory analytical data can be found in Appendix B. The following QA/QC narrative is reflective of the sampling event completed by MES at the Northern Landfill.

Rinsate blanks were collected each day of the sampling event. Iron and turbidity were detected above their MDE PQLs in the rinsate blank prepared on January 5, 2026. Calcium, iron, sodium, chemical oxygen demand and turbidity were detected above their PQLs in the rinsate blank prepared on January 6, 2026. Acetone, calcium, hardness and turbidity were detected above their PQLs in the rinsate blank prepared on January 7, 2026. Acetone, calcium, iron, total dissolved solids and turbidity were detected above their PQLs in the rinsate blank prepared on January 8, 2026.

During this monitoring event duplicate samples were taken from wells MW-A and MW-24D. The duplicate sample collected from well MW-A had concentrations similar to the original sample with the exception of Perfluorooctanic acid (PFOA), Perfluoroocatanesulfonic acid (PFOS), Perfluorononanoic acid (PFNA), Iron and Turbidity. PFOA was detected at a concentration of 111.0 ng/L in the original sample and 88.7 ng/L in the duplicate. PFOS was detected at a concentration of 9.58 ng/L in the original sample and 8.15 ng/L in the duplicate. PFNA was detected at a concentration of 3.84 ng/L in the original sample and 3.14 ng/L in the duplicate. Iron was detected at a concentration of 0.22 mg/L in the original sample and 0.28 mg/L in the duplicate. Turbidity was detected at a concentration of 16.0 NTU in the original sample and 33.0 NTU in the duplicate. The duplicate sample collected from well MW-24D had concentrations similar to the original sample with the exception of Iron and Turbidity. Iron was non-detect in the original sample and 0.021 mg/L in the duplicate. Turbidity was detected at a concentration of 2.1 NTU in the original sample and 0.45 NTU in the duplicate.

There were no VOCs or PFAS detected above their PQLs in any of the laboratory prepared trip blanks during this monitoring event.

The QA/QC data is included in Appendix B with the tabular analytical results summary from this event as well as historical data summaries for each monitoring well and surface water sampling location. The raw laboratory analytical data is also included in Appendix B.

1.6 CHAIN OF CUSTODY DOCUMENTATION

Each sample bottle collected at the Northern Landfill was marked and recorded on the Chain of Custody (COC) with a unique sample designation. Additionally, the sample location, collection time, sample type, and analysis requested were recorded on the COC form. The COC records are established upon receipt of the bottle ware and transported along with the samples through to submission to the lab. This allows for complete sample accountability throughout the process. The samples were preserved as required by the test method and relinquished to the laboratory personnel for transportation to the laboratory. Copies of the COCs are included in Appendix A along with the field logs for the sampling event.

2.0 GROUNDWATER ELEVATION CONTOUR MAP

A Groundwater Elevation Contour Map for the Northern Landfill was prepared to identify the hydraulic gradient across the site. The map was prepared using the groundwater elevation data collected by the Maryland Environmental Service (MES) sampling staff during the 2026 First Semi-Annual Environmental Monitoring Event and is included as Figure 2 in this report. The groundwater on-site flows predominantly to the North, towards the West Branch of the Patapsco River.

3.0 ANALYTICAL RESULTS

All groundwater samples were analyzed for a specified parameter list, MDE Table I Volatile Organic Compounds (VOCs) and Per- and Polyfluoroalkyl Substances (PFAS) and Table II Elements and Indicator Parameters. It should be noted that a variance request for the use of EPA method 353.2 for nitrate-nitrite (as N) for water quality analysis at MES-monitored RCRA facilities was approved by MDE on March 22, 2024; included as Appendix F. A tabular summary of the analytical results from the semi-annual environmental monitoring event is included in Appendix B with the historical data summary for each well and raw laboratory data from ALS Environmental of Middletown, Pennsylvania and Enthalpy Analytical of Wilmington, North Carolina.

3.1 VOLATILE ORGANIC COMPOUNDS

Each sample collected during the January 2026 event was analyzed for the MDE Standard List of VOCs (Table I). At the Northern Landfill, there were five (5) VOC detections in groundwater above their respective PQLs. One (1) of these detections was in exceedance of its USEPA MCL. MW-B was resampled on March 2, 2026 to confirm the exceedance of Benzene; Benzene was non-detect in the resample. Compliance limit exceedances are listed in Table 1 below.

Table 1. VOC Detections in Groundwater Samples at the Northern Landfill

	PQL	MCL	MW-B	MW-B Resample	M-24D
Benzene	1	5	11.3	--	--
1,1-Dichloroethane	1	--	--	--	2
Methyl t-Butyl Ether (MTBE)	2	--	--	--	3.1
Toluene	1	1000	4.3	--	--
Total Xylenes	1	10000	1	--	--

**Concentrations in ug/L*

Additionally, all surface water samples were analyzed for the MDE Standard List of VOCs (Table I) and compared to MDE Numerical Criteria for Toxic Substances in Surface Waters (NCTS). There were no VOC detections in surface water samples above respective PQLs.

3.2 PER-AND POLYFLUOROALKYL SUBSTANCES

The laboratory analyses from Enthalpy Analytical reported thirty-seven (37) Per- and Polyfluoroalkyl Substances (PFAS) detections at or above their prescribed MDE PQLs at the Northern Landfill. Twenty-two (22) of these detections were in exceedance of USEPA MCLs. These compliance limit exceedances are summarized below in Table 2.

Table 2. PFAS Detections in Groundwater Samples at the Northern Landfill

	PQL	MCL	MW-A	MW-B	M-6	M-8	M-9S	M-11D	M-11S	M-12
Perfluorooctanoic acid (PFOA)	4	4	111	13.9	4.14	17.3	16.6	10.4	12.3	4.54
Perfluorooctanesulfonic acid (PFOS)	4	4	9.58	8.96	--	--	5.16	21.8	5.77	--
Perfluorohexanesulfonic acid (PFHxS)	3	10	5.35	--	--	3.58	--	6.44	9.27	--
Perfluorobutanesulfonic acid (PFBS)	3	--	9.34	--	--	5.07	11	--	--	--

	PQL	MCL	M-17DR	M-17S	M-18	M-19	M-21	M-22	M-24D
Perfluorooctanoic acid (PFOA)	4	4	--	--	4.02	9.19	4.85	5.95	23.1
Perfluorooctanesulfonic acid (PFOS)	4	4	--	--	--	10.3	4.98	6.2	4.21
Perfluorohexanesulfonic acid (PFHxS)	3	10	--	--	--	--	3.69	4.8	6.54
Perfluorobutanesulfonic acid (PFBS)	3	--	3.06	4.28	3.38	3.87	--	--	3.92

**Concentrations in ng/L*

There were seven (7) PFAS detections above their prescribed MDE PQLs in the surface water monitoring locations during this monitoring event. Four (4) of these detections were also in exceedance of their MCLs. These compliance limit exceedances are summarized in Table 3.

Table 3. PFAS Detections in Surface Water Samples

	PQL	MCL	SW-1	SW-2
Perfluorooctanoic acid (PFOA)	4	4	--	5.04
Perfluorooctanesulfonic acid (PFOS)	4	4	13	9.91
Perfluorohexanesulfonic acid (PFHxS)	3	10	11.1	9.26
Perfluorobutanesulfonic acid (PFBS)	3	--	3.57	4.14

**Concentrations in ng/L*

3.3 INORGANIC COMPOUNDS

All groundwater samples were analyzed for the standard MDE list of Elements and Indicator Parameters (Table II) for landfills. One (1) parameter was in exceedance of its respective MCL during the January 2026 monitoring event at the Northern Landfill. The compliance limit exceedance is summarized in Table 4.

Table 4. Table II MCL Exceedances in Groundwater Samples

	PQL	MCL	M-24D
Total Mercury	0.0002	0.002	0.0026

* *Concentrations in mg/L*

There were no inorganic surface water detections above the Numerical Criteria for Toxic Substances (NCTS) during the 2026 First Semi-Annual Environmental Monitoring Event.

4.0 STATISTICAL ANALYSIS

In accordance with 40 CFR part 258, the groundwater monitoring data was statistically evaluated using either the Non-Parametric ANOVA or the One-Way ANOVA procedures. Both the Non-Parametric ANOVA (Kruskal-Wallis) and Parametric ANOVA procedures determine if there is a Statistically Significant Increase (SSI) for a particular analyte in the downgradient wells as compared to the site's background wells, which are hydraulically upgradient of the waste cells. Upgradient groundwater monitoring wells M-12, M-17S and M-23 were compared to downgradient wells M-7, M-8, M-9S, M-11S, M-18, M-19, M-21 and M-24D. A commercially available software package (*ChemStat*) was utilized to statistically evaluate the data. The statistical calculations performed for this event are detailed in Appendix C.

Prior to running any statistical tests, the data was transformed to its natural logarithm, as is required by the test method. The chemical data was then tested for fit against a normal distribution using the Shapiro-Wilks-Francia Test for Normality. If the data fit a normal distribution, they were then analyzed using the Levenes Test for Equal Variance in order to determine if Parametric ANOVA analysis or Kruskal-Wallis Non-Parametric Analysis is appropriate.

If the Shapiro-Wilks-Francia test determined that the data did violate normal distribution assumptions, the non-parametric ANOVA method was used (Kruskal-Wallis). When the non-parametric procedure was used, the non-detects were replaced by ranked values by treating all the non-detects as tied values. When the Parametric ANOVA procedure was used, all non-detectable data was replaced with the Laboratory Reporting Limit. The statistical analysis can be found in Appendix C of this report.

The following detections were determined to be SSIs over background during this monitoring event:

- Monitoring well M-11S showed an SSI for Potassium.
- Monitoring well M-18 showed SSIs for Alkalinity, **Arsenic**, Potassium and Sulfate.
- Monitoring well M-19 showed an SSI for **Chromium**.
- Monitoring well M-21 showed SSIs for Alkalinity and Sulfate.
- Monitoring well M-24D showed an SSI for Mercury.

Of the nine (9) SSIs, two (2) are 40 CFR 258 Appendix I Parameters. Arsenic was an SSI in well M-18 and Chromium was an SSI in well M-19. The statistical analyses are in Appendix C.

5.0 LANDFILL GAS MONITORING

The first and second quarter LFG Monitoring Events were performed by SCS on January 2, 2026, and April 7, 2026. The seven (7) onsite gas probes were monitored with a Landtec GEM 5000 infrared Gas Analyzer and Extraction Monitor (GEM). Gas probe PS-01 is a non-compliance probe. The GEM readings were compared to the 40 CFR § 258.23 and COMAR 26.04.07 compliance limits of 25% of the LEL (lower explosive limit of methane) in onsite structures, and 100% of the LEL at the property boundary.

There were no LFG probes in exceedance of 100% of the LEL during the first and second quarter monitoring events. The results from these events are included in Appendix D of this report.

6.0 LEACHATE MONITORING

Leachate from the Northern Landfill was also analyzed for PFOA, PFOS, PFHxS, PFNA, PFBS and HFPO-DA (EPA Method 1633A). The leachate sample for this monitoring period was collected on January 8, 2026. Analytical data for the leachate sample can be found in Appendix B.

7.0 SUMMARY

Volatile Organic Compounds (VOCs)

There were five (5) VOC detections in two (2) monitoring wells at the Northern Landfill during this monitoring period.

Benzene was detected above its MCL of 5.0 mg/L in well MW-B at a concentration of 11.3mg/L. Toluene was detected above its MDE PQL of 1.0 ug/L in well MW-B at concentration of 4.3 ug/L. Total Xylenes was detected at its MDE PQL of 1.0 ug/L in well MW-B. MW-B was resampled on March 2, 2026 to confirm the exceedance of Benzene. Benzene, Toluene and Total Xylenes were non-detect in the resample.

1,1-Dichloroethane (1,1-DCA) was detected above its MDE PQL of 1.0 ug/L in well M-24D at a concentration of 2.0 ug/L. Methyl-Tert-Butyl-Ether (MTBE) was detected above its MDE PQL of 2.0 ug/L in well M-24D at a concentration of 3.1ug/L.

1,1-DCA has historically been detected in well M-24D with concentrations between 1.0 ug/L to 2.2 ug/L. These detections were previously believed to be the result of tears in the leachate lagoon liners of Pond 1 and Pond 2, however now it is believed that remnant landfill gas may be attributing to the low-level detections of 1,1-DCA. Pond 1 is located near a stormwater catchment basin and Pond 2, the larger pond, is located adjacent to Pond 1; both of which are upgradient to M-24D. The Pond 1 liner replacement was completed in September of 2017, and the Pond 2 liner was completed in December of 2017.

In January 2018, as part of a mercury investigation in well M-24D, two (2) monitoring wells, MW-A and MW-B, were installed up-gradient to Ponds 1 & 2 and down-gradient from the landfill cells. Since August 2019, 1,1-DCA has not been detected above its PQL in MW-A. Because MW-A is upgradient to Ponds 1 and 2, it is speculated that the source of the current low-level 1,1-DCA detections in MW-A and M-24D is not attributed to the previous tears in the leachate lagoons and could be attributed to another source such as residual landfill gas contamination when the gas system was previously inactive in the area. Methane was previously detected above its LEL in monitoring probes PS-05 & PS-06 near well MW-A during 2012 and 2013. All other probes around the site also had elevated

methane concentrations during the previously mentioned monitoring events. It should be noted that the LFG system was temporarily offline during the first half of 2018 and then came online during the second half of 2018. While the LFG system was offline in the proximity of MW-A, it is possible that LFG migration could still be affecting the ground water, thus justifying the low-level VOC detections. 1,1-DCA concentrations in well MW-A have been steadily declining since the well was installed in 2018 but have been slightly increasing in well M-24D since 2013; time series graphs of 1,1-DCA concentrations in wells MW-A and M-24D are located at the end of Appendix C. It is possible that the differing trends between the wells reflect how the site's variable geology disperses landfill gas over time. There is no EPA MCL for 1,1-DCA.

In addition to the detection of 1,1-DCA in well M-24D, the detection of MTBE in well M-24D, may also be attributed to the remnant landfill gas impacts on the site's groundwater. As stated earlier, the landfill gas in the area of the well has since been remediated. The presence of MTBE has historically been detected at or just above its MDE PQL of 2.0 ug/L in monitoring well M-24D with concentrations between 1.26 ug/L to 3.5 ug/L. As noted, Well M-24D is located over two hundred (200) feet from the property boundary, thus it is not an accurate depiction of the RPOC.

Due to the geographical position of well M-24D and its low-level detections of 1,1 DCA, and MTBE paired with decreasing concentrations, MES believes there is not an immediate concern for human health or the environment. 1,1-DCA and MTBE in wells MW-A and M-24D will continue to be closely monitored for concentration increases in upcoming monitoring events.

Per- and Polyfluoroalkyl Substances (PFAS)

There were thirty-seven (37) PFAS detections above their MDE PQLs during this monitoring event at the Northern Landfill. Twenty-two (22) of these detections were in exceedance of their MCLs. Perfluorooctanoic acid (PFOA) was detected above its MCL of 4.0 ng/L in monitoring wells MW-A, MW-B, M-6, M-8, M-9S, M-11D, M-11S, M-12, M-18, M-19, M-21, M-22 and M-24D at respective concentrations of 111.0 ng/L, 13.9 ng/L, 4.14 ng/L, 17.3 ng/L, 16.6 ng/L, 10.4 ng/L, 12.3 ng/L, 4.54 ng/L, 4.02 ng/L, 9.19 ng/L, 4.85 ng/L, 5.95 ng/L and 23.1 ng/L. Perfluoroocatanesulfonic acid (PFOS) was detected above its MCL of 4.0 ng/L in monitoring wells MW-A, MW-B, M-9S, M-11D, M-11S, M-19, M-21, M-22 and M-24D at respective concentrations of 9.58 ng/L, 8.96 ng/L, 5.16 ng/L, 21.8 ng/L, 5.77 ng/L, 10.3 ng/L, 4.98 ng/L, 6.2 ng/L and 4.21 ng/L.

It should be noted that PFOA and PFOS were found in exceedance of their respective MCLs throughout many of the wells in the Northern Landfill Future Expansion Area.

The PFAS Hazard Index for the Northern Landfill is included in Appendix E. MES will continue to monitor for any changes in PFAS detections.

Inorganic Compounds

There was one (1) inorganic MCL exceedance at the Northern Landfill during the 2026 First Semi-Annual Environmental Monitoring Event. Mercury was detected above its MCL of 0.002 mg/L in well M-24D at a concentration of 0.0026 mg/L.

In March 2018 MDE and MES agreed that the former leachate lagoons, that have since been re-lined, were the likely sources of the mercury detected in M-24D. With the likely source of contamination replaced, Mercury levels in M-24D are declining from the peak concentration of 0.0034 mg/L in August of 2019. It is anticipated that the Mercury concentration in M-24D will continue to fall below its prescribed MCL during future monitoring events. It should also be noted that wells MW-A and MW-B, which are upgradient to the lagoons and downgradient from the landfill, have never had Mercury detections above the PQL. Furthermore, well M-24D is located over two hundred (200) feet from the property boundary, thus it is not an accurate depiction of the RPOC. There is a time series graph of Mercury concentrations in well M-24D located in Appendix C. MES will continue to monitor the levels of Mercury in wells M-24D and MW-A and MW-B for increases in concentrations.

Surface Waters

There were no inorganic parameters in exceedance of their NCTS in surface water samples. There were no VOC detections in surface water samples above respective PQLs.

There were seven (7) PFAS detections above their PQLs, four (4) of these detections were in exceedance of their MCLs. Perfluorooctanoic acid (PFOA) was detected above its MCL of 4.0 ng/L in surface water SW-2 at a concentration of 5.04 ng/L. Perfluoroocatanesulfonic acid (PFOS) was detected above its MCL of 4.0 ng/L in surface waters SW-1 and SW-2 at respective concentrations of 13.0 ng/L and 9.91 ng/L. Perfluorohexanesulfonic acid (PFHxS) was detected above its MCL of 10.0 ng/L in surface water SW-1 at a concentration of 11.1 ng/L.

The PFAS Hazard Index for the Northern Landfill is included in Appendix E. MES will continue to monitor for any changes in PFAS detections.

Statistical Analysis

The SSIs noted during this monitoring period were for Alkalinity, Arsenic, Chromium, Mercury, Sulfate, and Potassium. Of these parameters, Arsenic and Chromium are on the

40 CFR 258 Appendix I list. These SSIs are similar to the SSIs found in past semi-annual reports.

Landfill Gas Monitoring

There were no landfill gas probes in exceedance during the first and second quarter monitoring events.

Based on the results of this monitoring period MES recommends that the facility remain in a Detection Monitoring program.

Figure 1

Site Vicinity Map

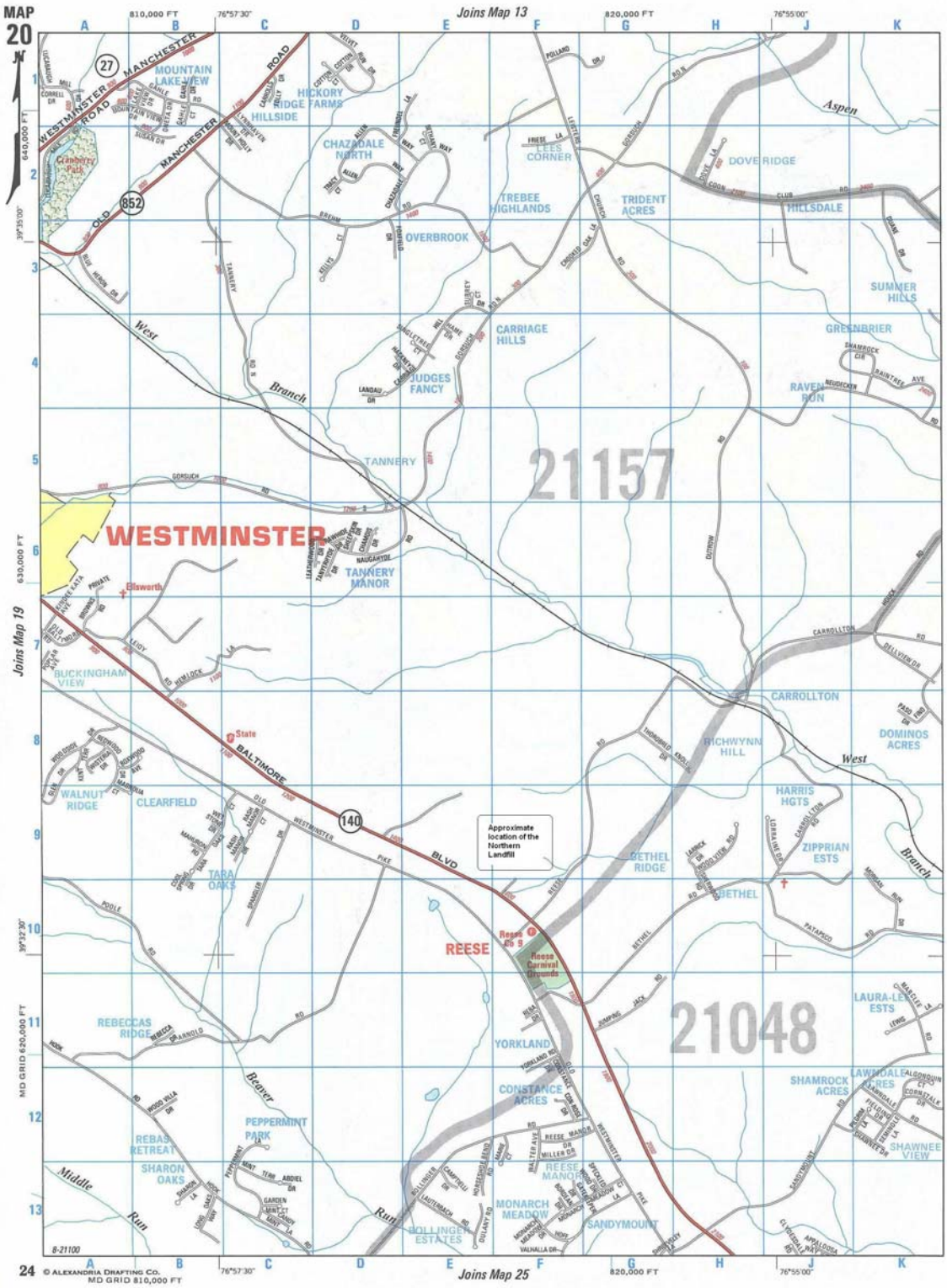
MAP 20
Joins Map 13
Joins Map 19
Joins Map 25
WESTMINSTER
21157
21048
MANCHESTER ROAD
OLD MANCHESTER ROAD
BALTIMORE BLVD
MOUNTAIN LAKE VIEW
HICKORY RIDGE FARMS
HILLSIDE
CHAZADALE NORTH
LEES CORNER
DOVE RIDGE
HILLSDALE
TREBEE HIGHLANDS
TRIDENT ACRES
OVERBROOK
SUMMER HILLS
CARRIAGE HILLS
GREENBRIER
JUDGES FANCY
RAVEN RUN
TANNERY
TANNERY MANOR
BUCKINGHAM VIEW
WALNUT RIDGE
CLEARFIELD
TARA OAKS
CARROLLTON
RICHWYNN HILL
DOMINOS ACRES
HARRIS HGTS
ZIPPRIAN ESTS
BETHEL RIDGE
BETHEL
REESE
Reese Carnival Grounds
Approximate location of the Northern Landfill
REBECCAS RIDGE
YORKLAND
LAURA-LEE ESTS
CONSTANCE ACRES
SHAMROCK ACRES
LAWNDALE ACRES
PEPPERMINT PARK
REBAS RETREAT
SHARON OAKS
REESE MANOR
SHAWNEE VIEW
MONARCH MEADOW
SANDYMOUNT
BOLLINGER ESTATES
Aspen
West Branch
Beaver Middle Run
Elsworth
State
Regan Co 5
MD GRID 630,000 FT
MD GRID 620,000 FT
810,000 FT
820,000 FT
76°57'30"
76°55'00"
39°35'00"
39°32'30"
8-21100
24 © ALEXANDRIA DRAFTING CO. MD GRID 810,000 FT

Figure 2

Groundwater Contour Elevation Map

SS-1
SS-2
633.98 M-24D
651.99 MW-A
676.52 MW-B
627.73 M-8
647.25 M-14
691.98 M-15
704.88 M-7
717.89 M-18
716.10 M-9S
746.83 M-3
727.46 M-6
743.47 M-4
754.31 M-11S
754.58 M-11D
770.67 M-22
783.05 M-21
770.62 M-19
789.17 M-12
800.92 M-23
790.83 M-17S
M-17D
610
620
630
640
650
660
670
680
690
700
710
720
730
740
750
760
770
780
790
ABANDONED
NORTH
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LEGEND

- GROUNDWATER ELEVATION CONTOURS FROM WELL DATA (CONTOUR INTERVAL EVERY 10 FEET) (GROUNDWATER ELEVATION)
- PS-# LANDFILL GAS PROBE
- 745.90 GROUNDWATER ELEVATION, IN FEET ABOVE MSL.
- M-# SHALLOW WELL LOCATION
- A-4D DEEP WELL LOCATION
- 760 EXISTING TOPO
- PROPERTY LINE
- PW-# PROPOSED WELL
- PW-# STREAM SAMPLE LOCATION

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft

NAME

Maryland ENVIRONMENTAL SERVICE

NORTHERN LANDFILL

GROUNDWATER MAP JANUARY 2026

CARROLL COUNTY, MARYLAND

Figure 3

Northern Landfill Expansion Map

GENERAL NOTES

1. APPROXIMATE SITE BOUNDARY, EASEMENTS, AND RIGHTS-OF-WAYS BASED ON A SURVEY DATA PREPARED BY CLSI, INC. DATED 2023.
2. EXISTING SITE CONDITIONS AND TOPOGRAPHY ARE BASED ON AN AERIAL SURVEY BY AXIS GEOSPATIAL, DATED MARCH 2023.
3. PROPOSED GROUNDWATER MONITORING WELL LOCATIONS ARE APPROXIMATE.

LEGEND

- M-## — EXISTING MONITORING WELL
- M-## — PROPOSED MONITORING WELL
- EXISTING LANDFILL
- PROPOSED LANDFILL EXPANSION
- ### — MARCH 2023 GROUNDWATER CONTOUR

HORIZONTAL DATUM: MARYLAND STATE PLANE NAD 83

VERTICAL DATUM: NAVD 88

FULL SIZE PLOT: 24" x 36"

0 150 300 600
GRAPHIC SCALE IN FEET

DATE: MARCH 2024

PROJECT NAME
CARROLL COUNTY RESOURCE RECOVERY PARK AND NORTHERN LANDFILL EXPANSION

PROJECT ADDRESS
BALTIMORE BOULEVARD, CARROLL CO, MD

FIGURE TITLE
NEW GROUNDWATER MONITORING WELL LOCATIONS WITH TREE LOCATIONS

FIGURE NO. 1

EA Engineering, Science, and Technology, Inc., PBC

225 Schilling Circle, Suite 400
Hunt Valley, Maryland 21031
(410) 584-7000

www.eaest.com

FILE PATH: Q:\PROJECTS\183051 - CORROPAD\PRODUCTION\FIGURES\PHASE II REPORT\HYDROGEOLOGIC INVESTIGATION MEMO\183051 - HYDROGEOLOGIC INVESTIGATION - NEW GROUNDWATER MONITORING WELL LOCATIONS WITH TREES.DWG [FIGURE 1] 8/5/2024 7:04 AM

Appendix A

Field Logs

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** ALS	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
Invoice To: Same		**Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-4	Grab	1 Liter Plastic Unpreserved	GW	1	1/5/26	931	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
2	M-6	Grab	Same as number 1	GW	10	1/5/26	1020	Same as number 1
3	M-3						1101	
4	M-14						1148	
5	M-15						1229	

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/5/26	Time 1515
Transferred by:	Received by: CFCR ALS 1/5/26	Date	Time 1503
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:

Laboratory: ALS

Sampler: Collin Blake, Megan Smith

Client Name: Maryland Environmental Service, Attn: Wil Herpel

Facility Name: Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368

Profile#/ Project#: ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same

Turnaround Time: Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
6	M-7	Grab	1 Liter Plastic Unpreserved	GW	1	1/5/26	1312	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
↓	↓	Grab	250 ml Plastic H2SO4	GW	1	↓	↓	Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	3	↓	↓	EDB and DBCP - 8011
7	R~ Blank	Grab	Same as number 1	DI GW	10	1/5/26	1335	Same as number 1
8	Trip Blank	Grab	40 ml Glass VOA Vial, HCl	DI	10	1/5/26	X	MDE Table I VOC's - 8260 (25 ml purge)
9	Trip Blank	Grab	40 ml Glass VOA Vial, UNP	DI	10	↓	X	EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/5/26	Time 1515
Transferred by:	Received by: FEDEX ALS 1/5/26	Date	Time 1513
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #: | **Laboratory:** Enthalphy Ultratrace | **Sampler:** Megan Smith, Collin Blake

Client Name: Maryland Environmental Service, Attn: John Agnoli | **Facility Name:** Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358 | **Project# / Purpose:** 2531-1401 (groundwater monitoring)

Invoice To: Same | **Turnaround Time:** routine

WGH 10/2023

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-4	grab	125 mL Plastic Unpreserved	GW	2	1/5/26	931	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-6	grab	Same as number 1	GW	3	1/5/26	1020	Same as number 1
3	M-3	↓	↓	↓	↓	↓	1101	↓
4	M-14	↓	↓	↓	↓	↓	1148	↓
5	M-15	↓	↓	↓	↓	↓	1229	↓
6	M-7	↓	↓	↓	↓	↓	1312	↓
7	R-Blank	↓	125 mL Plastic UNP	~~DI~~	2	↓	1335	↓
8	Trip Blank	↓	↓	↓	1	↓	X	↓

Transferred by: Megan Smith	Received by: MES Fridge	Date 1/5/26	Time 1515
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** ALS	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
Invoice To: Same		**Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-170R ✓	Grab	1 Liter Plastic Unpreserved	GW	1	1/6/26	852	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	3	↓	↓	EDB and DBCP - 8011
2	M-175 ✓	Grab	Same as number 1	GW	10	1/6/26	927	Same as number 1
3	M-23 ✓	↓	↓	↓	↓	↓	1018	↓
4	M-12 ✓						1102	
5	M-22 ✓						1153	

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/6/26	Time 1430
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

LEO-DJ

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** ALS	**Sampler:** Collin Blanc, Megan Smith
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
Invoice To: Same		**Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
6	M-19 ✓	Grab	1 Liter Plastic Unpreserved	GW	1	1/6/26	1243	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
7	R-Blank ✓	Grab	Same as number 1	GW	10	1/6/26	1310	Same as number 1
8	Trip Blank ✓	Grab	40 ml Glass VOA Vial, HCl	DI	3	1/6/26	X	MDE Table I VOC's - 8260 (25 ml purge)
9	Trip Blank ✓	Grab	40 ml Glass VOA Vial, UNP	DI	3	↓	X	EDB and DBCP - 8011

Transferred by: Collin Blanc	Received by: MES Fridge	Date 1/6/26	Time 1430
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

2605

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	Laboratory: Enthalphy Ultratrace	Sampler: Megan Smith Collin Blake
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-17DR	grab	125 mL Plastic Unpreserved	GW	2	1/6/26	852	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-17S	grab	Same as number 1	GW	3	1/6/26	927	Same as number 1
3	M-23	↓	↓	↓	↓	↓	1018	↓
4	M-12	↓	↓	↓	↓	↓	1102	↓
5	M-22	↓	↓	↓	↓	↓	1153	↓
6	M-19	↓	↓	↓	↓	↓	1243	↓
7	Rinse Blank	grab	125 mL Plastic Unpreserved	DI	2	1/6/26	1310	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
8	Trip Blank	grab	125 mL Plastic Unpreserved	DI	1	↓	X	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A

Transferred by: Megan Smith	Received by: MES Fridge	Date 1/6/26	Time 1430
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** ALS	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
Invoice To: Same		**Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-11	Grab	1 Liter Plastic Unpreserved	GW	1	1/7/26	919	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
2	M-11D	Grab	Same as number 1	GW	10		1003	Same as number 1
3	M-11S						1042	
4	MW-A						1125	
5	MW-A dup						1128	
6	MW-B						1251	

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/7/26	Time
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** ALS	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
Invoice To: Same		**Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
7	M-18	Grab	1 Liter Plastic Unpreserved	GW	1	1/7/16	1335	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
↓	↓	Grab	250 ml Plastic H2SO4	GW	1	↓	↓	Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	2			MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	2		↓	EDB and DBCP - 8011
8	R - blank	Grab	Same as number 1	~~GW~~ DI	8	↓	1355	Same as number 1
9	Trip Blank	Grab	40 ml Glass VOA Vial, HCl	DI	2	1/7/16	X	MDE Table I VOC's - 8260 (25 ml purge)
10	Trip Blank	Grab	40 ml Glass VOA Vial, UNP	DI	2	↓	X	EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/7/16	Time
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** Enthalphy Ultratrace	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-21	grab	125 mL Plastic Unpreserved	GW	2	1/7/26	919	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-11D	grab	Same as number 1	GW	3		1001	Same as number 1
3	M-11S						1042	
4	MW-A						1125	
5	MW-A dup						1128	
6	MW-B						1251	
7	M-18						1335	
8	Rinse Blank	grab	125 mL Plastic Unpreserved	DI	2	1/7/26	1355	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
9	Trip Blank	grab	125 mL Plastic Unpreserved	DI	1	↓	X	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/7/26	Time
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:

Laboratory: ALS

Sampler: Collin Blake, Megan Smith

Client Name: Maryland Environmental Service, Attn: Wil Herpel

Facility Name: Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368

Profile#/ Project#: ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same

Turnaround Time: Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-24D ✓	Grab	1 Liter Plastic Unpreserved	GW	1	1/8/26	1018	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
↓	↓	Grab	250 ml Plastic H2SO4	GW	1	↓	↓	Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	3	↓	↓	EDB and DBCP - 8011
2	M-24D DUP ✓	Grab	Same as number 1	GW	10	1/8/26	1021	Same as number 1
3	M-8 ✓	↓	↓	↓	↓	↓	1103	↓
4	M-9S ✓	↓	↓	↓	↓	↓	1148	↓
5	R-Blank ✓	Grab	Same as number 1	DI	~~8~~ 10 (OCS Vials)	1/8/26	1205	Same as number 1
6	Trip Blank ✓	Grab	40 ml Glass VOA Vial, HCl	DI	3	↓	X	MDE Table I VOC's - 8260 (25 ml purge)
7	Trip Blank ✓	Grab	40 ml Glass VOA Vial, UNP	DI	3	↓	X	EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/8/26	Time 1430
Transferred by: MES Fridge	Received by: CHCJR ALS 1-8-26	Date	Time 1430
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

561

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** Enthalphy Ultratrace	**Sampler:** Megan Smith, Collin Blake
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-24D	grab	125 mL Plastic Unpreserved	GW	2	1/8/26	1018	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-24D DUP	grab	Same as number 1	GW	3	1/8/26	1021	Same as number 1
3	M-8	↓	↓	↓	↓	↓	1103	↓
4	M-9S	↓	↓	↓	↓	↓	1148	↓
5	Rinse Blank	grab	125 mL Plastic Unpreserved	DI	2	1/8/26	1420	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
6	Trip Blank	grab	125 mL Plastic Unpreserved	DI	1	↓	X	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A

Transferred by: Megan Smith	Received by: MES Fridge	Date 1/8/26	Time 1430
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-16-0281

Well ID: MW-A

Date: 1/7/25 Samplers: CB, MS

Temperature: 45°F Time arrive at well: _____

Weather Condition: _____ Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay) damaged, Missing Lock ( ) YES ( ) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

*** A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 50.52 ft

C. Pump set at: _____ 64

D. Flow Rate (L/Min) _____

Well Screen Interval 54-74 ft

Previous Depth of Well Bottom: 74 ft

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1104	13.68	5.86	350	.292	28.2	1.23	.190	51.31
2	1107	13.77	5.86	325	.292	23.8	.96	.190	51.31
3	1110	13.99	5.85	266	.292	11.7	.76	.190	51.62
4	1113	14.16	5.80	215	.292	17.0	.67	.190	51.80
5	1116	14.38	5.86	193	.291	15.4	.62	.190	52.16
6	1119	14.34	5.86	186	.291	13.6	.53	.189	52.42
7	1122	14.29	5.85	187	.290	13.4	.50	.188	52.92
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1125

Duplicate Collection Time: 1128

Rinsate Blank Sample Collection Time: _____

Sample Method: low flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-16-0282

Well ID: MW-B

Date: 1/7/26 Samplers: CB/MS

Temperature: 45°F Time arrive at well:

Weather Condition: Sunny Time leave well:

WELL OBSERVATION

Casing and Lid: okay, damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" 4"

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: ft

B. Depth to Water: 39.01 ft

C. Pump set at: 42

D. Flow Rate (L/Min)

Well Screen Interval 32-52.5 ft

Previous Depth of Well Bottom: 52.5 ft

Carbon dioxide (CO_2) Reading PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1200	14.25	6.39	343	0.460	25.1	1.36	0.299	39.60
2	1203	14.43	6.23	308	0.433	16.9	~~0.84~~	0.280	40.20
3	1206	14.47	6.20	283	0.419	14.4	0.81	0.272	40.45
4	1209	14.56	6.15	259	0.383	13.6	0.96	0.247	40.75
5	1212	14.70	6.01	252	0.323	13.1	1.30	0.207	41.00
6	1215	14.72	6.03	287	0.306	9.6	2.65	0.190	41.10
7	1236	14.64	6.09	54	0.329	54.8	3.48	0.213	41.30
8	1239	14.66	6.04	59	0.323	53.2	2.12	0.209	41.75
9	1242	14.65	5.97	78	0.302	87.4	2.01	0.196	42.22
10	1245	14.68	5.91	86	0.292	112	1.87	0.189	42.84
11	1248	14.63	5.89	96	0.285	162	1.91	0.185	43.14
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: Pump died in middle of readings

SAMPLE COLLECTION

Sample Collection Time: 1251

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method:

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-0586

Well ID: M-3

Date: 1/5/25 Samplers: CB/MS

Temperature: Time arrive at well:

Weather Condition: Time leave well:

WELL OBSERVATION

Casing and Lid: (okay) damaged, Missing Lock (X) YES ( ) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

*** A. Depth to Well Bottom:** ft

B. Depth to Water: 52.96 ft

C. Pump set at: 65

D. Flow Rate (L/Min)

Well Screen Interval 55-75 ft

Previous Depth of Well Bottom: 74.3

Carbon dioxide (CO_2) Reading **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1043	9.61	5.88	418	0.164	4.1	5.72	0.107	52.15
2	1046	11.95	5.71	413	0.206	2.4	5.22	0.134	52.28
3	1049	12.62	5.71	406	0.208	1.9	4.78	0.135	52.35
4	1052	12.78	5.71	403	0.208	1.8	4.99	0.135	52.38
5	1055	12.80	5.71	402	0.207	1.6	4.44	0.135	52.36
6	1058	12.86	5.72	400	0.208	1.5	4.57	0.135	52.38
7									
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 1101

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method: low flow

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-0589

Well ID: M-4

Date: 1/5/2026 Samplers: CB/MS

Temperature: 27°F Time arrive at well: _____

Weather Condition: cloudy Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: MS

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO
1/5/26	6:37	19.87	4.03	161	399	4.52	9.55

LOW FLOW SAMPLE INFORMATION & RESULTS

* **A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 62.62 ft

C. Pump set at: 85

D. Flow Rate (L/Min) _____

Well Screen Interval 75-95 ft

Previous Depth of Well Bottom: 95

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	910	11.44	5.45	398	0.057	3.4	10.54	0.036	62.69
2	913	11.53	5.26	422	0.053	3.1	10.19	0.034	62.74
3	916	11.85	5.49	416	0.051	3.6	9.90	0.033	62.72
4	919	11.90	5.36	431	0.051	4.4	9.79	0.033	62.72
5	922	11.93	5.20	446	0.051	3.4	9.72	0.033	62.72
6	925	11.94	5.11	454	0.051	3.9	9.65	0.033	62.72
7	928	11.93	5.22	447	0.051	2.6	9.60	0.035	62.72
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: Had to use distilled water for the day

SAMPLE COLLECTION

Sample Collection Time: 931

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: LOW FLOW

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6099

Well ID: M-6

Date: 1/5/26 Samplers: CB/MS

Temperature: 30°F Time arrive at well: _____

Weather Condition: _____ Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

*** A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 60.00 ft

C. Pump set at: 102

D. Flow Rate (L/Min) _____

Well Screen Interval 97-108 ft

Previous Depth of Well Bottom: 114.4

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1002	10.45	6.41	348	0.426	4.9	4.95	0.277	51[illegible].80
2	1005	11.63	6.46	376	0.431	4.7	3.85	0.280	[illegible].10
3	1008	12.05	6.48	365	0.432	3.5	3.56	0.281	[illegible].50
4	1011	12.08	6.49	356	0.433	3.0	3.17	0.282	61.68
5	1014	12.92	6.50	345	0.438	2.8	3.53	0.285	62.67
6	1017	12.89	6.51	343	0.438	2.8	3.41	0.285	62.69
7	~~1020~~								
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1020

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: low flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6100

Well ID: M-7

Date: 1/5/25 Samplers: CB/MS

Temperature: _____ Time arrive at well: _____

Weather Condition: _____ Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay) damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

*** A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 59.2 ft

C. Pump set at: 68

D. Flow Rate (L/Min) _____

Well Screen Interval 63-73 ft

Previous Depth of Well Bottom: 77

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1251	10.63	6.49	393	0.120	2.3	7.57	0.080	59.50
2	1254	11.56	6.23	396	0.128	1.5	7.37	0.083	59.60
3	1257	11.73	6.18	399	0.127	1.3	8.03	0.082	59.70
4	1300	11.85	6.13	401	0.121	1.1	8.02	0.078	59.81
5	1303	11.97	6.08	404	0.113	1.2	8.03	0.074	59.85
6	1306	12.00	6.04	406	0.110	1.0	8.22	0.072	59.91
7	1309	11.99	6.02	409	0.108	0.8	8.10	0.070	59.98
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1312

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: 1335

Sample Method: _____

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6101

Well ID: M-8

Date: 1/8/26 Samplers: CB/MS

Temperature: 38°F Time arrive at well: _____

Weather Condition: sunny Time leave well: _____

WELL OBSERVATION

Casing and Lid: ~~okay~~, damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* **A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 11.60 ft

C. Pump set at: 35

D. Flow Rate (L/Min) _____

Well Screen Interval 20-50 ft

Previous Depth of Well Bottom: 52

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1042	11.81	5.89	455	.133	2.1	5.97	0.089	11.68
2	1045	12.32	5.93	456	.147	3.4	7.25	0.097	12.02
3	1048	11.82	5.82	460	.146	2.2	3.69	0.095	12.93
4	1051	11.88	5.84	459	.144	2.3	3.38	0.093	13.92
5	1054	11.87	5.83	459	.143	2.4	3.14	0.093	14.63
6	1057	11.87	5.82	459	.142	1.7	3.05	0.093	14.84
7	1100	11.88	583	458	.142	1.7	3.03	0.093	15.01
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1103

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: low Flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6102

Well ID: M-9S

Date: 1/8/26 Samplers: CB/MS

Temperature: 40°F Time arrive at well:

Weather Condition: Sunny Time leave well:

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: ft

B. Depth to Water: 11.00 ft

C. Pump set at: 20

D. Flow Rate (L/Min)

Well Screen Interval 15-25 ft

Previous Depth of Well Bottom: 29.6

Carbon dioxide (CO_2) Reading PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1127	12.51	6.15	419	0.334	0.7	6.63	0.219	11.97
2	1130	12.59	6.18	417	0.342	0-1	2.14	0.222	12.04
3	1133	12.61	6.18	416	0.343	0.0	1.31	0.223	12.07
4	1136	12.66	6.18	414	0.343	0.0	0.90	0.223	12.11
5	1139	12.62	6.18	413	0.344	0.0	0.72	0.224	12.90
6	1142	12.68	6.18	411	0.344	0.0	0.64	0.224	11.90
7	1145	12.72	6.18	409	0.344	0.0	0.56	0.224	11.90
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 1148

Duplicate Collection Time:

Rinsate Blank Sample Collection Time: 1205

Sample Method: low flow

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6105

Well ID: M-11D

Date: 1/7/26 Samplers: CB/MS

Temperature: 41°F Time arrive at well: _____

Weather Condition: Sunny Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay) damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: _____ ft

B. Depth to Water: 12.86 ft

C. Pump set at: _____ 70

D. Flow Rate (L/Min) _____

Well Screen Interval 65-75 ft

Previous Depth of Well Bottom: 77.7

Carbon dioxide (CO_2) Reading _____ PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	939	11.99	6.88	333	.520	0.6	10.60	.333	13.00
2	942	12.00	5.90	376	.492	1.6	6.20	.318	13.2
3	945	12.22	5.79	350	.483	2.2	1.03	.314	13.61
4	948	12.32	5.76	320	.483	1.8	.77	.314	14.32
5	951	12.32	5.78	304	.481	2.0	.68	.313	14.72
6	954	12.37	5.78	287	.481	1.0	.62	.312	14.93
7	957	12.42	5.78	274	.480	0.6	.58	.312	15.03
8	1000	12.44	5.78	274	.479	0.3	.56	.311	15.1
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1003

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: Low Flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6104

Well ID: M-11S

Date: 1/7/26 Samplers: CB/MS

Temperature: 41°F Time arrive at well:

Weather Condition: Sunny Time leave well:

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* **A. Depth to Well Bottom:** ft

B. Depth to Water: 13.04 ft

C. Pump set at: 27

D. Flow Rate (L/Min)

Well Screen Interval 22-32 ft

Previous Depth of Well Bottom: 34.2

Carbon dioxide (CO_2) Reading PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1024	13.30	5.82	392	0.297	0.0	11.02	0.193	13.25
2	1027	13.37	5.79	366	0.299	0.0	1.54	0.194	13.42
3	1030	13.42	5.76	337	0.295	0.0	1.18	0.192	13.63
4	1033	13.52	5.77	307	0.292	0.0	1.15	0.190	14.10
5	1036	13.54	5.76	292	0.296	0.0	1.06	0.192	14.45
6	1039	13.52	5.74	284	0.298	0.0	1.16	0.194	14.55
7									
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 1042

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method: low flow

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6106

Well ID: M-12

Date: 1/6/26 Samplers: CB, MS

Temperature: 35°F Time arrive at well: _____

Weather Condition: Cloudy Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* **A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 54.46 ft

C. Pump set at: 80

D. Flow Rate (L/Min) _____

Well Screen Interval 75-85 ft

Previous Depth of Well Bottom: 86.3

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1041	11.51	7.11	311	1.13	4.9	1.81	.725	55.63
2	1044	12.12	7.32	271	1.13	3.7	1.20	.723	56.08
3	1047	12.38	7.46	197	1.12	2.3	.96	.720	56.40
4	1050	12.44	7.47	150	1.12	2.8	.71	.716	57.02
5	1053	12.34	7.46	138	1.12	2.6	.73	.715	57.19
6	1056	12.33	7.45	131	1.11	2.5	.70	.713	57.42
7	1059	12.14	7.43	124	1.12	2.0	.67	.715	57.62
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1102

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: low flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6108

Well ID: M-14

Date: 1/5/25 Samplers: CB/MS

Temperature: Time arrive at well:

Weather Condition: Time leave well:

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock (X) YES ( ) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: ft

B. Depth to Water: 34.71 ft

C. Pump set at: 74

D. Flow Rate (L/Min)

Well Screen Interval 69-79 ft

Previous Depth of Well Bottom: 79

Carbon dioxide (CO_2) Reading PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1127	10.18	653	389	0.180	1.8	12.22	0.117	34.85
2	1130	10.94	6.55	385	0.180	1.2	7.15	0.117	34.82
3	1133	11.12	6.55	383	0.180	0.9	6.91	0.117	34.82
4	1136	11.11	6.55	382	0.181	0.9	6.40	0.117	34.80
5	1139	11.20	6.55	380	0.180	0.7	6.27	0.117	34.80
6	1142	11.28	6.55	379	0.180	0.9	6.05	0.117	34.79
7	1145	11.13	6.55	379	0.181	0.8	5.84	0.118	34.74
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 1148

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method: LOW flow

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6109

Well ID: M-15

Date: 1/8/25 Samplers: CB/MS

Temperature: _____ Time arrive at well: _____

Weather Condition: _____ Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay) damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* **A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 53.46 ft

C. Pump set at: 83

D. Flow Rate (L/Min) _____

Well Screen Interval 78-88 ft

Previous Depth of Well Bottom: 92.3

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1211	9.00	6.97	360	0.193	7.5	7.88	0.126	53.91
2	1214	9.72	6.85	366	0.200	2.7	6.74	0.130	53.82
3	1217	9.86	6.81	370	0.200	2.7	6.31	0.130	53.71
4	1220	9.67	6.80	374	0.201	2.2	6.05	0.130	53.66
5	1223	9.72	6.79	375	0.200	2.1	6.07	0.130	53.64
6	1226	9.69	6.78	376	0.200	1.9	6.04	0.130	53.62
7									
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1229

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: low flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well ID: M-17DR

Date: 1/6/26 Samplers: MS/CB

Temperature: 30°F Time arrive at well:

Weather Condition: cloudy Time leave well:

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: MS

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO
1/6/25	652	15.75	4.00	501	4.39	0.0	7.02

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: _____ ft

B. Depth to Water: 65.16 ft

C. Pump set at: 112

D. Flow Rate (L/Min) _____

Well Screen Interval 75-150 ft

Previous Depth of Well Bottom: 157.6 ft

Carbon dioxide (CO_2) Reading _____ PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	834	11.23	6.77	100	2.21	18.7	5.74	1.42	66.30
2	837	11.79	7.02	85	2.23	19.3	3.51	1.43	66.50
3	840	11.95	7.11	82	2.23	18.7	3.41	1.43	66.91
4	843	12.15	7.16	80	2.23	17.7	2.98	1.43	67.25
5	846	12.18	7.17	80	2.23	16.1	2.74	1.43	67.55
6	849	12.09	7.18	83	2.23	14.9	2.35	1.43	67.78
7									
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 852

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method: low flow

Sample Description and Comments: Had to use distilled water for the day

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-1804

Well ID: M-17S

Date: 1/6/26 Samplers: MS/CB

Temperature: _____ Time arrive at well: _____

Weather Condition: _____ Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay) damaged Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

*** A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 66.98 ft

C. Pump set at: 68

D. Flow Rate (L/Min) _____

Well Screen Interval 63-73 ft

Previous Depth of Well Bottom: 74.7

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	909	10.89	7.27	288	2.87	114	3.02	1.84	67.68
2	912	12.89	7.30	252	2.92	14.1	1.34	1.87	67.96
3	915	13.49	7.31	180	2.93	49.5	1.02	1.87	68.47
4	918	13.63	7.31	150	2.90	29.5	.96	1.86	68.96
5	921	13.72	7.31	143	2.87	23.2	.98	1.83	69.14
6	924	13.80	7.30	145	2.79	22.3	.96	1.80	69.52
7									
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: Water was low and kind of close to bottom

SAMPLE COLLECTION

Sample Collection Time: 927

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: low flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6110

Well ID: M-18

Date: 1/7/26 Samplers: CB/MS

Temperature: 45°F Time arrive at well:

Weather Condition: Sunny Time leave well:

WELL OBSERVATION

Casing and Lid: ~~okay~~, damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: ft

B. Depth to Water: 16.40 ft

C. Pump set at: 43

D. Flow Rate (L/Min)

Well Screen Interval 38-48 ft

Previous Depth of Well Bottom: 51.5

Carbon dioxide (CO_2) Reading PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1311	12.78	7.70	240	.487	18.8	10.53	.317	17.47
2	1314	12.70	7.95	255	.487	17.0	9.21	.317	17.54
3	1317	12.61	8.09	264	.493	3.8	3.09	.321	17.62
4	1320	12.60	8.04	272	.498	2.2	2.41	.324	17.62
5	1323	12.59	8.00	276	.500	1.5	1.94	.320	17.62
6	1326	12.59	7.99	275	.501	1.1	1.71	.320	17.65
7	1329	12.57	7.96	277	.500	1.2	1.64	.321	17.68
8	1332	12.60	7.90	278	.502	0.7	1.60	.321	17.70
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 1335

Duplicate Collection Time: ~~1335~~ 1338

Rinsate Blank Sample Collection Time: 1355

Sample Method: LOW FLOW

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-81-6111

Well ID: M-19

Date: 1/6/2026 Samplers: CB/MS

Temperature: Time arrive at well:

Weather Condition: Time leave well:

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* **A. Depth to Well Bottom:** ft

B. Depth to Water: 49.70 ft

C. Pump set at: 53

D. Flow Rate (L/Min)

Well Screen Interval 38-68 ft

Previous Depth of Well Bottom: 70.2

Carbon dioxide (CO_2) Reading **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1225	11.57	5.90	377	.350	2.6	6.19	.544	50.03
2	1228	11.67	5.80	353	.355	3.3	4.77	.547	50.27
3	1231	12.05	5.80	329	.353	3.8	4.57	.546	50.42
4	1234	12.30	5.80	307	.352	3.3	4.49	.545	50.49
5	1237	12.61	5.80	290	.349	3.2	4.40	.544	51.21
6	1240	12.65	5.79	284	.349	2.9	4.39	.543	51.28
7									
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 1243

Duplicate Collection Time: 1310

Rinsate Blank Sample Collection Time:

Sample Method: LOW FLOW

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-93-0557

Well ID: M-21

Date: 1/26/26 Samplers: MS, CB

Temperature: 35°F Time arrive at well:

Weather Condition: Time leave well:

WELL OBSERVATION

Casing and Lid: (okay, damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: MS

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO
1/7/26	7:12	16.92	4.07	468	4.34	0.0	6.88

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: ft

B. Depth to Water: 24.50 ft

C. Pump set at: 35

D. Flow Rate (L/Min)

Well Screen Interval 25-45 ft

Previous Depth of Well Bottom: 48.2

Carbon dioxide (CO_2) Reading PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	855	12.17	6.09	365	0.507	0.0	4.69	0.325	24.95
2	858	12.35	6.09	339	0.506	0.0	2.27	0.324	24.90
3	901	12.55	6.10	302	0.503	0.0	1.53	0.322	24.95
4	904	12.63	6.10	266	0.511	0.0	1.04	0.327	25.00
5	907	12.76	6.11	237	0.504	0.0	0.91	0.323	25.05
6	910	12.76	6.12	218	0.502	0.0	0.82	0.322	25.05
7	913	12.86	6.12	204	0.501	0.0	0.76	0.320	25.10
8	916	12.84	6.11	195	0.499	0.0	0.70	0.325	25.15
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 919

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method: low flow

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-93-0558

Well ID: M-22

Date: 1/6/26 Samplers: CB / MS

Temperature: 36°F Time arrive at well:

Weather Condition: cloudy Time leave well:

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY:

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

*** A. Depth to Well Bottom:** ft

B. Depth to Water: 52.5 ft

C. Pump set at: 55

D. Flow Rate (L/Min)

Well Screen Interval 45-65 ft

Previous Depth of Well Bottom: 69.7

Carbon dioxide (CO_2) Reading **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	1132	11.18	5.61	383	0.404	1.0	8.30	0.263	52.58
2	1135	11.84	5.53	332	0.407	2.3	7.60	0.265	52.59
3	1138	12.05	5.53	307	0.402	1.7	7.15	0.261	52.61
4	1141	12.26	5.53	280	0.397	1.4	6.51	0.258	52.61
5	1144	12.32	5.53	268	0.396	0.4	6.14	0.257	52.65
6	1147	12.36	5.53	253	0.405	0.0	5.56	0.263	52.65
7	1150	12.41	5.51	248	0.405	0.3	5.32	0.264	52.67
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments:

SAMPLE COLLECTION

Sample Collection Time: 1153

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method: low flow

Sample Description and Comments:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-94-1410

Well ID: M-23

Date: 1/6/26 Samplers: MS / CB

Temperature: _____ Time arrive at well: _____

Weather Condition: _____ Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: _____

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. Depth to Well Bottom: _____ ft

B. Depth to Water: 80.04 ft

C. Pump set at: 75

D. Flow Rate (L/Min) _____

Well Screen Interval 30-120 ft

Previous Depth of Well Bottom: 128.5 ft

Carbon dioxide (CO_2) Reading _____ PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	957	10.14	6.40	384	0.~~436~~ 936	28.1	5.50	0.243	80.23
2	1000	11.68	5.73	381	0.434	29.9	5.00	0.282	80.15
3	1003	11.78	5.69	375	0.434	27.0	4.80	0.282	80.15
4	1006	12.10	5.69	368	0.434	27.0	4.69	0.282	80.15
5	1009	12.15	5.68	362	0.434	25.3	4.62	0.282	80.15
6	1012	12.18	5.68	359	0.434	23.6	4.56	0.282	80.14
7	1015	12.12	5.69	356	0.434	21.7	4.54	0.282	80.14
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1018

Duplicate Collection Time: _____

Rinsate Blank Sample Collection Time: _____

Sample Method: low flow

Sample Description and Comments: _____

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-94-1409

Well ID: M-24D

Date: 1/8/26 Samplers: CB / MS

Temperature: 34°F Time arrive at well: _____

Weather Condition: Sunny Time leave well: _____

WELL OBSERVATION

Casing and Lid: (okay), damaged, Missing Lock ( ) YES (X) NO COMMENTS: _____

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: MS

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO
1/8/26	646	17.16	4.09	508	4.39	0.0	6.60

LOW FLOW SAMPLE INFORMATION & RESULTS

* **A. Depth to Well Bottom:** _____ ft

B. Depth to Water: 12.26 ft

C. Pump set at: 75

D. Flow Rate (L/Min) _____

Well Screen Interval 50-100 ft

Previous Depth of Well Bottom: 103.2 ft

Carbon dioxide (CO_2) Reading _____ **PPM**

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS)/cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	957	12.55	5.42	448	0.261	0.1	5.30	0.168	12.62
2	1000	12.68	5.42	494	0.242	0.0	1.43	0.156	12.68
3	1003	12.74	5.42	526	0.238	0.1	1.05	0.154	12.72
4	1006	12.77	5.42	541	0.236	0.0	0.82	0.153	12.75
5	1009	12.77	5.42	548	0.236	0.0	0.65	0.153	12.77
6	1012	12.81	5.41	556	0.236	0.0	0.57	0.153	12.83
7	1015	12.82	5.42	559	0.236	0.0	0.57	0.153	12.85
8									
9									
10									
11									
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: _____

SAMPLE COLLECTION

Sample Collection Time: 1018

Duplicate Collection Time: 1021

Rinsate Blank Sample Collection Time: _____

Sample Method: low flow

Sample Description and Comments: _____

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:

Laboratory: ALS

Sampler: Collin Blake, Megan Smith

Client Name: Maryland Environmental Service, Attn: Wil Herpel

Facility Name: Northern Landfill (SW)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368

Profile#/ Project#: ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same

Turnaround Time: Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	SW-1 ✓	Grab	1 Liter Plastic Unpreserved	SW	1	1/8/26	845	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
↓	↓	Grab	1 Liter Plastic Unpreserved	SW	1	↓	↓	MDE Table II Landfill Metals Dissolved **FILTER IN LAB**
		Grab	250 ml Plastic H2SO4	SW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	SW	1			Hardness
		Grab	250 ml Plastic Unpreserved	SW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	SW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	SW	3			EDB and DBCP - 8011
2	SW-2 ✓	Grab	Same as number 1	SW	11 CB 1/8/26	1/8/26	915	Same as number 1

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/8/26	Time 1430
Transferred by: MES Fridge	Received by: CF CSR ALS 1-8-26	Date	Time 14 30
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

RLDS

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:

Laboratory: Enthalphy Ultratrace

Sampler: Megan Smith, Collin Blake

Client Name: Maryland Environmental Service, Attn: John Agnoli

Facility Name: Northern Landfill (SW)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358

Project# / Purpose: 2531-1401 (surface water monitoring)

Invoice To: Same

WGH 10/2023

Turnaround Time: routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	SW-1	grab	125 mL Plastic Unpreserved	~~SWGW~~	2	1/8/26	845	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	~~SWGW~~	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	SW-2	grab	Same as number 1	~~SWGW~~	3	1/8/26	915	Same as number 1

Transferred by: Megan Smith	Received by: MES Fridge	Date 1/8/26	Time 1930
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

NORTHERN LANDFILL SURFACEWATER MONITORING FIELD NOTES

Samplers: Megan Smith, Collin Blanc **Date:** 1/8/26

Weather: Sunny **Temp:** 40°F **Arrival Time:** _____ **End Time:** _____

Location: **SW-1**

Field Sample I.D.: ~~SW-1~~ SW-1 **Sample Time:** 845 **Number of bottles Collected:** 13

Time	Temp (°C)	pH (pH Units)	ORP (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)
845	7.10	8.25	115	0.416	18.2	12.57	0.271

Stream Condition: clear / mostly clear **Stream gauge reading(in/ft) (if any):** _____

***Additional Comments:** low flow

*Note: Comments to include description of water color, odor, and obstruction of sample location, etc.

Location: **SW-2**

Field Sample I.D.: ~~SW-2~~ SW-2 **Sample Time:** 915 **Number of bottles Collected:** 13

Time	Temp (°C)	pH (pH Units)	ORP (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)
1025	2.89	7.54	202	.399	14.4	15.29	.260

Stream Condition: Good flow, clear **Stream gauge reading(in/ft) (if any):** _____

***Additional Comments:** _____

*Note: Comments to include description of water color, odor, and obstruction of sample location, etc.

Project Comments

Note: comments include description of water color, obstructions in accessing sample location, etc.

Comments:_____

_____

_____

_____

_____

HORIBA CALIBRATION LOG

DATE	TIME	pH	D.O.	SPC	ORP	TEMP	TURBIDITY

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:

Laboratory: ALS

Sampler: Megan Smith, Collin Blank

Client Name: Maryland Environmental Service, Attn: Wil Herpel

Facility Name: Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368

Profile#/ Project#: ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same

Turnaround Time: Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	**MW-B**	Grab	40ml Glass VOA Vial, HCL	GW	3	3/2/26	1020	MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	3	↓	↓	EDB and DBCP - 8011
3	Trip Blank	Grab	40 ml Glass VOA Vial, HCl	DI	2	3/2/26	X	MDE Table I VOC's - 8260 (25 ml purge)
4	Trip Blank	Grab	40 ml Glass VOA Vial, UNP	DI	2	↓	X	~~EDB and DBCP - 8011~~

Transferred by: Collin Blank	Received by: MES Fridge	Date: 3/2/26	Time: 1300
Transferred by: MES Fridge	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

~~Cooler Receipt Information~~ **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

Maryland Environmental Service
Well Purging and Sampling Record

SITE: **NORTHERN LANDFILL**

Well Tag: CL-16-0282

Well ID: MW-B (Resample)

Date: 3/2/26 Samplers: CB

Temperature: 28°F Time arrive at well:

Weather Condition: cloudy Time leave well:

WELL OBSERVATION

Casing and Lid: (okay) damaged, Missing Lock ( ) YES (X) NO COMMENTS:

Well Diameter: 2" 3" (4")

HORIBA CALIBRATION LOG

CALIBRATED BY: MS

DATE	TIME	TEMP	pH	ORP	SPC	TURBIDITY	DO
3/2/26	7:16	20.13	4.00	377	4.49	0.0	9.40

LOW FLOW SAMPLE INFORMATION & RESULTS

* A. **Depth to Well Bottom:** _____ ft

B. Depth to Water: 33.81 ft

C. Pump set at: 42

D. Flow Rate (L/Min) _____

Well Screen Interval 32-52.5 ft

Previous Depth of Well Bottom: 52.5 ft

Carbon dioxide (CO_2) Reading _____ PPM

	Time	Temp (°C)	pH (std. unit)	ORP Mv	SPC (µS) / cm	Turbidity NTU	DO (mg/L)	TDS (g/L)	Depth to Water from TOC (ft)
Initial Reading	947	12.69	5.64	259	.275	31.9	4.34	.177	35.20
2	950	15.70	5.70	253	.274	19.2	3.14	.164	35.16
3	953	11.23	5.67	250	.277	21.7	3.68	.180	35.16
4	956	13.97	5.63	255	.279	16.2	3.45	.181	35.18
5	959	13.70	5.67	257	.278	14.5	3.31	.180	35.20
6	1002	13.78	5.63	268	.147	16.0	4.39	.182	35.42
7	1005	14.39	5.73	258	.279	11.4	3.77	.181	36.16
8	1008	14.39	5.72	260	.279	9.8	3.90	.181	36.62
9	1011	14.38	5.72	262	.279	6.5	4.17	.181	37.41
10	1014	14.33	5.74	262	.279	5.4	4.20	.182	37.87
11	1017	14.32	5.74	262	.279	4.9	4.23	.182	38.20
12									
13									

Monitor Parameters no less than 15 minutes and/or parameters which stabilized within 10% for three consecutive readings:

Comments: put pump at 47'

SAMPLE COLLECTION

Sample Collection Time: 1020

Duplicate Collection Time:

Rinsate Blank Sample Collection Time:

Sample Method: low flow

Sample Description and Comments:

Appendix B

Analytical Results

Northern Landfill Semi-Annual Monitoring Event Table I

Name: Northern Landfill

Sampling Event	1/5/2026									
Number of Sampling Locations:	8									
Parameter Name	**Units**	**MCL**	**M-14**	**M-15**	**M-3**	**M-4**	**M-6**	**M-7**	**R-Blank**	**Trip Blank**
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	3.3 J	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Event	1/5/2026									
Number of Sampling Locations:	8									
Parameter Name	**Units**	**MCL**	**M-14**	**M-15**	**M-3**	**M-4**	**M-6**	**M-7**	**R-Blank**	**Trip Blank**
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	1.71	1.19	2.88	ND U	4.14	ND U	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	ND U	ND U	ND U	ND U	1.03	ND U	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	ND U	ND U	ND U	ND U	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	ND U	0.84 U	0.859 U	ND U	ND U	ND U	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U	ND U	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	1.27	ND U	2.83	ND U	1.71	ND U	ND U	ND U

Northern Landfill Semi-Annual Monitoring Event Table II

Name: Northern Landfill

Sampling Event	1/5/2026								
Number of Sampling Locations:	7								
Parameter Name	**Units**	**MCL**	**M-14**	**M-15**	**M-3**	**M-4**	**M-6**	**M-7**	**R-Blank**
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0069	0.0051 J	0.032	0.0095	ND	0.0098	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	15.6	18.9	17.3	3.1	38.7	9.7	0.06 J
Chromium, total	mg/l	0.1	ND	ND	0.0014 J	ND	0.0011 J	0.00075 J	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	0.0036 J
Iron, total	mg/l	--	ND	ND	0.039 J	0.019 J	0.057	ND	0.21
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	6.3	6.6	6	1.8	17.9	4.2	ND
Manganese, total	mg/l	--	ND	ND	0.028	0.0037 J	0.0054 J	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.004 J	ND	ND	ND	ND
Potassium, total	mg/l	--	2.7	4.3	1.1	0.77	3.4	0.66	ND
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	6.2	5.6	9.2	2.7	9.1	2.7	0.17
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.002 J	0.0022 J	0.0061	0.0064	0.0023 J	ND	0.0024 J
Alkalinity, Total	mg/L	--	51	70	27	9	62	34	ND
Ammonia-N, Low Level	mg/L	--	0.02 J	0.01 J	ND	0.02 J	ND	ND	0.01 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	16	ND	ND
Chloride	mg/l	--	23.9	15.5	30.6	4.4	69.8	8.9	ND
Hardness	mg/l	--	57	63.5	58.3	13.5	151	35.9	0.25 J
Nitrate/Nitrite-N	mg/L	10	0.47	1.6	5.5	2.4	6.1	0.068 J	ND
pH	pH_Units	--	7.69	7.74	6.92	6.69	7.65	7.24	5.8
Specific Conductance	umhos/cm	--	181	197	215	51	441	102	ND
Sulfate	mg/l	--	0.74	1.2	6	0.29 J	20	1.5	ND
Total Dissolved Solids	mg/L	--	98	100	143	35	264	51	ND

Sampling Event	1/5/2026								
Number of Sampling Locations:	7								
Parameter Name	**Units**	**MCL**	**M-14**	**M-15**	**M-3**	**M-4**	**M-6**	**M-7**	**R-Blank**
Turbidity	NTU	--	1.8	3.2	2	5.2	3.7	2.6	2.9

Northern Landfill Semi-Annual Monitoring Event Table I

Name: Northern Landfill

Sampling Event	1/6/2026									
Number of Sampling Locations:	8									
Parameter Name	**Units**	**MCL**	**M-12**	**M-17DR**	**M-17S**	**M-19**	**M-22**	**M-23**	**R-Blank**	**Trip Blank**
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	4.1 J	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	1.7 J	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Event	1/6/2026									
Number of Sampling Locations:	8									
Parameter Name	**Units**	**MCL**	**M-12**	**M-17DR**	**M-17S**	**M-19**	**M-22**	**M-23**	**R-Blank**	**Trip Blank**
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	4.54	ND U	ND U	9.19	5.95	2.26	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	2.59	ND U	ND U	10.3	6.2	1.55	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	ND U	ND U	ND U	1.47	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	1.11	ND U	ND U	1.77	4.8	0.644 U	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U	ND U	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	1.88	3.06	4.28	3.87	1.68	2.5	ND U	ND U

Northern Landfill Semi-Annual Monitoring Event Table II

Name: Northern Landfill

Sampling Event	1/6/2026								
Number of Sampling Locations:	7								
Parameter Name	**Units**	**MCL**	**M-12**	**M-17DR**	**M-17S**	**M-19**	**M-22**	**M-23**	**R-Blank**
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	0.0023 J	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.032	0.18	0.16	0.0079	0.051	0.0057	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.0008 J	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	55.9	101	113	19.9	16.9	14	0.095 J
Chromium, total	mg/l	0.1	0.0012 J	ND	0.0016 J	0.072	0.0013 J	0.0018 J	0.0013 J
Cobalt, total	mg/l	–	ND	ND	ND	ND	0.021	ND	ND
Copper, total	mg/l	1.3	0.0026 J	ND	0.0025 J	ND	ND	ND	ND
Iron, total	mg/l	–	0.061	0.79	0.066	0.23	0.027 J	0.12	0.025 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	26.5	39.8	43	16.7	13.5	13.8	ND
Manganese, total	mg/l	–	0.094	0.16	0.077	0.0038 J	1.7	0.025	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	0.00031 J	ND	ND
Nickel, total	mg/l	–	0.0044 J	0.0028 J	0.0041 J	0.012	0.018	0.011	ND
Potassium, total	mg/l	–	16.2	2.3	1.9	1.8	1.7	1.4	0.067 J
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	126	293	419	123	44.3	49.9	0.3
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.0066	0.0028 J	0.0058	0.0037 J	0.025	0.0086	0.0036 J
Alkalinity, Total	mg/L	–	184	243	332	44	55	39	ND
Ammonia-N, Low Level	mg/L	–	ND	0.07 J	ND	ND	0.01 J	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	5 J	ND	ND	11 J
Chloride	mg/l	–	248	618	670	256	88.9	99.9	0.25 J
Hardness	mg/l	–	216	373	397	106	90.1	84.8	ND
Nitrate/Nitrite-N	mg/L	10	0.65	ND	3.4	1.6	3.1	6.2	0.03 J
pH	pH_Units	–	8.2	8.23	8.23	7.19	7.15	7.14	5.82
Specific Conductance	umhos/cm	–	1190	2320	2700	914	445	464	ND
Sulfate	mg/l	–	11.3	6.9	11.1	6	10.4	1.7	ND
Total Dissolved Solids	mg/L	–	650	1270	1470	508	254	268	ND

Sampling Event	1/6/2026								
Number of Sampling Locations:	7								
Parameter Name	**Units**	**MCL**	**M-12**	**M-17DR**	**M-17S**	**M-19**	**M-22**	**M-23**	**R-Blank**
Turbidity	NTU	–	1.1	9.8	4.5	4.2	1.5	6.2	3.1

Northern Landfill Semi-Annual Monitoring Event Table I

Name: Northern Landfill

Sampling Event	1/7/2026									
Number of Sampling Locations:	9									
Parameter Name	**Units**	**MCL**	**M-11D**	**M-11S**	**M-18**	**M-21**	**MW-A**	**MW-A DUP**	**MW-B**	**R-Blank**	**Trip Blank**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	6	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	4.4 J	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	11.3	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	0.56 J	0.45 J	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	4.3	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sampling Event	1/7/2026										
Number of Sampling Locations:	9										
Parameter Name	**Units**	**MCL**	**M-11D**	**M-11S**	**M-18**	**M-21**	**MW-A**	**MW-A DUP**	**MW-B**	**R-Blank**	**Trip Blank**
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	0.99 J	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	1 J	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	10.4	12.3	4.02	4.85	111	88.7	13.9	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	21.8	5.77	1.58	4.98	9.58	8.15	8.96	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	1.03	0.868	ND U	1.1	3.84	3.14	1.45	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	6.44	9.27	1.1	3.69	5.35	5.34	2.72	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U	ND U	ND U	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	1.73	1.83	3.38	1.56	9.34	8.6	2.66	ND U	ND U

Northern Landfill Semi-Annual Monitoring Event Table II

Name: Northern Landfill

Sampling Event	1/7/2026									
Number of Sampling Locations:	8									
Parameter Name	**Units**	**MCL**	**M-11D**	**M-11S**	**M-18**	**M-21**	**MW-A**	**MW-A DUP**	**MW-B**	**R-Blank**
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	0.0056	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.037	0.042	0.032	0.034	0.038	0.039	0.01	0.0022 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	27.3	18.2	46	34.1	21.6	22	28.2	0.3
Chromium, total	mg/l	0.1	0.00099 J	0.00077 J	ND	0.00092 J	0.0016 J	0.0015 J	0.0024	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	0.0028 J	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	0.015	ND
Iron, total	mg/l	--	ND	ND	ND	0.024 J	0.22	0.28	3.1	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	0.001 J	ND
Magnesium, total	mg/l	--	19.4	12	20.1	15.9	14.5	14.4	17.6	ND
Manganese, total	mg/l	--	0.0084	0.037	ND	0.02	0.018	0.019	0.39	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0024 J	0.002 J	0.002 J	0.0019 J	0.0023 J	ND	0.0051 J	ND
Potassium, total	mg/l	--	1.8	2.5	17.4	1.6	2.2	2.2	1.3	0.054 J
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	35.5	21.3	14.6	43.5	12.2	12.5	17.2	0.12
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	0.0013 J	ND
Zinc, total	mg/l	--	0.0063	0.0041 J	ND	0.0079	0.011	0.012	0.016	0.0044 J
Alkalinity, Total	mg/L	--	74	54	183	111	77	76	98	ND
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	0.02 J	0.04 J	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	98.2	60.9	31.3	88.6	33.3	33.1	34.1	ND
Hardness	mg/l	--	136	86.8	175	136	104	104	129	0.76
Nitrate/Nitrite-N	mg/L	10	3.3	2.2	2.2	1.2	3.5	3.5	2.2	ND
pH	pH_Units	--	7.52	7.35	8.3	7.66	7.45	7.43	7.6	5.9
Specific Conductance	umhos/cm	--	507	322	473	539	305	306	367	ND
Sulfate	mg/l	--	10.1	3.5	12	15.8	15.3	15.1	27.6	ND
Total Dissolved Solids	mg/L	--	376	211	256	378	196	216	256	ND
Turbidity	NTU	--	1.5	1.3	2.2	2.2	16	33	60	1.5

Northern Landfill Semi-Annual Monitoring Event Table I

Name: Northern Landfill

Sampling Event	1/8/2026							
Number of Sampling Locations:	6							
Parameter Name	**Units**	**MCL**	**M-24D**	**M-24D DUP**	**M-8**	**M-9S**	**R-Blank**	**Trip Blank**
Acetone	ug/L	–	ND	ND	ND	ND	7.4	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	2	2.1	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	0.61 J	0.66 J	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	3.1	3.2	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND

Sampling Event	1/8/2026							
Number of Sampling Locations:	6							
Parameter Name	**Units**	**MCL**	**M-24D**	**M-24D DUP**	**M-8**	**M-9S**	**R-Blank**	**Trip Blank**
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	0.36 J	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	23.1	23.6	17.3	16.6	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	4.21	4.29	1.66	5.16	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	1.04	0.972	ND U	1.56	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	6.54	7.21	3.58	2.74	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	3.92	4.27	5.07	11	ND U	ND U

Northern Landfill Semi-Annual Monitoring Event Table II

Name: Northern Landfill

Sampling Event	1/8/2026						
Number of Sampling Locations:	5						
Parameter Name	**Units**	**MCL**	**M-24D**	**M-24D DUP**	**M-8**	**M-9S**	**R-Blank**
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.027	0.027	ND	0.041	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	14.4	14.6	7.8	24.3	0.16
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0031 J	0.0031 J	ND	ND	ND
Iron, total	mg/l	–	ND	0.021 J	0.033 J	ND	0.02 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	9.8	9.7	7.8	13.3	ND
Manganese, total	mg/l	–	0.15	0.15	0.0041 J	0.042	ND
Mercury, Total	mg/L	0.002	0.0026	0.0027	ND	ND	ND
Nickel, total	mg/l	–	0.01	0.011	ND	ND	ND
Potassium, total	mg/l	–	1.4	1.4	0.43	1.8	0.12
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	11.1	11.1	6.4	23.2	0.16
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.029	0.029	0.0035 J	ND	0.003 J
Alkalinity, Total	mg/L	–	21	21	29	79	ND
Ammonia-N, Low Level	mg/L	–	0.1	0.02 J	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	6 J	5 J
Chloride	mg/l	–	58.7	59.3	24.1	55.6	ND

Sampling Event	1/8/2026						
Number of Sampling Locations:	5						
Parameter Name	**Units**	**MCL**	**M-24D**	**M-24D DUP**	**M-8**	**M-9S**	**R-Blank**
Hardness	mg/l	–	69.2	69.3	47.9	103	0.39 J
Nitrate/Nitrite-N	mg/L	10	1.9	1.9	1.4	0.17	0.044 J
pH	pH_Units	–	7.21	7.05	7.41	7.94	5.79
Specific Conductance	umhos/cm	–	244	245	145	362	ND
Sulfate	mg/l	–	0.47 J	0.46 J	3.7	20.7	ND
Total Dissolved Solids	mg/L	–	207	199	115	182	42
Turbidity	NTU	–	2.1	0.45	1.4	0.7	1.2

Semi-Annual Monitoring Event Table I

Name: Northern Surface Water

Sample Date:	1/8/2026			
Number of Sampling Locations:	2			
Parameter Name	**Units**	**NCTS**	**SW-1**	**SW-2**
Acetone	ug/L	–	ND	ND
Acrylonitrile	ug/L	0.51	ND	ND
Benzene	ug/L	22	ND	ND
Bromochloromethane	ug/L	–	ND	ND
Bromomethane	ug/L	–	ND	ND
2-Butanone	ug/L	–	ND	ND
Carbon Disulfide	ug/L	–	ND	ND
Carbon Tetrachloride	ug/L	2.3	ND	ND
Chlorobenzene	ug/L	130	ND	ND
Chloroethane	ug/L	–	ND	ND
Chloromethane	ug/L	–	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	–	ND	ND
1,2-Dibromoethane	ug/L	–	ND	ND
Dibromomethane	ug/L	–	ND	ND
1,2-Dichlorobenzene	ug/L	420	ND	ND
1,4-Dichlorobenzene	ug/L	63	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND
1,2-Dichloroethane	ug/L	3.8	ND	ND
1,1-Dichloroethene	ug/L	330	ND	ND
cis-1,2-Dichloroethene	ug/L	–	ND	ND
trans-1,2-Dichloroethene	ug/L	140	ND	ND
Methylene Chloride	ug/L	46	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND
Ethylbenzene	ug/L	530	ND	ND
2-Hexanone	ug/L	–	ND	ND
Iodomethane (Methyl Iodide)	ug/L	–	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND
Styrene	ug/L	–	ND	ND

Sample Date:	1/8/2026			
Number of Sampling Locations:	2			
Parameter Name	**Units**	**NCTS**	**SW-1**	**SW-2**
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	1.7	ND	ND
Tetrachloroethene	ug/L	6.9	ND	ND
Toluene	ug/L	1300	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND
1,1,2-Trichloroethane	ug/L	5.9	ND	ND
Trichloroethene	ug/L	25	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND
Vinyl Acetate	ug/L	–	ND	ND
Vinyl Chloride	ug/L	0.25	ND	ND
o-Xylene	ug/L	–	ND	ND
m+p Xylenes	ug/L	–	ND	ND
Total Xylenes	ug/L	–	ND	ND
Bromodichloromethane	ug/L	80	ND	ND
Dibromochloromethane	ug/L	80	ND	ND
Bromoform	ug/L	80	ND	ND
Chloroform	ug/L	80	ND	ND
Perfluorooctanoic acid (PFOA)	ng/L	4	2.84	5.04
Perfluorooctanesulfonic acid (PFOS)	ng/L	4	13	9.91
Perfluorononanoic acid (PFNA)	ng/L	10	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/L	10	11.1	9.26
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	10	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/L	–	3.57	4.14

Semi-Annual Monitoring Event Table II

Name: Northern Surface Water

Sample Date:	1/8/2026			
Number of Sampling Locations:	2			
Parameter Name	**Units**	**NCTS**	**SW-1**	**SW-2**
Antimony, Dissolved	mg/L	0.0056	ND	ND
Arsenic, Dissolved	mg/L	0.00018	ND	ND
Barium, Dissolved	mg/L	1	0.028	0.023
Beryllium, Dissolved	mg/L	0.004	ND	ND
Cadmium, Dissolved	mg/L	0.00025	ND	ND
Calcium, Dissolved	mg/L	–	14.8	15.3
Chromium, Dissolved	mg/L	0.1	0.00076 J	0.001 J
Cobalt, Dissolved	mg/L	–	ND	ND
Copper, Dissolved	mg/L	0.009	ND	ND
Iron, Dissolved	mg/L	–	ND	ND
Lead, Dissolved	mg/L	0.0025	ND	ND
Magnesium, Dissolved	mg/L	–	8.3	8.3
Manganese, Dissolved	mg/L	–	0.003 J	0.0021 J
Mercury, Dissolved	mg/L	0.00077	ND	ND
Nickel, Dissolved	mg/L	0.052	ND	ND
Potassium, Dissolved	mg/L	–	1.7	1.7
Selenium, Dissolved	mg/L	0.005	ND	ND
Silver, Dissolved	mg/L	0.0032	ND	ND
Sodium, Dissolved	mg/L	–	44.1	37.9
Thallium, Dissolved	mg/L	0.00024	ND	ND
Vanadium, Dissolved	mg/L	–	ND	ND
Zinc, Dissolved	mg/L	0.12	0.0024 J	0.0085
Alkalinity, Total	mg/L	–	25	31
Ammonia-N, Low Level	mg/L	–	ND	0.03 J
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND
Chloride	mg/L	–	104	89.7
Hardness	mg/L	–	70.6	70.3
Nitrate/Nitrite-N	mg/L	–	5.6	4.6
pH	pH_Units	–	7.44	7.64
Specific Conductance	umhos/cm	–	430	392
Sulfate	mg/L	–	6.6	7
Total Dissolved Solids	mg/L	–	278	250

Sample Date:	1/8/2026			
Number of Sampling Locations:	2			
Parameter Name	**Units**	**NCTS**	**SW-1**	**SW-2**
Turbidity	NTU	–	2	2.2

Northern Landfill Semi-Annual Monitoring Event Table I

Name: Northern Landfill

Sampling Event	3/2/2026			
Number of Sampling Locations:	2			
Parameter Name	**Units**	**MCL**	**MW-B**	**Trip Blank**
Acetone	ug/L	–	ND	ND
Acrylonitrile	ug/L	–	ND	ND
Benzene	ug/L	5	ND	ND
Bromochloromethane	ug/L	–	ND	ND
Bromomethane	ug/L	–	ND	ND
2-Butanone	ug/L	–	ND	ND
Carbon Disulfide	ug/L	–	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND
Chlorobenzene	ug/L	100	ND	ND
Chloroethane	ug/L	–	ND	ND
Chloromethane	ug/L	–	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND
Dibromomethane	ug/L	–	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND
Methylene Chloride	ug/L	5	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND
Ethylbenzene	ug/L	700	ND	ND
2-Hexanone	ug/L	–	ND	ND
Iodomethane	ug/l	–	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND
Styrene	ug/L	100	ND	ND

Sampling Event	3/2/2026			
Number of Sampling Locations:	2			
Parameter Name	**Units**	**MCL**	**MW-B**	**Trip Blank**
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND
Tetrachloroethene	ug/L	5	ND	ND
Toluene	ug/L	1000	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND
Trichloroethene	ug/L	5	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND
Vinyl Acetate	ug/L	–	ND	ND
Vinyl Chloride	ug/L	2	ND	ND
o-Xylene	ug/L	10000	ND	ND
m+p Xylenes	ug/L	10000	ND	ND
Total Xylenes	ug/L	10000	ND	ND
Bromodichloromethane	ug/L	80	ND	ND
Dibromochloromethane	ug/L	80	ND	ND
Bromoform	ug/L	80	ND	ND
Chloroform	ug/L	80	ND	ND

Historical Well Data Table I

Name: Northern Landfill

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/25/1998	12/10/1998
Acetone	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	--	--	--	ND µg/L	ND µg/L	5.5 µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/25/1998	12/10/1998
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/27/1999	11/16/1999	5/24/2000	12/14/2000	6/6/2001	11/14/2001	6/11/2002	11/8/2002
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/27/1999	11/16/1999	5/24/2000	12/14/2000	6/6/2001	11/14/2001	6/11/2002	11/8/2002
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	0.7 µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	6/18/2003	12/2/2003	6/23/2004	10/22/2004	7/21/2005	11/3/2005	3/16/2006	9/13/2006
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND

Location ID:	M-3									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**6/18/2003**	**12/2/2003**	**6/23/2004**	**10/22/2004**	**7/21/2005**	**11/3/2005**	**3/16/2006**	**9/13/2006**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-3									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/20/2007**	**8/15/2007**	**2/7/2008**	**8/5/2008**	**2/18/2009**	**8/19/2009**	**1/22/2010**	**9/9/2010**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	--	--	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	--	--	ND	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/20/2007	8/15/2007	2/7/2008	8/5/2008	2/18/2009	8/19/2009	1/22/2010	9/9/2010
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	8/1/2011	2/22/2012	8/20/2012	1/10/2013	8/29/2013	2/4/2014	8/5/2014
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-3									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**1/6/2011**	**8/1/2011**	**2/22/2012**	**8/20/2012**	**1/10/2013**	**8/29/2013**	**2/4/2014**	**8/5/2014**
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-3									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/12/2015**	**8/19/2015**	**2/18/2016**	**8/2/2016**	**1/11/2017**	**7/20/2017**	**1/24/2018**	**7/11/2018**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	3.2 J
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND U	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/19/2015	2/18/2016	8/2/2016	1/11/2017	7/20/2017	1/24/2018	7/11/2018
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND U	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND U	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/15/2021	7/28/2021	3/2/2022	9/21/2022
Acetone	ug/L	--	ND	ND	4.8 J	3.3 J	3.3 J	4 J	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/15/2021	7/28/2021	3/2/2022	9/21/2022
Bromomethane	ug/L	--	0.66 J	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	0.38 J	ND	ND	ND	0.34 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	0.58 J	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	0.68 J
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-3									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/15/2019**	**8/15/2019**	**3/18/2020**	**8/26/2020**	**3/15/2021**	**7/28/2021**	**3/2/2022**	**9/21/2022**
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-3								
Number of Sampling Dates:	63								
Parameter Name	**Units**	**MCL**	**3/8/2023**	**7/18/2023**	**1/22/2024**	**8/28/2024**	**2/4/2025**	**7/21/2025**	**1/5/2026**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	0.39 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/8/2023	7/18/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	ND U	ND U	2.31	2.88
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	ND U	ND U	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	ND U	ND U	ND U	0.859 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	ND U	ND U	2.09	2.83

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/25/1998	12/10/1998
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.117	0.119	0.116	0.13	0.13	0.098	0.118	0.099
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	--	ND	ND	0.001	ND	ND	ND
Calcium, total	mg/l	--	10.7	10.9	11.3	12	9.8	9.6	11	9.01
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	0.006	ND
Copper, total	mg/l	1.3	0.006	0.005	0.005	ND	0.012	ND	ND	0.004
Iron, total	mg/l	--	ND	1.34	0.086	3.2	0.08	ND	ND	0.149
Lead, total	mg/l	0.015	0.003	0.004	0.004	ND	ND	ND	ND	0.003
Magnesium, total	mg/l	--	5369	5.83	6.03	5.3	4.6	4.49	4.6	4.97
Manganese, total	mg/l	--	0.131	0.135	0.15	0.17	0.22	0.122	0.196	0.131
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.024	0.022	0.028	ND	0.023	0.03	0.018	0.019
Potassium, total	mg/l	--	2.27	1.2	1.29	1.5	2.2	1.34	1.39	1.55
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.19	2.14	2.12	3.1	2	2.5	2.07	2.51
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.041	0.048	0.054	0.085	0.12	0.038	0.045	0.041
Alkalinity, Total	mg/L	--	6	2	ND	4	4	13	ND	10
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	23	ND	ND	ND	ND
Chloride	mg/l	--	11.9	12.1	13.1	16	19	21.4	14.3	11
Hardness	mg/l	--	45	48	53	50	51	41	46	45
Nitrate/Nitrite-N	mg/L	10	10.4	9.62	9.85	8.4	7.5	10.4	7.56	9.04
pH	pH_Units	--	5.02 units	4.97 units	5.14 units	4.86 units	5.19 units	4.95 units	4.93 units	4.87 units
Specific Conductance	umhos/cm	--	120	115	50	ND	139.3	125.2	115	97.3
Sulfate	mg/l	--	ND	ND	9.96	ND	ND	9.64	ND	ND
Total Dissolved Solids	mg/L	--	94	110	93	84	110	89	100	98
Turbidity	NTU	--	8.5	15	5.2	30	1.4	8.9	5	10

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/27/1999	11/16/1999	5/24/2000	12/14/2000	6/6/2001	11/14/2001	6/11/2002	11/8/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.071	0.037	0.086	0.061	0.081	0.044	0.026	0.024
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	0.005	ND	ND	ND
Calcium, total	mg/l	--	11.7	12.2	8.47	11.4	8.62	12.6	13	11.9
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.008	0.05	0.005	0.005	ND	0.015	ND
Iron, total	mg/l	--	ND	0.354	0.142	0.799	ND	ND	0.528	0.181
Lead, total	mg/l	0.015	ND	0.003	0.006	0.002	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.05	4.85	4.95	5.12	4.67	4.73	4.99	4.85
Manganese, total	mg/l	--	0.108	0.038	0.107	0.058	0.096	0.044	0.148	0.03
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.018	ND	0.018	0.011	0.016	ND	ND	ND
Potassium, total	mg/l	--	1.02	1.73	3.34	1.62	3.54	1.69	0.975	1.16
Selenium, total	mg/l	0.05	ND	ND	ND	ND	0.003	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.88	3.03	2.86	2.46	2.82	2.53	3.1	3.5
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.037	0.041	0.112	0.049	0.051	0.02	0.026	0.014
Alkalinity, Total	mg/L	--	6	4	10	9	10	10	16	14
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/27/1999	11/16/1999	5/24/2000	12/14/2000	6/6/2001	11/14/2001	6/11/2002	11/8/2002
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	16.7	16	13.7	16.5	9.56	17.6	15.3	13.7
Hardness	mg/l	--	51	51.3	43	51.9	41.8	51	48.4	49.5
Nitrate/Nitrite-N	mg/L	10	8.07	6.59	8	6.33	6.08	5.92	6.9	6.27
pH	pH_Units	--	5.17 units	5.61 units	5.3 units	5.59 units	5.2 units	5.49 units	6.05 units	4.9 units
Specific Conductance	umhos/cm	--	142.7	101.8	103.5	106.7	127.6	140	149.4	140.9
Sulfate	mg/l	--	8.95	ND	1.25	ND	ND	2.45	ND	ND
Total Dissolved Solids	mg/L	--	80	104	78	118	95	78	76	87
Turbidity	NTU	--	23	30	2.1	14.2	2	4.3	27	3.9

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	6/18/2003	12/2/2003	6/23/2004	10/22/2004	7/21/2005	11/3/2005	3/16/2006	9/13/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.111	0.132	0.123	0.103	0.085	0.087	0.08	0.083
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	8.8	9.45	10.8	10.4	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.012	0.006	0.011	ND	0.005	ND	0.003	ND
Iron, total	mg/l	--	0.255	ND	0.035	0.183	ND	0.09	0.059	0.202
Lead, total	mg/l	0.015	0.002	0.003	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	4.45	4.34	5.07	4.7	2.42	4.1	3.91	4.21
Manganese, total	mg/l	--	0.186	0.241	0.243	0.156	0.106	0.104	0.084	0.109
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.021	0.018	0.019	0.015	ND	0.012	0.011	--
Potassium, total	mg/l	--	1.6	1.81	2.69	2.18	0.719	1.21	1.56	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.4	2	2.35	2.5	2.27	2.35	2.38	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	0.045	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.039	ND	0.04	0.037	0.035	0.033	0.031	0.025
Alkalinity, Total	mg/L	--	6.3	6.8	7.1	4	7.1 mg/L as CaCO3	5.6 mg/L as CaCO3	7.6 mg/L as CaCO3	8 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	0.56 mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	30	ND	ND	ND	ND	ND
Chloride	mg/l	--	14.9	13.8	13.4	12	11.9	11.7	11.5	11.8
Hardness	mg/l	--	41.3	41.5	49.6	45	38.5	40.7	36.3	40.7
Nitrate/Nitrite-N	mg/L	10	5.45	6.26	6.79	7.88	6.68 mg/L as N	6.85 mg/L as N	--	--
pH	pH_Units	--	5.08 units	6.1 units	5.29 units	6.27 units	--	--	--	--
Specific Conductance	umhos/cm	--	115.1	109.8	139.7	145.1	--	--	--	--
Sulfate	mg/l	--	0.762	ND	0.88	ND	1.45	1.2	0.98	1
Total Dissolved Solids	mg/L	--	78	97	84	63	102	80	96	85
Turbidity	NTU	--	1.3	4	6.2	2.1	4	1.7	3.1	13

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/20/2007	8/15/2007	2/7/2008	8/5/2008	2/18/2009	8/19/2009	1/22/2010	9/9/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	0.002	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.06	0.062	0.066	0.055	0.026	0.031	0.051	0.073
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	9.87	ND	0.003	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	9.04	12.4	11.9	10.1	9.45
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.004	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.008	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	1.4	0.46	ND	ND	0.063	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	4.1	3.82	--	4.08	3.97	3.86	4.11	4.19
Manganese, total	mg/l	--	0.133	0.095	0.068	0.064	0.02	0.032	0.064	0.088
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/20/2007	8/15/2007	2/7/2008	8/5/2008	2/18/2009	8/19/2009	1/22/2010	9/9/2010
Nickel, total	mg/l	--	--	--	0.009	0.007	0.005	0.009	0.008	0.011
Potassium, total	mg/l	--	--	--	--	1.03	0.796	0.803	0.968	0.997
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	--	--	--	2.56	2.25	2.14	2.51	5.14
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.022	0.048	0.023	0.018	0.036	0.013	0.018	0.019
Alkalinity, Total	mg/L	--	11 mg/L as CaCO3	7.8 mg/L as CaCO3	6.5 mg/L as CaCO3	9.7 mg/L as CaCO3	20 mg/L as CaCO3	18.8 mg/L as CaCO3	13 mg/L as CaCO3	8.8 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	12.6	17.3	13.4	13.7	14.5	14.4	16	19.6
Hardness	mg/l	--	41.5	36.6	38.3 mg/L as CaCO3	39.4 mg/L as CaCO3	47.3 mg/L as CaCO3	45.6 mg/L as CaCO3	42.1 mg/L as CaCO3	40.9 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	--	--	ND	4.78	2.77	4.07	4.15	6.08
pH	pH_Units	--	--	--	--	--	--	--	--	5.32 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	--	--	188 umhos @ 25°C
Sulfate	mg/l	--	0.88	4.53	0.88	1.26	ND	2.87	2.14	1.39
Total Dissolved Solids	mg/L	--	79	114	82	79	84	89	75	113
Turbidity	NTU	--	47	7.5	--	--	--	--	--	0.43

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	8/1/2011	2/22/2012	8/20/2012	1/10/2013	8/29/2013	2/4/2014	8/5/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.062	0.057	0.056	0.0573	0.0297	0.0707	0.0505	0.0913
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	10.8	12.4	12.8	12.3	15.4	12.7	12.8	13.7
Chromium, total	mg/l	0.1	ND	ND	ND	0.0168	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	0.084	0.372	0.06	0.106	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	3.96	4.54	4.72	4.76	3.96	5.24	4.07	4.68
Manganese, total	mg/l	--	0.046	0.067	0.067	0.0767	0.0318	0.0666	0.0386	0.141
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.01	0.009	0.009	0.0166	0.005	0.0099	0.0064	0.0148
Potassium, total	mg/l	--	1.44	1.3	1.04	1.18	0.883	1.12	0.782	1.03
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.4	4.44	4.19	5.84	2.44	7.28	3.48	6.33
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.02	0.015	0.015	0.0265	0.0068	0.067	0.0192	0.0247
Alkalinity, Total	mg/L	--	11.4 mg/L as CaCO3	15 mg/L as CaCO3	15 mg/L as CaCO3	--	21.1	13.1	19.7	4.4
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	10	ND
Chloride	mg/l	--	15.6	18.8	17.7	22.7	15.3	26.7	19.4	26.2
Hardness	mg/l	--	43.3 mg/L as CaCO3	49.7 mg/L as CaCO3	51.4 mg/L as CaCO3	50.3	54.8	53.3	48.7	53.5
Nitrate/Nitrite-N	mg/L	10	4.57	4.54	3.97	4.43	2.47	4.84	3.12	4.9
pH	pH_Units	--	5.43 pH Units	5.97 pH Units	6.23 pH Units	5.68 units	5.77 units	6 units	5.74 units	5.03 units
Specific Conductance	umhos/cm	--	139 umhos @ 25°C	169 umhos @ 25°C	157 umhos @ 25°C	168.1 umhos	215.7 umhos	184.5 umhos	179.8 umhos	193.5 umhos
Sulfate	mg/l	--	3.05	2.81	4.92	3.37	8.19	3.22	5.75	2.64
Total Dissolved Solids	mg/L	--	76	98	74	77	82	134	96	122
Turbidity	NTU	--	0.17	0.61	1.9	1.15	0.774	0.687	0.594	0.588

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/19/2015	2/18/2016	8/2/2016	1/11/2017	7/20/2017	1/24/2018	7/11/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND U	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND U	ND
Barium, total	mg/l	2	0.0794	0.0702	0.06	0.0594	0.0335	0.036	0.033	0.065
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND U	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/19/2015	2/18/2016	8/2/2016	1/11/2017	7/20/2017	1/24/2018	7/11/2018
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND U	ND
Calcium, total	mg/l	--	13.9	14.6	18.5	20.2	19	25.3	18	23.5
Chromium, total	mg/l	0.1	ND	ND	ND	0.0015 J	ND	ND	0.00081 J	0.0076
Cobalt, total	mg/l	--	ND	ND	ND	0.00067 J	ND	ND	ND U	0.0023 J
Copper, total	mg/l	1.3	ND	ND	0.025	ND	ND	ND	0.0026 J	0.0025 J
Iron, total	mg/l	--	ND	ND	ND	0.0805 J	ND	ND	0.036 J	0.41
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND U	ND
Magnesium, total	mg/l	--	5.38	5.64	5.28	5.76	5.03	6.55	5.6	6.2
Manganese, total	mg/l	--	0.0729	0.065	0.0499	0.0648	0.0227	0.0233	0.016	0.048
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Nickel, total	mg/l	--	0.0093	0.0094	0.008	0.0098	0.0048	0.0041	0.0038 J	0.021
Potassium, total	mg/l	--	1.41	1.35	0.993	1.07	0.897	0.97	0.89	0.98
Selenium, total	mg/l	0.05	0.0027	ND	ND	0.00057 J	ND	ND	ND U	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Sodium, Total	mg/L	--	7.6	7.36	5.71	6.79	4.63	5.61	6.1	6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Zinc, total	mg/l	--	0.0268	0.0214	0.0113	0.0117 J	ND	ND	0.0064	0.0099
Alkalinity, Total	mg/L	--	14.1	12.1	15	15.6	22	25.6	30	30
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	0.035 J	0.155
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	10	9 J	ND	ND	7	ND
Chloride	mg/l	--	26.6	27.1	29.3	40.3	24	40.1	30.2	49.7
Hardness	mg/l	--	34.7	59.6	67.9	74.1	68	90.2	67.8	84.1
Nitrate/Nitrite-N	mg/L	10	5.08	4.83	2.67	3.9	4.27	3.2	4.9	2.6
pH	pH_Units	--	5.75 units	5.82 units	5.87 units	6.44 units	5.35 units	6.81 units	6.39	6.21
Specific Conductance	umhos/cm	--	158.6 umhos	188	219	225	200	234	180	263 mg/L
Sulfate	mg/l	--	2.7	3.18	6.6	5.11	6.97	6.56	6.2	10.7
Total Dissolved Solids	mg/L	--	79	96	95	134	119	170	121	166
Turbidity	NTU	--	0.715	0.451	0.274	0.806	0.409	1.46	0.99	1.8

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/15/2021	7/28/2021	3/2/2022	9/21/2022
Antimony, total	mg/l	0.006	ND	ND	ND	0.001 J	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.084	0.075	0.07	0.081	0.082	0.077	0.06	0.056
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	0.00082 J	ND	ND	ND	ND
Calcium, total	mg/l	--	15.8	13.8	13.2	8.5	12	10.3	14.8	14.8
Chromium, total	mg/l	0.1	0.0018 J	0.0012 J	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	0.0034 J	0.0021 J	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	0.0025 J	ND	ND	ND	ND
Iron, total	mg/l	--	0.098	ND	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	3.7	4.8	4.8	3.1	4.3	3.8	4.7	4.9
Manganese, total	mg/l	--	0.17	0.11	0.064	0.013	0.12	0.031	0.073	0.063
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.013	0.0091	0.0084	0.01	0.012	0.0077	0.0079	0.007
Potassium, total	mg/l	--	0.79	1.1	1.1	3.3	1.1	3.1	1.1	1
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	6.1	8.1	7	7.2	4.8	6.1	5.2	5.5
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.021	0.018	0.014	0.024	0.024	0.028	0.015	0.012
Alkalinity, Total	mg/L	--	14	10	6	9	7	12	17	19
Ammonia-N, Low Level	mg/L	--	0.033 J	ND	ND	0.03 J	ND	0.02 J	0.05 J	0.03 J
Chemical Oxygen Demand (COD)	mg/L	--	21	ND	ND	25	7 J	ND	ND	ND
Chloride	mg/l	--	33.8	30.7	22.6	27.1	23.3	22.4	22.3	18.7
Hardness	mg/l	--	54.5	54.2	52.8	34	47.8	41.3	56.2	56.9
Nitrate/Nitrite-N	mg/L	10	2.94	4.7	3.6	3.5	6.1	4.3	4.6	4.88
pH	pH_Units	--	5.9	6.05	17.58	6.27	6.24	6.16	6.86	7.44
Specific Conductance	umhos/cm	--	164	169	175	142	154	143	190	167
Sulfate	mg/l	--	9.3	4.6	5.8	5	4.9	3.9	8.8	8.4
Total Dissolved Solids	mg/L	--	150	134	84	110	142	110	137	109

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/15/2021	7/28/2021	3/2/2022	9/21/2022
Turbidity	NTU	--	0.35	0.5	0.12	0.4	ND	0.2	0.21	ND

Location ID: M-3
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/8/2023	7/18/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.03	0.035	0.031	0.064	0.034	0.029	0.032
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	18.4	17.1	16.3	14	18.7	17.2	17.3
Chromium, total	mg/l	0.1	0.00075 J	ND	ND	ND	ND	ND	0.0014 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND	0.039 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.1	4.8	5.4	4.5	5.5	5.4	6
Manganese, total	mg/l	--	0.035	0.026	0.024	0.045	0.024	0.015	0.028
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0035 J	0.0038 J	0.0035 J	0.0076	0.0034 J	0.0029 J	0.004 J
Potassium, total	mg/l	--	0.86	0.86	0.95	1.1	0.95	0.91	1.1
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.8	5.1	6.1	7.2	7.2	6.5	9.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0044 J	0.0052 J	0.0051 J	0.013	0.0047 J	0.0058	0.0061
Alkalinity, Total	mg/L	--	45	29	30	20	32	30	27
Ammonia-N, Low Level	mg/L	--	0.01 J	ND	0.04 J	0.1 J	0.03 J	4.42	ND
Chemical Oxygen Demand (COD)	mg/L	--	9 J	24	ND	6 J	ND	ND	ND
Chloride	mg/l	--	18	20	19.1	24.2	25.6	22	30.6
Hardness	mg/l	--	67.1	62.5	62.9	53.3	69.1	57.5	58.3
Nitrate/Nitrite-N	mg/L	10	4.3	3.9	4.9	3.9	5	3.7	5.5
pH	pH_Units	--	7.47	7.18	7.23	7.24	7.46	7.29	6.92
Specific Conductance	umhos/cm	--	182	180	179	166	194	196	215
Sulfate	mg/l	--	11.6	10.3	8.4	7.6	9.1	9	6
Total Dissolved Solids	mg/L	--	128	130	113	93	114	131	143
Turbidity	NTU	--	0.65	1.1	0.4	ND	ND	2.1	2

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-4									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**5/15/1996**	**11/5/1996**	**4/15/1997**	**10/31/1997**	**6/23/1998**	**12/11/1998**	**5/27/1999**	**11/16/1999**
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	17 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/15/1996	11/5/1996	4/15/1997	10/31/1997	6/23/1998	12/11/1998	5/27/1999	11/16/1999
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/23/2000	12/13/2000	6/8/2001	11/15/2001	6/14/2002	11/7/2002	6/18/2003	12/3/2003
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/23/2000	12/13/2000	6/8/2001	11/15/2001	6/14/2002	11/7/2002	6/18/2003	12/3/2003
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	6/24/2004	10/22/2004	7/21/2005	11/3/2005	3/16/2006	9/12/2006	2/21/2007	8/13/2007
Acetone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND

Location ID:	M-4									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**6/24/2004**	**10/22/2004**	**7/21/2005**	**11/3/2005**	**3/16/2006**	**9/12/2006**	**2/21/2007**	**8/13/2007**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/21/2010	9/8/2010	1/7/2011	7/27/2011
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	--	--	ND	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/21/2010	9/8/2010	1/7/2011	7/27/2011
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/21/2012	8/22/2012	1/11/2013	8/28/2013	2/7/2014	8/6/2014	2/12/2015	8/19/2015
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/21/2012	8/22/2012	1/11/2013	8/28/2013	2/7/2014	8/6/2014	2/12/2015	8/19/2015
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/19/2016	8/3/2016	1/10/2017	7/20/2017	1/25/2018	7/11/2018	2/15/2019	8/15/2019
Acetone	ug/L	--	ND U	ND	ND	ND	3.4 J	ND	3.8 J	5
Acrylonitrile	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Benzene	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
Bromochloromethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Bromomethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	0.53 J	ND
2-Butanone	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Carbon Disulfide	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
Chlorobenzene	ug/L	100	ND U	ND	ND	ND	ND U	ND	ND	ND
Chloroethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Chloromethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	1.9
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND U	ND	ND	ND	ND U	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND U	ND	ND	ND	ND U	ND	ND	ND
Dibromomethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND U	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND U	ND	ND	ND	ND U	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/19/2016	8/3/2016	1/10/2017	7/20/2017	1/25/2018	7/11/2018	2/15/2019	8/15/2019
1,2-Dichloroethane	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND U	ND	ND	ND	ND U	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND U	ND	ND	ND	ND U	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND U	ND	ND	ND	ND U	ND	ND	ND
Methylene Chloride	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Ethylbenzene	ug/L	700	ND U	ND	ND	ND	ND U	ND	ND	ND
2-Hexanone	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Iodomethane	ug/l	--	ND U	ND	ND	ND	ND U	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Styrene	ug/L	100	ND U	ND	ND	ND	ND U	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Tetrachloroethene	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
Toluene	ug/L	1000	ND U	ND	ND	ND	ND U	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND U	ND	ND	ND	ND U	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
Trichloroethene	ug/L	5	ND U	ND	ND	ND	ND U	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND U	ND	ND	ND	ND U	ND	ND	ND
Vinyl Acetate	ug/L	--	--	ND	ND	ND	ND U	ND	ND	ND
Vinyl Chloride	ug/L	2	ND U	ND	ND	ND	ND U	ND	ND	ND
o-Xylene	ug/L	10000	ND U	ND	ND	ND	ND U	ND	ND	ND
m+p Xylenes	ug/L	10000	ND U	ND	ND	ND	ND U	ND	ND	ND
Total Xylenes	ug/L	10000	ND U	ND	ND	ND	ND U	ND	ND	ND
Bromodichloromethane	ug/L	80	ND U	ND	ND	ND	ND U	ND	ND	ND
Dibromochloromethane	ug/L	80	ND U	ND	ND	ND	ND U	ND	ND	ND
Bromoform	ug/L	80	ND U	ND	ND	ND	0.58 J	ND	ND	ND
Chloroform	ug/L	80	ND U	ND	ND	ND	ND U	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/19/2020	8/27/2020	3/11/2021	7/28/2021	3/1/2022	9/21/2022	3/8/2023	7/19/2023
Acetone	ug/L	--	ND	4.3 J	ND	5.4	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/19/2020	8/27/2020	3/11/2021	7/28/2021	3/1/2022	9/21/2022	3/8/2023	7/19/2023
Bromomethane	ug/L	--	ND	ND	ND	0.69 J	ND	ND	ND	0.49 J
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	0.3 J	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	0.77 J	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	0.61 J	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/19/2020	8/27/2020	3/11/2021	7/28/2021	3/1/2022	9/21/2022	3/8/2023	7/19/2023
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/23/2024	8/26/2024	2/3/2025	7/22/2025	1/5/2026
Acetone	ug/L	--	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	2.2	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/23/2024	8/26/2024	2/3/2025	7/22/2025	1/5/2026
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	ND U	ND U	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	ND U	ND U	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	--	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	ND U	ND U	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	ND U	ND U	ND U	ND U

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/15/1996	11/5/1996	4/15/1997	10/31/1997	6/23/1998	12/11/1998	5/27/1999	11/16/1999
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.008	0.016	0.011	0.01	0.01	0.006	0.006	0.009
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	2.66	3.5	3.1	2.13	3.38	1.96	2.27	2.07
Chromium, total	mg/l	0.1	ND	0.004	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.012	ND	0.007	ND	ND	ND	ND	0.007
Iron, total	mg/l	--	0.135	0.46	0.07	ND	ND	0.017	ND	ND
Lead, total	mg/l	0.015	0.004	0.009	ND	0.012	0.005	0.004	0.003	0.004
Magnesium, total	mg/l	--	1.38	1.8	1.5	1.14	1.77	1.07	1.2	1.06
Manganese, total	mg/l	--	0.009	ND	ND	ND	0.006	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.005	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.793	ND	2.1	0.561	0.883	0.947	0.576	0.904
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	0.01	ND	ND	ND
Sodium, Total	mg/L	--	2.79	3.8	4.2	2.73	3.82	2.6	ND	2.3
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.016	0.036	0.044	0.022	0.023	0.009	0.013	0.028
Alkalinity, Total	mg/L	--	7	3	7	13	5.4	21	5	5
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	23	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.27	6	2	3.66	5.33	4.48	3.73	4.94
Hardness	mg/l	--	13	26	16	11	16	9.4	10	11.4
Nitrate/Nitrite-N	mg/L	10	2.57	2.06	2.2	0.81	1.94	1.36	1.03	1.28
pH	pH_Units	--	5.52 units	6.04 units	5.64 units	5.44 units	5.54 units	5.61 units	5.34 units	5.68 units
Specific Conductance	umhos/cm	--	40	50	63	80.9	45	32.1	51.1	30.7
Sulfate	mg/l	--	ND	ND	ND	1.53	ND	ND	0.62	1.5
Total Dissolved Solids	mg/L	--	32	46	73	12	40	32	31	35
Turbidity	NTU	--	2.5	ND	1.8	12	5.1	2.5	2.3	2.3

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/23/2000	12/13/2000	6/8/2001	11/15/2001	6/14/2002	11/7/2002	6/18/2003	12/3/2003
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.009	0.008	0.007	0.009	0.006	0.005	0.011	0.009
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	2.79	2.37	2.53	2.01	1.71	1.63	2.91	3.19
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.004	ND	0.007	0.007	0.006	ND	0.007	ND
Iron, total	mg/l	--	0.1	ND	ND	0.227	0.133	0.012	0.101	0.019
Lead, total	mg/l	0.015	0.003	0.003	ND	0.005	ND	ND	0.002	ND
Magnesium, total	mg/l	--	1.66	1.3	1.43	1.22	1	0.885	1.58	1.6
Manganese, total	mg/l	--	0.009	ND	ND	0.009	0.006	ND	0.009	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.5	0.966	1.09	1.52	ND	0.622	1.65	1.16
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.44	2.84	3.12	2.55	2.74	2	3.21	3.07
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.019	0.024	0.017	0.055	0.045	0.011	0.02	0.034
Alkalinity, Total	mg/L	--	12	6	4	8.6	7	30	7.8	7.4
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/23/2000	12/13/2000	6/8/2001	11/15/2001	6/14/2002	11/7/2002	6/18/2003	12/3/2003
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	5.13	2.92	6.2	4.27	3.83	2.69	4.24	4.45
Hardness	mg/l	--	6.84	12.1	13.1	11.6	8.98	8.2	14.6	14.6
Nitrate/Nitrite-N	mg/L	10	2.16	0.929	13.1	0.407	0.781	0.515	1.7	1.9
pH	pH_Units	--	5.5 units	5.65 units	5.49 units	5.62 units	5.77 units	11.3 units	5.73 units	6.9 units
Specific Conductance	umhos/cm	--	30	35.7	44.8	42.1	39.7	36.8	48.9	53.2
Sulfate	mg/l	--	ND	ND	ND	ND	ND	ND	0.751	ND
Total Dissolved Solids	mg/L	--	30	ND	49	27	19	28	42	46
Turbidity	NTU	--	1.3	2.3	1.2	3.7	1.6	1	1.4	2.1

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	6/24/2004	10/22/2004	7/21/2005	11/3/2005	3/16/2006	9/12/2006	2/21/2007	8/13/2007
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	0.005	ND	ND	0.002	0.004
Barium, total	mg/l	2	0.01	0.014	0.012	0.011	0.014	0.013	0.016	0.013
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	3.54	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	4.12	--	--	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	0.007
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	0.011
Copper, total	mg/l	1.3	0.009	0.012	0.005	ND	ND	ND	ND	0.023
Iron, total	mg/l	--	0.044	0.364	ND	0.032	0.056	0.39	0.116	0.133
Lead, total	mg/l	0.015	0.005	0.007	0.004	ND	ND	0.003	0.003	0.013
Magnesium, total	mg/l	--	2.06	2.05	1.94	1.51	2.36	1.97	2.57	2.25
Manganese, total	mg/l	--	0.007	0.02	0.097	ND	ND	0.017	0.016	0.016
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	--	--	--
Potassium, total	mg/l	--	1.26	2.04	1.2	0.985	0.881	--	--	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.54	4.78	2.61	1.98	4.21	--	--	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	0.01
Zinc, total	mg/l	--	0.03	0.047	0.036	0.018	0.016	0.068	0.026	0.063
Alkalinity, Total	mg/L	--	7.9	8.3	8.7 mg/L as CaCO3	7.7 mg/L as CaCO3	8.5 mg/L as CaCO3	7.4 mg/L as CaCO3	8.4 mg/L as CaCO3	7 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	11	ND	ND	ND	ND	11
Chloride	mg/l	--	4.89	5.34	5.71	5.06	6.93	5.89	8.17	11.4
Hardness	mg/l	--	18.1	20	17.4	13.9	20.6	17	22.9	19.2
Nitrate/Nitrite-N	mg/L	10	2.1	2.6	2.82 mg/L as N	2.1 mg/L as N	--	--	--	--
pH	pH_Units	--	5.5 units	6.5 units	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	47.9	85.5	--	--	--	62 umhos at 25C	--	--
Sulfate	mg/l	--	0.68	ND	0.83	0.39	0.65	ND	ND	5.4
Total Dissolved Solids	mg/L	--	44	18	54	23	67	42	58	79
Turbidity	NTU	--	2.2	2.1	1.6	0.47	2.1	4.6	2.9	1.3

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/21/2010	9/8/2010	1/7/2011	7/27/2011
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.007	0.01	0.011	0.006	0.014	0.009	0.006	0.01
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	2.87	2.88	2.35	4.5	2.43	2.2	3.12
Chromium, total	mg/l	0.1	ND	0.004	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.006	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.071	0.082	ND	0.07	0.078	ND	0.114
Lead, total	mg/l	0.015	0.003	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	--	1.78	1.69	1.32	2.53	1.45	1.29	1.82
Manganese, total	mg/l	--	0.003	0.003	0.007	ND	0.004	0.005	0.004	0.019
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/21/2010	9/8/2010	1/7/2011	7/27/2011
Nickel, total	mg/l	--	ND	0.003	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	0.746	0.684	0.649	0.78	0.601	0.674	0.897
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	--	3.01	2.99	2.47	3.88	2.93	2.33	3.18
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.011	0.015	0.02	0.008	0.009	0.008	0.008	0.008
Alkalinity, Total	mg/L	--	5.4 mg/L as CaCO3	7.4 mg/L as CaCO3	7.3 mg/L as CaCO3	7.51 mg/L as CaCO3	7 mg/L as CaCO3	7 mg/L as CaCO3	7.64 mg/L as CaCO3	7.2 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.12	5.35	5.7	4.43	7.23	4.69	3.58	4.97
Hardness	mg/l	--	10.6 mg/L as CaCO3	14.5 mg/L as CaCO3	14.1 mg/L as CaCO3	11.3 mg/L as CaCO3	21.6 mg/L as CaCO3	12 mg/L as CaCO3	10.8 mg/L as CaCO3	15.3 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	1.76	2.66	1.9	1.98	4.37	2.7	1.33	3
pH	pH_Units	--	--	--	--	--	--	5.73 pH Units	5.63 pH Units	6.15 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	52 umhos @ 25°C	39.6 umhos @ 25°C	57 umhos @ 25°C
Sulfate	mg/l	--	0.75	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	78	67	36	36	51	50	44	14
Turbidity	NTU	--	--	--	--	--	--	0.99	1.81	2.4

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/21/2012	8/22/2012	1/11/2013	8/28/2013	2/7/2014	8/6/2014	2/12/2015	8/19/2015
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.011	0.0061	0.0067	0.0089	0.0092	0.0111	0.01	0.0082
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	4.96	2.01	2.21	3.2	2.95	3.83	3.18	2.88
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.072	0.0963	0.0515	0.0815	ND	ND	0.138	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	2.12	1.22	1.3	1.77	1.66	2.1	1.91	1.72
Manganese, total	mg/l	--	0.112	0.0068	0.0028	0.0099	0.0058	0.005	0.0079	0.0046
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.966	0.623	0.535	0.797	0.633	0.804	0.901	0.793
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.78	2.22	2.36	3.16	2.75	3.05	2.91	2.77
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.007	0.0163	0.0156	0.0182	0.015	0.015	0.0182	0.0092
Alkalinity, Total	mg/L	--	7.1 mg/L as CaCO3	7.48	7.92	7.8	7.76	5.5	8.36	6.16
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	5.47	3.41	3.79	4.57	4.79	5.27	4.5	4.37
Hardness	mg/l	--	21.1 mg/L as CaCO3	10	10.9	15.3	14.2	18.2	7.94	14.3
Nitrate/Nitrite-N	mg/L	10	3.4	0.992	1.2	1.94	2.16	3.13	2.12	1.85
pH	pH_Units	--	6.06 pH Units	5.75 units	5.69 units	5.71 units	5.57 units	5.29 units	5.74 units	5.4 units
Specific Conductance	umhos/cm	--	59 umhos @ 25°C	33.8 umhos	62.4 umhos	41.5 umhos	76.1 umhos	76.4 umhos	31.9 umhos	44.2
Sulfate	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	120	45	28	25	36	40	ND	31
Turbidity	NTU	--	0.47	1.87	0.681	1.1	1.75	1.28	1.69	1.04

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Parameter Name	Units	MCL	2/19/2016	8/3/2016	1/10/2017	7/20/2017	1/25/2018	7/11/2018	2/15/2019	8/15/2019
Antimony, total	mg/l	0.006	0.000374 B	ND	ND	ND	ND U	ND	ND	ND
Arsenic, total	mg/l	0.01	0.000349 B	ND	ND	ND	ND U	ND	ND	ND
Barium, total	mg/l	2	0.0101	0.0085	0.0067	0.0086	0.0072	0.016	0.023	0.015
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND U	ND	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/19/2016	8/3/2016	1/10/2017	7/20/2017	1/25/2018	7/11/2018	2/15/2019	8/15/2019
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND U	ND	ND	ND
Calcium, total	mg/l	--	3.59	2.88	2.44	3.08	2.3	3.4	6.4	3.8
Chromium, total	mg/l	0.1	0.000521 B	ND	ND	ND	0.00096 J	0.0055	0.0041	0.0012 J
Cobalt, total	mg/l	--	0.000145 B	ND	ND	ND	ND U	0.002 J	ND	ND
Copper, total	mg/l	1.3	0.0041 B	ND	ND	ND	ND U	0.0076	ND	ND
Iron, total	mg/l	--	0.0488 B	ND	ND	ND	0.03 J	0.36	0.075	0.028 J
Lead, total	mg/l	0.015	0.00033 B	ND	ND	ND	ND U	0.00086 J	ND	ND
Magnesium, total	mg/l	--	2.14	1.63	1.36	1.79	1.4	2.1	4	2.7
Manganese, total	mg/l	--	0.0058	0.0043	ND	0.0085	0.0049 J	0.022	0.0084	0.0077
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND U	ND	ND	ND
Nickel, total	mg/l	--	0.0019 B	ND	ND	ND	ND U	0.014	0.0061	0.0024 J
Potassium, total	mg/l	--	0.8	0.775	0.625	0.75	0.61	0.77	1.1	1
Selenium, total	mg/l	0.05	0.000393 B	ND	ND	ND	ND U	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND U	ND	ND	ND
Sodium, Total	mg/L	--	3.2	2.85	2.3	2.79	2.4	3	3.2	3.2
Thallium, total	mg/l	0.002	0.000659 B	ND	ND	ND	ND U	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Zinc, total	mg/l	--	0.0073	ND	ND	ND	0.0052 J	0.0084	0.021	0.01
Alkalinity, Total	mg/L	--	6.16	7.4	6.56	6.56	10	11	8	6
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	0.071 J	0.149	0.129	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Chloride	mg/l	--	4.88	4.35	3.6	4.6	4.2	6.5	7.4	6.5
Hardness	mg/l	--	17.8	13.9	11.7	15.1	11.5	16.8	32.5	20.7
Nitrate/Nitrite-N	mg/L	10	3.73	2.2	1.5	2.36	1.5	3.7	8.74	4.2
pH	pH_Units	--	7.14 units	5.52 units	5.31 units	6.64 units	6.47	6.25	6.2	6.19
Specific Conductance	umhos/cm	--	87	49	46	52	38	74.5 mg/L	100	66
Sulfate	mg/l	--	ND	0.6 J	ND	ND	ND U	ND	ND	ND
Total Dissolved Solids	mg/L	--	37	21 J	25	39	47	83	109	124
Turbidity	NTU	--	1.41	0.636	1.13	1.88	1.12	5.49	0.35	1.61

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/19/2020	8/27/2020	3/11/2021	7/28/2021	3/1/2022	9/21/2022	3/8/2023	7/19/2023
Antimony, total	mg/l	0.006	ND	0.00089 J	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.012	0.0071	0.012	0.0087	0.014	0.012	0.016	0.014
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	0.00045 J	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	3.6	2.4	3.9	2.6	3.8	3.2	4	3.9
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	0.0029	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	0.0028 J	ND
Iron, total	mg/l	--	ND	ND	ND	0.027 J	ND	0.11	0.3	0.023 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	0.00098 J	0.0092	ND
Magnesium, total	mg/l	--	2.3	1.3	2.4	1.5	2.6	2.1	2.5	2.3
Manganese, total	mg/l	--	0.0035 J	ND	0.0039 J	0.0025 J	0.0049 J	0.027	0.095	0.0047 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0021 J	ND	0.0021 J	ND	0.0024 J	ND	0.0032 J	0.0023 J
Potassium, total	mg/l	--	0.83	0.99	0.82	1.4	0.93	0.83	0.85	0.91
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	0.00077 J	0.0011 J	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.2	2.4	3.2	2.7	3.3	3	3.2	3.1
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0083	0.0079	0.0084	0.012	0.0099	0.008	0.011	0.0095
Alkalinity, Total	mg/L	--	9	9	5	10	ND	8	9 J	7
Ammonia-N, Low Level	mg/L	--	ND	0.03 J	0.02 J	0.02 J	0.02 J	0.02 J	0.02 J	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	12 J	6 J
Chloride	mg/l	--	5.5	4.1	7.5	3.8	5.8	6.6	5.5	5.7
Hardness	mg/l	--	18.7	11.5	19.5	12.9	20.3	16.6	20.2	19.4
Nitrate/Nitrite-N	mg/L	10	3.2	1.5	4.3	1.6	3.5	2.86	3.88	3.5
pH	pH_Units	--	6.57	6.58	7.02	6.36	6.36	7.18	6.52	6.95
Specific Conductance	umhos/cm	--	67	42	48	48	77	58	67	66
Sulfate	mg/l	--	ND	0.5 J	0.6 J	ND	ND	2.2	ND	ND

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/19/2020	8/27/2020	3/11/2021	7/28/2021	3/1/2022	9/21/2022	3/8/2023	7/19/2023
Total Dissolved Solids	mg/L	--	68	41	39	36	49	29	66	61
Turbidity	NTU	--	0.11	0.2	2.79	0.28	0.55	9.3	6.1	1.2

Location ID: M-4
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/23/2024	8/26/2024	2/3/2025	7/22/2025	1/5/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.009	0.012	0.011	0.011	0.0095
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	2.8	3.6	3.6	3.5	3.1
Chromium, total	mg/l	0.1	ND	ND	0.00077 J	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	0.032 J	ND	0.019 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	1.7	2.3	2.1	2.1	1.8
Manganese, total	mg/l	--	0.0023 J	0.0028 J	0.011	0.0053 J	0.0037 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	0.0021 J	0.0046 J	0.0019 J	ND
Potassium, total	mg/l	--	0.75	0.86	0.84	0.82	0.77
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.8	3	3	3	2.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0062	0.0078	0.0079	0.008	0.0064
Alkalinity, Total	mg/L	--	9	10	11	5	9
Ammonia-N, Low Level	mg/L	--	0.05 J	0.02 J	0.02 J	8.54	0.02 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.6	5.4	5.1	4.9	4.4
Hardness	mg/l	--	14.1	18.5	17.7	15.9	13.5
Nitrate/Nitrite-N	mg/L	10	2.2	3.7	3.1	3	2.4
pH	pH_Units	--	6.86	6.73	6.92	6.87	6.69
Specific Conductance	umhos/cm	--	50	65	58	58	51
Sulfate	mg/l	--	ND	ND	ND	ND	0.29 J
Total Dissolved Solids	mg/L	--	28	29	38	57	35
Turbidity	NTU	--	ND	ND	0.45	1.3	5.2

Historical Well Data Table I

Name: Northern Landfill

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/24/1998
Acetone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	12 µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	--	--	--	ND µg/L	ND µg/L	0.8 µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/24/1998
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/10/1998	5/26/1999	11/16/1999	5/24/2000	6/6/2001	11/14/2001	6/11/2002	11/7/2002
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/10/1998	5/26/1999	11/16/1999	5/24/2000	6/6/2001	11/14/2001	6/11/2002	11/7/2002
Iodomethane	ug/l	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	2.7 µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	6/18/2003	12/2/2003	6/24/2004	10/22/2004	7/20/2005	11/3/2005	3/16/2006	9/13/2006
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND

Location ID:	M-6									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**6/18/2003**	**12/2/2003**	**6/24/2004**	**10/22/2004**	**7/20/2005**	**11/3/2005**	**3/16/2006**	**9/13/2006**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-6									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/21/2007**	**8/13/2007**	**2/6/2008**	**8/5/2008**	**2/18/2009**	**8/19/2009**	**1/21/2010**	**9/9/2010**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	--	--	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	--	--	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/21/2007	8/13/2007	2/6/2008	8/5/2008	2/18/2009	8/19/2009	1/21/2010	9/9/2010
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	8/1/2011	2/22/2012	8/21/2012	1/11/2013	8/28/2013	2/6/2014	8/5/2014
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	8/1/2011	2/22/2012	8/21/2012	1/11/2013	8/28/2013	2/6/2014	8/5/2014
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/19/2015	2/18/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018	7/11/2018
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	5.8 J	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/19/2015	2/18/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018	7/11/2018
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND U	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND U	ND
o-Xylene	ug/L	10000	1.07	ND	ND	ND	ND	ND	ND U	ND
m+p Xylenes	ug/L	10000	2.04	ND	ND	ND	ND	ND	ND U	ND
Total Xylenes	ug/L	10000	3.11	ND	ND	ND	ND	ND	ND U	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	0.49 J	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/15/2019	8/15/2019	3/19/2020	8/27/2020	3/15/2021	7/26/2021	3/3/2022	9/21/2022
Acetone	ug/L	--	ND	ND	3.6 J	ND	4.5 J	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	0.43 J	ND	ND	ND	ND	ND	ND	ND

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/15/2019	8/15/2019	3/19/2020	8/27/2020	3/15/2021	7/26/2021	3/3/2022	9/21/2022
2-Butanone	ug/L	--	ND	ND	ND	ND	1.8 J	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	0.65 J	ND	ND	ND	ND	ND	0.41 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	0.58 J	ND	ND	--	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--

Location ID:	M-6									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/15/2019**	**8/15/2019**	**3/19/2020**	**8/27/2020**	**3/15/2021**	**7/26/2021**	**3/3/2022**	**9/21/2022**
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-6								
Number of Sampling Dates:	63								
Parameter Name	**Units**	**MCL**	**3/8/2023**	**7/19/2023**	**1/22/2024**	**8/28/2024**	**2/4/2025**	**7/21/2025**	**1/5/2026**
Acetone	ug/L	--	ND	ND	ND	3.9 J	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	0.52 J	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	0.35 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/8/2023	7/19/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	ND U	3.71 U	3.64	4.14
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	ND U	ND U	ND U	1.03
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	ND U	ND U	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	ND U	ND U	ND U	1.71

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/24/1998
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.005	ND	ND	0.019	0.003	0.01	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	0.0007	ND	0.0009	ND	ND	ND
Calcium, total	mg/l	--	14.3	13.5	13.9	13.9	17	14	16	16.5
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.0011	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.004	ND	ND	0.025	ND	0.005	ND
Iron, total	mg/l	--	ND	ND	ND	0.464	ND	ND	1.01	ND
Lead, total	mg/l	0.015	0.003	0.003	0.003	ND	0.006	ND	0.005	ND
Magnesium, total	mg/l	--	6.11	5.89	6.3	6.01	6.8	5.8	6.92	7.09
Manganese, total	mg/l	--	0.007	0.038	ND	0.008	0.13	ND	0.033	0.008
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	0.0008	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	0.016	ND
Potassium, total	mg/l	--	0.683	1.01	0.651	0.519	1.8	2.7	1.92	2.02
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	5.45	5.42	5.17	5.43	5.5	6.1	5.18	5.08
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.038	0.034	0.026	0.023	0.068	0.03	0.024	0.011
Alkalinity, Total	mg/L	--	29	28	28	32	47	28	28	22
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	23	ND	ND	ND
Chloride	mg/l	--	10.6	9.64	5.99	8.59	14	13	12.4	11.6
Hardness	mg/l	--	60	55	65	58	78	65	69	64
Nitrate/Nitrite-N	mg/L	10	10.7	7.63	7.35	8.93	8.2	8.2	8.66	8.69
pH	pH_Units	--	6.58 units	6.63 units	6.58 units	6.6 units	5.83 units	6.62 units	5.9 units	5.92 units
Specific Conductance	umhos/cm	--	130	120	120	55	150	172.4	50.2	150
Sulfate	mg/l	--	9.92	10.5	10.2	10.1	29	ND	10.6	ND
Total Dissolved Solids	mg/L	--	116	110	130	130	190	230	103	110
Turbidity	NTU	--	1.1	7	1.9	2.3	22	7.6	14	8.2

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/10/1998	5/26/1999	11/16/1999	5/24/2000	6/6/2001	11/14/2001	6/11/2002	11/7/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.004	0.005	0.008	ND	0.005	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	14.9	15.1	13.9	14.8	15.1	14.7	16.5	15.1
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.004	ND	0.008	0.04	0.005	0.009	0.007	0.008
Iron, total	mg/l	--	0.252	0.31	0.245	ND	0.412	ND	0.128	0.11
Lead, total	mg/l	0.015	ND	ND	0.003	0.008	0.003	ND	ND	ND
Magnesium, total	mg/l	--	6.24	7.22	6.54	6.38	6.51	6.33	7.16	6.92
Manganese, total	mg/l	--	0.007	0.036	0.008	0.032	0.006	0.009	0.013	0.007
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.997	1.14	3.13	4.6	3.5	2.51	5.34	2.51
Selenium, total	mg/l	0.05	ND	ND	ND	ND	0.004	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.28	5.17	4.46	4.78	4.78	4.53	5.97	4.91
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.009	0.016	0.023	0.08	0.024	0.036	0.033	0.035
Alkalinity, Total	mg/L	--	38	ND	20	30	20	17	28	24
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	10.2	13.5	12.6	12.5	10.8	15.1	14.3	13.6

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/10/1998	5/26/1999	11/16/1999	5/24/2000	6/6/2001	11/14/2001	6/11/2002	11/7/2002
Hardness	mg/l	--	64	71	64.7	71.5	67.5	67.1	58.1	69
Nitrate/Nitrite-N	mg/L	10	8.79	9.74	8.28	9.22	7.54	9.57	10.9	9.99
pH	pH_Units	--	6.1 units	6.01 units	6.13 units	6.05 units	5.29 units	6.09 units	6.57 units	11.5 units
Specific Conductance	umhos/cm	--	69.8	182.7	118.4	139.2	171	85.6	215.4	140.1
Sulfate	mg/l	--	ND	ND	ND	0.69	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	123	140	129	146	142	132	124	131
Turbidity	NTU	--	9.5	9.8	10	15	5.4	9.8	5.2	5.7

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	6/18/2003	12/2/2003	6/24/2004	10/22/2004	7/20/2005	11/3/2005	3/16/2006	9/13/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.005	ND	ND	0.008	0.004	0.005	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	15.2	13.5	14.2	15	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.009	0.005	0.006	0.007	0.005	0.005	0.005	ND
Iron, total	mg/l	--	0.014	0.151	0.37	0.2	0.029	0.152	0.107	0.292
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	0.002
Magnesium, total	mg/l	--	6.87	5.55	6.68	6.31	5.78	5.52	5.76	6.9
Manganese, total	mg/l	--	0.066	0.017	0.006	0.01	ND	0.009	ND	0.016
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	--
Potassium, total	mg/l	--	3.13	2.13	1.51	2.93	1.49	2.65	1.39	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.89	4.17	4.34	5.18	4.32	4.47	4.9	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.027	0.019	0.017	0.109	0.019	0.017	0.007	0.021
Alkalinity, Total	mg/L	--	24	21	21	26	23 mg/L as CaCO3	25 mg/L as CaCO3	27 mg/L as CaCO3	--
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	12.4	11.69	11.8	11.3	11.1	10.9	10.9	--
Hardness	mg/l	--	69.5	55.4	63.2	64	55.5	60.8	57.9	70.8
Nitrate/Nitrite-N	mg/L	10	9.05	9.24	9.06	8.96	8.44 mg/L as N	8.36 mg/L as N	--	--
pH	pH_Units	--	6.37 units	6.3 units	5.91 units	7.62 units	--	--	--	--
Specific Conductance	umhos/cm	--	144.7	133.2	380	181.3	--	--	--	--
Sulfate	mg/l	--	0.917	ND	0.82	ND	ND	0.48	0.91	1.08
Total Dissolved Solids	mg/L	--	129	133	119	80	155	90	137	136
Turbidity	NTU	--	11	9.8	6.5	5.4	1.4	5.1	4	7.6

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/21/2007	8/13/2007	2/6/2008	8/5/2008	2/18/2009	8/19/2009	1/21/2010	9/9/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	0.002	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	0.005	ND	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	14.3	14.7	14.4	15.5	15.4
Chromium, total	mg/l	0.1	ND	ND	ND	0.006	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	0.003	ND	ND	ND
Iron, total	mg/l	--	0.051	0.118	0.08	0.102	0.051	0.056	0.152	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.24	6.29	--	6.56	6.56	6.24	6.62	6.8
Manganese, total	mg/l	--	ND	ND	0.008	ND	0.004	ND	0.006	0.003
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	--	--	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	--	--	2.15	2.16	1.86	2.08	1.85
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	0.001	ND	ND	ND	ND	ND

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/21/2007	8/13/2007	2/6/2008	8/5/2008	2/18/2009	8/19/2009	1/21/2010	9/9/2010
Sodium, Total	mg/L	--	--	--	--	5.19	5.56	5.16	5.62	6.09
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.011	0.014	0.005	0.012	0.028	0.008	0.012	ND
Alkalinity, Total	mg/L	--	24 mg/L as CaCO3	29 mg/L as CaCO3	50 mg/L as CaCO3	32 mg/L as CaCO3	32 mg/L as CaCO3	31.1 mg/L as CaCO3	33 mg/L as CaCO3	30 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	10.8	14	13.6	11.7	11.5	11.9	12.4	11.9
Hardness	mg/l	--	3 date analyzed	61.6	82.5 mg/L as CaCO3	62.7 mg/L as CaCO3	63.7 mg/L as CaCO3	61.7 mg/L as CaCO3	66 mg/L as CaCO3	66.5 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	--	--	8.87	9.24	10.1	6.63	9.32	11.5
pH	pH_Units	--	--	--	--	--	--	--	--	5.74 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	--	--	240 umhos @ 25°C
Sulfate	mg/l	--	ND	ND	ND	ND	ND	ND	0.72	0.63
Total Dissolved Solids	mg/L	--	96	145	158	162	135	134	117	131
Turbidity	NTU	--	2.5	3	--	--	--	--	--	0.81

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	8/1/2011	2/22/2012	8/21/2012	1/11/2013	8/28/2013	2/6/2014	8/5/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	16.8	15.7	17.1	16	16.6	16.8	15.7	18.1
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.114	ND	0.099	0.0579	0.0584	0.116	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	7.33	6.86	7.45	7.07	7.46	7.63	7.44	7.95
Manganese, total	mg/l	--	0.01	0.007	0.007	ND	ND	0.0031	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.99	2.51	1.8	1.91	2.54	1.41	2.93	1.99
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	6.31	6.21	6.3	5.79	6.32	6.17	6.21	6.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	0.006	ND	0.0113	0.0122	0.0122	0.0104	ND
Alkalinity, Total	mg/L	--	30.8 mg/L as CaCO3	30 mg/L as CaCO3	32 mg/L as CaCO3	32.1	32.9	31.8	34.9	3.3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	11	ND	ND	ND	ND	ND
Chloride	mg/l	--	11.6	12.2	12.8	14.6	16	17.3	17.3	18.7
Hardness	mg/l	--	72.1 mg/L as CaCO3	67.4 mg/L as CaCO3	73.4 mg/L as CaCO3	69.1	72.2	73.3	69.8	77.9
Nitrate/Nitrite-N	mg/L	10	8.35	9.33	9.89	10.2	8.95	9.02	8.5	8.59
pH	pH_Units	--	5.61 pH Units	6.51 pH Units	6.41 pH Units	7.29 units	6.1 units	6.26 units	5.95 units	6.59 units
Specific Conductance	umhos/cm	--	210 umhos @ 25°C	218 umhos @ 25°C	212 umhos @ 25°C	208 umhos	275.1 umhos	222.3 umhos	248.8 umhos	130.8 umhos
Sulfate	mg/l	--	ND	0.77	0.81	ND	1.1	1.1	ND	ND
Total Dissolved Solids	mg/L	--	110	155	113	134	118	118	114	143
Turbidity	NTU	--	2.1	0.64	1.6	0.214	0.468	0.79	0.361	0.453

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/19/2015	2/18/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018	7/11/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND U	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND U	ND
Barium, total	mg/l	2	ND	ND	ND	0.0023 J	ND	ND	0.0026 J	0.003 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND U	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND U	ND
Calcium, total	mg/l	--	19.1	17.2	21.4	20.7	20.8	22	23	19.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	0.00095 J	0.013
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Copper, total	mg/l	1.3	ND	ND	0.0155	ND	ND	ND	ND U	0.0037 J
Iron, total	mg/l	--	0.0848	ND	ND	0.0388 J	ND	ND	0.082	0.32

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/19/2015	2/18/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018	7/11/2018
Lead, total	mg/l	0.015	ND	ND	ND	0.0003 J	ND	ND	ND U	ND
Magnesium, total	mg/l	--	8.02	9.16	9.25	9.03	9.16	9.83	10.5	9.5
Manganese, total	mg/l	--	0.0039	ND	ND	0.0045	ND	ND	0.021	0.0052 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	0.022
Potassium, total	mg/l	--	1.35	1.82	2.28	1.46	1.14	1.6	0.71	2.7
Selenium, total	mg/l	0.05	0.0034	ND	ND	ND	ND	ND	ND U	ND
Silver, total	mg/l	--	ND	ND	ND	0.00076 J	ND	0.0016	0.00099 J	ND
Sodium, Total	mg/L	--	6.06	6.77	6.8	6.79	6.48	6.85	6.7	6.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Zinc, total	mg/l	--	0.0139	0.006	ND	ND	ND	ND	0.0021 J	0.0019 J
Alkalinity, Total	mg/L	--	32.6	31	33.5	33	31.1	35	50	41
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	0.046 J	0.132
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	8 J	ND	ND	ND U	ND
Chloride	mg/l	--	19.6	23.3	25	28.4	26.6	32.5	35.8	39.9
Hardness	mg/l	--	47.7	80.7	91.6	88.8	89.7	95.5	101	88.4
Nitrate/Nitrite-N	mg/L	10	8.38	8.7	8.25	8.47	8.65	8.22	7.3	7.7
pH	pH_Units	--	6.21 units	5.7 units	5.86 units	6.2 units	6.23 units	6.91 units	7.29	7.02
Specific Conductance	umhos/cm	--	159.2 umhos	244	270	247	238	247	245	276 mg/L
Sulfate	mg/l	--	ND	ND	ND	2.16	1.79	2.17	2.7	10.1
Total Dissolved Solids	mg/L	--	118	138	134	148	137	189	166	181
Turbidity	NTU	--	1.28	0.839	0.438	0.633	0.278	2.61	1.08	1.46

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/15/2019	8/15/2019	3/19/2020	8/27/2020	3/15/2021	7/26/2021	3/3/2022	9/21/2022
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0031 J	0.0041 J	0.0025 J	0.0027 J	ND	0.0022 J	0.0024 J	0.0036 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	26.3	29.1	26.9	25.6	28.5	28.5	30.8	34
Chromium, total	mg/l	0.1	0.0014 J	0.0015 J	0.00083 J	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	0.0021 J	ND
Iron, total	mg/l	--	0.065	ND	0.025 J	ND	ND	0.022 J	0.023 J	0.024 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	10.7	11.6	12.3	12.4	13.8	13.5	15.3	16.5
Manganese, total	mg/l	--	0.0029 J	0.0037 J	0.0031 J	ND	ND	ND	0.0036 J	0.007
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	3	2.4	4.2	2.8	3.1	3.9	2.5	1.8
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	0.00099 J	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	7.3	7.4	8.7	7.4	8.1	8.5	8.7	8.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0047 J	0.0063	0.0024 J	0.0047 J	0.0056 J	0.0038 J	0.0034 J	0.0025 J
Alkalinity, Total	mg/L	--	43	42	54	45	47	45	47	52
Ammonia-N, Low Level	mg/L	--	0.052 J	ND	ND	0.03 J	0.01 J	0.03 J	0.03 J	0.03 J
Chemical Oxygen Demand (COD)	mg/L	--	43	ND	9 J	41	18	13 J	8 J	ND
Chloride	mg/l	--	44.3	41.8	42.6	52.3	56.4	57.7	59	58.3
Hardness	mg/l	--	110	121	118	115	128	127	140	153
Nitrate/Nitrite-N	mg/L	10	9.44	6.8	6.4	7.9	7.6	7.5	6.8	6.89
pH	pH_Units	--	6.91	7.05	7.75	7.35	7.56	7.27	7.69	7.98
Specific Conductance	umhos/cm	--	287	276	325	327	340	336	380	400
Sulfate	mg/l	--	5	4.5	3.6	5.7	5.4	8.4	7.8	11.6
Total Dissolved Solids	mg/L	--	236	216	206	218	312	262	256	224
Turbidity	NTU	--	0.5	0.43	0.5	0.37	ND	0.1	0.7	0.96

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/8/2023	7/19/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND

Location ID: M-6
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/8/2023	7/19/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Barium, total	mg/l	2	0.0032 J	0.0028 J	0.0079	0.0023 J	0.0027 J	0.0023 J	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	36.2	33.9	37.5	37.1	38.8	38.1	38.7
Chromium, total	mg/l	0.1	0.00094 J	ND	0.0037	ND	0.0048	ND	0.0011 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.0036 J	ND	ND	ND	ND
Iron, total	mg/l	--	0.027 J	0.051 J	0.71	ND	0.053 J	0.02 J	0.057
Lead, total	mg/l	0.015	ND	ND	0.0022 J	ND	ND	ND	ND
Magnesium, total	mg/l	--	17.2	16.5	18.4	16.8	18.8	18.1	17.9
Manganese, total	mg/l	--	0.012	0.0041 J	0.1	0.0023 J	0.0044 J	0.0076	0.0054 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.0033 J	ND	0.0023 J	ND	ND
Potassium, total	mg/l	--	1.4	2.6	1.1	5.4	2.3	3.6	3.4
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	0.0014 J	ND	ND	ND	ND
Sodium, Total	mg/L	--	9.2	8.9	9.7	9.6	9.5	9.5	9.1
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0026 J	0.0075	0.015	0.0025 J	0.0024 J	0.0029 J	0.0023 J
Alkalinity, Total	mg/L	--	53	57	61	62	60	62	62
Ammonia-N, Low Level	mg/L	--	0.03 J	ND	0.04 J	0.05 J	0.01 J	0.03 J	ND
Chemical Oxygen Demand (COD)	mg/L	--	23	18	6 J	16	15	16	16
Chloride	mg/l	--	64.4	67.1	65	69.2	74.6	70	69.8
Hardness	mg/l	--	161	153	169	162	175	159	151
Nitrate/Nitrite-N	mg/L	10	6.42	6.6	6.1	6.09	6.6	5.9	6.1
pH	pH_Units	--	7.33	7.82	7.77	8.04	7.99	7.86	7.65
Specific Conductance	umhos/cm	--	419	411	419	420	428	449	441
Sulfate	mg/l	--	14.4	12.9	17.4	14.6	20.7	20.5	20
Total Dissolved Solids	mg/L	--	262	342	264	244	280	318	264
Turbidity	NTU	--	1.7	1.3	8.9	0.3	0.6	2.1	3.7

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-7									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**5/15/1996**	**11/7/1996**	**4/15/1997**	**10/30/1997**	**6/25/1998**	**12/10/1998**	**5/25/1999**	**5/25/2000**
Acetone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	ND µg/l
1,1-Dichloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	5.9 µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Iodomethane	ug/l	--	--	--	--	--	--	--	--	ND µg/l
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/15/1996	11/7/1996	4/15/1997	10/30/1997	6/25/1998	12/10/1998	5/25/1999	5/25/2000
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	11/18/2000	12/14/2000	6/5/2001	11/14/2001	6/13/2002	11/7/2002	6/19/2003	12/2/2003
Acetone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l

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Parameter Name	Units	MCL	11/18/2000	12/14/2000	6/5/2001	11/14/2001	6/13/2002	11/7/2002	6/19/2003	12/2/2003
Iodomethane	ug/l	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	0.8 µg/l	ND µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	6/23/2004	10/22/2004	7/21/2005	11/3/2005	3/17/2006	9/13/2006	2/22/2007	8/15/2007
Acetone	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND

Location ID:	M-7									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**6/23/2004**	**10/22/2004**	**7/21/2005**	**11/3/2005**	**3/17/2006**	**9/13/2006**	**2/22/2007**	**8/15/2007**
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

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Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/7/2008	8/5/2008	2/18/2009	8/18/2009	1/19/2010	9/9/2010	1/5/2011	7/28/2011
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	--	--	ND	ND	ND	ND

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Parameter Name	Units	MCL	2/7/2008	8/5/2008	2/18/2009	8/18/2009	1/19/2010	9/9/2010	1/5/2011	7/28/2011
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/22/2012	8/20/2012	1/9/2013	8/29/2013	2/4/2014	8/5/2014	2/13/2015	8/19/2015
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/22/2012	8/20/2012	1/9/2013	8/29/2013	2/4/2014	8/5/2014	2/13/2015	8/19/2015
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/18/2016	8/2/2016	1/11/2017	7/18/2017	1/24/2018	7/10/2018	2/15/2019	8/15/2019
Acetone	ug/L	--	ND	ND	ND	ND	ND U	4.2 J	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND U	ND	0.47 J	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND U	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	0.43 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND U	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND U	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND U	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND U	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/18/2016	8/2/2016	1/11/2017	7/18/2017	1/24/2018	7/10/2018	2/15/2019	8/15/2019
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND U	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND U	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND U	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND U	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND U	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND U	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND U	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND U	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND U	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND U	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND U	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	0.46 J	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND U	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/18/2020	8/26/2020	3/15/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023
Acetone	ug/L	--	ND	4 J	5 J	4.6 J	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/18/2020	8/26/2020	3/15/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023
Bromomethane	ug/L	--	ND	ND	ND	0.44 J	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	2.2 J	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	0.27 J	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	0.58 J	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	0.87 J	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-7									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**3/18/2020**	**8/26/2020**	**3/15/2021**	**7/27/2021**	**3/1/2022**	**9/21/2022**	**3/8/2023**	**7/18/2023**
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-7									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**1/24/2024**	**8/28/2024**	**2/4/2025**	**7/21/2025**	**1/5/2026**			
Acetone	ug/L	--	ND	ND	ND	ND	ND			
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND			
Benzene	ug/L	5	ND	ND	ND	ND	ND			
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND			
Bromomethane	ug/L	--	ND	ND	ND	ND	ND			
2-Butanone	ug/L	--	ND	ND	ND	ND	ND			
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND			
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND			
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND			
Chloroethane	ug/L	--	ND	ND	ND	ND	ND			
Chloromethane	ug/L	--	ND	ND	ND	0.4 J	ND			
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND			
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND			
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND			
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND			
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND			
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND			
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND			
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND			
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND			
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND			
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND			
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND			
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND			
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND			
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND			
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND			
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND			
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND			
Iodomethane	ug/l	--	ND	ND	ND	ND	ND			
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND			
Styrene	ug/L	100	ND	ND	ND	ND	ND			
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND			
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND			
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND			
Toluene	ug/L	1000	ND	ND	ND	ND	ND			

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/24/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	ND U	ND U	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	ND U	ND U	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	--	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	ND U	ND U	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	ND U	ND U	ND U	ND U

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/15/1996	11/7/1996	4/15/1997	10/30/1997	6/25/1998	12/10/1998	5/25/1999	5/25/2000
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.012	0.02	0.01	0.01	0.009	0.009	0.01	0.011
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.0006	0.0015	0.001	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	4.83	8.2	6.1	5.16	4.5	4.67	4.78	5.17
Chromium, total	mg/l	0.1	ND	0.0018	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.009	ND	0.007	ND	ND	0.008	0.003	0.016
Iron, total	mg/l	--	1.15	ND	ND	0.252	0.194	0.485	0.073	ND
Lead, total	mg/l	0.015	0.002	0.009	ND	0.004	ND	0.002	0.003	0.002
Magnesium, total	mg/l	--	1.94	3	2	1.9	1.79	1.81	1.96	2.18
Manganese, total	mg/l	--	0.049	0.048	ND	0.032	0.015	0.04	0.012	0.008
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.519	ND	1.4	0.962	0.85	1.08	0.628	ND
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	1.88	2.4	2.4	1.92	1.94	2.04	2.44	2.52
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.044	0.052	0.06	0.021	0.021	0.015	0.065	0.038
Alkalinity, Total	mg/L	--	22	ND	23	15	16	21	16	20
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	11	ND	10	ND	ND	ND
Chloride	mg/l	--	3.26	4	4	6.46	3.84	3.64	2.78	6.22
Hardness	mg/l	--	35	40	32	28	19	19	23	23.2
Nitrate/Nitrite-N	mg/L	10	0.89	ND	0.14	0.315	0.16	0.096	0.09	0.57
pH	pH_Units	--	6.32 units	6.68 units	6.37 units	6.03 units	6.44 units	6.1 units	6.03 units	5.93 units
Specific Conductance	umhos/cm	--	--	50	64.5	53.9	45	41.3	45.7	57.7
Sulfate	mg/l	--	ND	ND	ND	0.72	0.77	ND	ND	ND
Total Dissolved Solids	mg/L	--	32	46	77	37	32	45	21	44
Turbidity	NTU	--	17	31	10	3.8	11	7.9	4.2	2.3

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	11/18/2000	12/14/2000	6/5/2001	11/14/2001	6/13/2002	11/7/2002	6/19/2003	12/2/2003
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.01	0.019	0.013	0.017	0.014	0.011	0.01	0.01
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.007	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	5.19	8.48	6.12	6.1	7.25	7.22	4.83	7.16
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.004	ND	0.006	0.014	0.004	0.008	ND
Iron, total	mg/l	--	0.131	ND	0.343	ND	0.014	0.018	ND	ND
Lead, total	mg/l	0.015	ND	0.004	0.002	ND	ND	ND	0.003	ND
Magnesium, total	mg/l	--	2.16	3.02	2.68	2.95	3.19	3.32	2.41	2.97
Manganese, total	mg/l	--	0.017	0.089	0.014	0.008	0.014	0.009	0.01	0.006
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	0.00021	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.641	1.24	1.01	0.902	1.54	1.33	0.549	1.05
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.11	2.5	2.6	2.58	2.61	2.7	2.65	2.32
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.016	0.036	0.016	0.034	0.031	0.012	0.03	0.015
Alkalinity, Total	mg/L	--	22	30	22	22	25	26	23	28
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.6	8.02	4.8	6.33	6.13	6.23	4.05	4.47

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	11/18/2000	12/14/2000	6/5/2001	11/14/2001	6/13/2002	11/7/2002	6/19/2003	12/2/2003
Hardness	mg/l	--	22.1	36.2	27.9	29.4	30.1	33	24.5	28.8
Nitrate/Nitrite-N	mg/L	10	0.24	0.48	ND	0.302	0.839	0.691	0.566	0.566
pH	pH_Units	--	5.95 units	6.37 units	5.53 units	5.88 units	5.85 units	11.3 units	6.21 units	7.2 units
Specific Conductance	umhos/cm	--	47.3	69.2	85.5	72.3	84.4	85.2	58.4	65.8
Sulfate	mg/l	--	ND	ND	ND	ND	2.52	ND	0.997	0.567
Total Dissolved Solids	mg/L	--	33	101	37	40	43	58	27	67
Turbidity	NTU	--	3	25.3	6.2	25	2	2.1	1.5	1.2

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	6/23/2004	10/22/2004	7/21/2005	11/3/2005	3/17/2006	9/13/2006	2/22/2007	8/15/2007
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	0.002
Barium, total	mg/l	2	0.01	0.01	0.011	0.011	0.011	ND	0.011	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	5.98
Calcium, total	mg/l	--	6.46	6.9	--	--	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.006	ND	0.005	0.009	ND	ND	ND	ND
Iron, total	mg/l	--	0.012	0.294	2.16	0.09	ND	0.051	0.05	0.229
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	2.79	2.75	2.46	2.33	2.57	2.41	2.53	2.44
Manganese, total	mg/l	--	ND	0.011	0.018	0.007	ND	ND	ND	0.013
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	--	--	--
Potassium, total	mg/l	--	ND	1.34	0.648	0.6	0.688	--	--	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.26	2.37	2.62	2.02	2.2	--	--	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.011	0.023	0.018	0.012	0.007	0.009	0.013	0.019
Alkalinity, Total	mg/L	--	23	25	22 mg/L as CaCO3	24 mg/L as CaCO3	24 mg/L as CaCO3	22 mg/L as CaCO3	24 mg/L as CaCO3	21 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	12	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.14	4	4.24	4.04	3.98	4.13	4.46	3.74
Hardness	mg/l	--	30.1	28	24.4	25.4	26.5	24.7	25.3	24.9
Nitrate/Nitrite-N	mg/L	10	0.37	0.35	0.44 mg/L as N	0.4 mg/L as N	--	--	--	--
pH	pH_Units	--	5.85 units	7.44 units	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	53.1	78	--	--	--	--	--	--
Sulfate	mg/l	--	0.92	0.55	0.93	0.92	1.25	1.28	1	0.96
Total Dissolved Solids	mg/L	--	39	35	38	43	47	41	34	47
Turbidity	NTU	--	1.2	0.58	1.4	1.4	3.1	4.3	4.8	1.7

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/7/2008	8/5/2008	2/18/2009	8/18/2009	1/19/2010	9/9/2010	1/5/2011	7/28/2011
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.01	0.009	0.011	0.01	0.01	0.011	0.012	0.011
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.002	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	5.82	5.92	8.44	9.43	7.8	8.56	8.52
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.004	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.115	ND	ND	ND	ND	ND	ND	0.073
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	--	2.77	2.66	3.53	3.79	3.25	3.6	3.56
Manganese, total	mg/l	--	0.008	0.002	0.004	ND	ND	ND	0.005	0.006
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.002	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	0.613	0.627	0.62	0.654	0.518	0.661	0.671
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/7/2008	8/5/2008	2/18/2009	8/18/2009	1/19/2010	9/9/2010	1/5/2011	7/28/2011
Sodium, Total	mg/L	--	--	1.9	2.01	1.97	2.03	2.13	2.47	2.23
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.006	0.005	0.017	0.011	ND	0.117	0.006	ND
Alkalinity, Total	mg/L	--	19 mg/L as CaCO3	26 mg/L as CaCO3	26 mg/L as CaCO3	31.9 mg/L as CaCO3	36 mg/L as CaCO3	30 mg/L as CaCO3	28 mg/L as CaCO3	32 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.06	4	4.47	4.08	4.77	4.05	4.03	4.13
Hardness	mg/l	--	20.7 mg/L as CaCO3	25.9 mg/L as CaCO3	35.4 mg/L as CaCO3	35.6 mg/L as CaCO3	39.1 mg/L as CaCO3	32.8 mg/L as CaCO3	36.2 mg/L as CaCO3	36 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	ND	0.88	0.33	1.07	1.31	1.1	0.77	1.14
pH	pH_Units	--	--	--	--	--	--	5.85 pH Units	6.03 pH Units	6.46 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	94 umhos @ 25°C	85 umhos @ 25°C	89 umhos @ 25°C
Sulfate	mg/l	--	0.45	ND	ND	1.57	1.63	1.12	1.01	1.2
Total Dissolved Solids	mg/L	--	46	33	40	46	52	57	30	35
Turbidity	NTU	--	--	--	--	--	0.37	0.36	1.2	0.73

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/22/2012	8/20/2012	1/9/2013	8/29/2013	2/4/2014	8/5/2014	2/13/2015	8/19/2015
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.011	0.0105	0.0093	0.0103	0.0111	0.0108	0.0113	0.0106
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	8.51	7.04	7.68	7.5	7	6.83	8.22	8.1
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	0.0509	ND	ND	0.0699	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	3.65	3.13	3.29	3.39	2.97	3.19	3.32	3.54
Manganese, total	mg/l	--	ND	ND	ND	ND	0.0115	ND	0.0049	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.605	0.613	0.571	0.564	0.521	0.54	0.642	0.616
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	0.0031	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.21	2.16	1.96	2.13	1.71	2.04	1.98	2.11
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	0.0143	0.0119	0.0128	0.0145	0.007	0.0133	0.0091
Alkalinity, Total	mg/L	--	30 mg/L as CaCO3	22.9	28	26.1	28.7	26.4	30.3	26.6
Ammonia-N, Low Level	mg/L	--	0.21	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.43	4.43	4.42	4.63	4.19	3.83	4.29	4.54
Hardness	mg/l	--	36.2 mg/L as CaCO3	30.5	32.7	32.7	29.7	30.2	20.5	34.8
Nitrate/Nitrite-N	mg/L	10	0.76	0.549	0.499	0.462	0.44	0.305	0.371	0.418
pH	pH_Units	--	6.44 pH Units	5.98 units	6 units	6.3 units	5.82 units	5.87 units	5.78 units	5.7 units
Specific Conductance	umhos/cm	--	84 umhos @ 25°C	68.8 umhos	127.2 umhos	69 umhos	103.5 umhos	85.7 umhos	78.5 umhos	76.5
Sulfate	mg/l	--	1.39	ND	1.6	1.29	1.06	ND	ND	1.03
Total Dissolved Solids	mg/L	--	113	41	29	57	58	55	41	31
Turbidity	NTU	--	0.36	0.358	0.557	0.376	0.535	0.279	0.861	0.352

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/18/2016	8/2/2016	1/11/2017	7/18/2017	1/24/2018	7/10/2018	2/15/2019	8/15/2019
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND U	0.00081 J	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND U	0.0012 J	ND	ND
Barium, total	mg/l	2	0.0107	0.0104	0.0064	0.0104	0.011	0.019	0.011	0.011
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND U	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND U	ND	ND	ND
Calcium, total	mg/l	--	9.51	7.57	7.62	9.36	7.1	11.7	6.9	8.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.00078 J	0.035	0.0011 J	0.0011 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND U	0.003 J	ND	ND
Copper, total	mg/l	1.3	0.0219	ND	ND	ND	0.0034 J	0.011	ND	ND
Iron, total	mg/l	--	ND	0.118 J	ND	ND	0.084	2	ND	ND

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Parameter Name	Units	MCL	2/18/2016	8/2/2016	1/11/2017	7/18/2017	1/24/2018	7/10/2018	2/15/2019	8/15/2019
Lead, total	mg/l	0.015	ND	0.00026 J	ND	ND	ND U	0.0014 J	ND	ND
Magnesium, total	mg/l	--	4.03	3.27	3.16	4.03	3.3	5.9	3.2	3.9
Manganese, total	mg/l	--	0.0025	0.0078	ND	0.0061	0.0038 J	0.015	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND U	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND U	0.061	ND	ND
Potassium, total	mg/l	--	0.589	0.646	0.557	0.587	0.56	0.67	0.54	0.58
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND U	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND U	ND	ND	ND
Sodium, Total	mg/L	--	2.12	2.19	1.93	2.18	2.1	2.5	2.1	2.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND U	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	ND	0.0024 J	0.0071	0.0058	0.005 J
Alkalinity, Total	mg/L	--	30.9	26.2	26.6	33.1	32	43	32	37
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	0.033 J	0.794	0.135	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	6 J	ND	ND	5 J	ND	17	ND
Chloride	mg/l	--	4.54	4.67	4.37	5.35	6	9.6	5.3	6
Hardness	mg/l	--	40.3	32.4	32.1	39.9	31.5	53.3	30.3	37.7
Nitrate/Nitrite-N	mg/L	10	0.47	0.482	0.461	0.579	0.62	0.82	0.48	0.4
pH	pH_Units	--	6.1 units	5.7 units	5.43 units	6.77 units	6.76	6.96	6.59	6.94
Specific Conductance	umhos/cm	--	120	71	85	88	72	114	71	86
Sulfate	mg/l	--	ND	1.58	1.5	1.91	1.5 J	2.3	1.6 J	1.9 J
Total Dissolved Solids	mg/L	--	41	30	43	45	60	131	106	66
Turbidity	NTU	--	0.737	1.75	0.503	2.58	1.51	14.3	ND	1.15

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/18/2020	8/26/2020	3/15/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.01	0.011	0.01	0.01	0.013	0.013	0.014	0.012
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	9	8.1	7.9	7.1	11.8	10.6	10.8	9.3
Chromium, total	mg/l	0.1	0.0016 J	ND	ND	ND	ND	ND	0.0011 J	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	0.002 J	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.043 J	ND	0.074	0.22	0.21	0.35	0.076
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	0.00096 J	ND
Magnesium, total	mg/l	--	3.8	3.5	3.7	3.4	4.2	4.3	4.3	3.8
Manganese, total	mg/l	--	ND	0.0035 J	ND	ND	0.028	0.023	0.06	0.014
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	0.004 J	ND
Potassium, total	mg/l	--	0.56	0.6	0.74	0.58	0.7	0.65	0.62	0.59
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.3	2.2	2.5	2.4	2.6	2.4	2.5	2.4
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0022 J	0.0019 J	0.0026 J	0.0055 J	ND	ND	0.021	ND
Alkalinity, Total	mg/L	--	41	33	32	29	39	40	54	39
Ammonia-N, Low Level	mg/L	--	ND	0.03 J	ND	0.03 J	0.02 J	0.03 J	0.01 J	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	18	13 J	ND	ND	ND	ND	76
Chloride	mg/l	--	4.7	6.3	7	7.6	6.6	8.4	6.4	6.9
Hardness	mg/l	--	38	34.9	35.1	31.7	46.9	43.9	44.6	39
Nitrate/Nitrite-N	mg/L	10	0.28	0.48	0.62	0.64	0.69 J	0.5	0.52	ND
pH	pH_Units	--	7.2	6.82	7.08	6.54	7.28	7.86	7.75	7.68
Specific Conductance	umhos/cm	--	96	90	87	81	119	102	104	104
Sulfate	mg/l	--	0.92 J	1.4 J	1.9 J	2.4	2	3.3	ND	2
Total Dissolved Solids	mg/L	--	64	62	99	66	58	52	73	66
Turbidity	NTU	--	0.11	0.54	0.14	0.16	0.5	0.35	4.3	1.1

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/24/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND

Location ID: M-7
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/24/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Barium, total	mg/l	2	ND	0.012	0.013	0.013	0.0098
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	5.7	9.9	8.9	10.3	9.7
Chromium, total	mg/l	0.1	ND	ND	ND	0.00085 J	0.00075 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.002 J	ND	ND
Iron, total	mg/l	--	ND	ND	0.14	0.082	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.4	4.3	3.9	4.4	4.2
Manganese, total	mg/l	--	ND	ND	0.013	0.013	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	0.0032 J	ND
Potassium, total	mg/l	--	0.34	0.75	0.61	0.65	0.66
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.2	2.6	2.6	2.7	2.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	0.002 J	0.0062	0.0029 J	ND
Alkalinity, Total	mg/L	--	38	38	44	39	34
Ammonia-N, Low Level	mg/L	--	0.04 J	0.03 J	0.02 J	0.01 J	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	9 J	ND	ND
Chloride	mg/l	--	7.1	8	7.6	7.9	8.9
Hardness	mg/l	--	36.5	42.2	38.1	40.5	35.9
Nitrate/Nitrite-N	mg/L	10	ND	0.61	ND	ND	0.068 J
pH	pH_Units	--	7.39	7.75	7.8	7.55	7.24
Specific Conductance	umhos/cm	--	98	103	89	111	102
Sulfate	mg/l	--	2.1	1.9 J	ND	ND	1.5
Total Dissolved Solids	mg/L	--	60	41	37	71	51
Turbidity	NTU	--	0.35	0.3	0.45	1.4	2.6

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-8									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**5/14/1996**	**5/15/1996**	**5/16/1996**	**5/17/1996**	**11/7/1996**	**4/17/1997**	**10/30/1997**	**6/25/1998**
Acetone	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	–	–	–	–
Dibromomethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	–	–	–	–	–	–	–	–	–
1,1-Dichloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	5.6 µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	–	–	–	–	–	–	–	–	–
1,2-Dichloropropane	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	–	–	–	–	–	–	–	–	–
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	–	–	–	ND µg/L	ND µg/L	1.6 µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/25/1998
Vinyl Chloride	ug/L	2	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	1 µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/8/1998	5/25/1999	6/30/2000	11/17/2000	12/13/2000	6/8/2001	11/16/2001	6/13/2002
Acetone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	–	–	–	–
Dibromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	–	0.9 µg/L	ND µg/L	0.8 µg/L	1.2 µg/L	ND µg/L	ND µg/L	1.8 µg/L	1 µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	1.6 µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	–	–	–	ND µg/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID:	M-8									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**12/8/1998**	**5/25/1999**	**6/30/2000**	**11/17/2000**	**12/13/2000**	**6/8/2001**	**11/16/2001**	**6/13/2002**
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID:	M-8									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**11/8/2002**	**6/19/2003**	**12/3/2003**	**6/25/2004**	**10/22/2004**	**7/19/2005**	**11/2/2005**	**3/17/2006**
Acetone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Acrylonitrile	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromochloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Butanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Disulfide	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND

Location ID:	M-8									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**11/8/2002**	**6/19/2003**	**12/3/2003**	**6/25/2004**	**10/22/2004**	**7/19/2005**	**11/2/2005**	**3/17/2006**
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethane	ug/L	–	2 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	0.8	0.9	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	0.6 µg/L	1.3 µg/L	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Hexanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Iodomethane	ug/l	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Vinyl Acetate	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	9/12/2006	8/15/2007	2/5/2008	8/5/2008	2/17/2009	8/18/2009	1/21/2010	9/8/2010
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	0.5	0.8	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	–	–	–	–	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	–	–	–	–	ND	ND	ND	ND

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	9/12/2006	8/15/2007	2/5/2008	8/5/2008	2/17/2009	8/18/2009	1/21/2010	9/8/2010
Total Xylenes	ug/L	10000	ND	ND	ND	ND	–	–	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	7/27/2011	2/23/2012	8/21/2012	1/9/2013	8/29/2013	2/7/2014	8/5/2014
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-8									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**1/6/2011**	**7/27/2011**	**2/23/2012**	**8/21/2012**	**1/9/2013**	**8/29/2013**	**2/7/2014**	**8/5/2014**
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID:	M-8									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/11/2015**	**8/17/2015**	**2/19/2016**	**8/3/2016**	**1/11/2017**	**7/20/2017**	**1/26/2018**	**7/13/2018**
Acetone	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Acrylonitrile	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Benzene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
Bromochloromethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Bromomethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
2-Butanone	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Carbon Disulfide	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
Chlorobenzene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND U	ND
Chloroethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Chloromethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND U	ND	ND	ND	ND U	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND U	ND	ND	ND	ND U	ND
Dibromomethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND U	ND	ND	ND	ND	ND

Location ID:	M-8									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/11/2015**	**8/17/2015**	**2/19/2016**	**8/3/2016**	**1/11/2017**	**7/20/2017**	**1/26/2018**	**7/13/2018**
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND U	ND	ND	ND	ND U	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND U	ND	ND	ND	ND U	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND U	ND	ND	ND	ND U	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND U	ND
Methylene Chloride	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Ethylbenzene	ug/L	700	ND	ND	ND U	ND	ND	ND	ND U	ND
2-Hexanone	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Iodomethane	ug/l	–	ND	ND	ND U	ND	ND	ND	ND U	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Styrene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND U	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Tetrachloroethene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
Toluene	ug/L	1000	ND	ND	ND U	ND	ND	ND	ND U	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND U	ND	ND	ND	ND U	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
Trichloroethene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND U	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND U	ND	ND	ND	ND U	ND
Vinyl Acetate	ug/L	–	ND	ND	–	ND	ND	ND	ND U	ND
Vinyl Chloride	ug/L	2	ND	ND	ND U	ND	ND	ND	ND U	ND
o-Xylene	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND U	ND
m+p Xylenes	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND U	ND
Total Xylenes	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND U	ND
Bromodichloromethane	ug/L	80	ND	ND	ND U	ND	ND	ND	ND U	ND
Dibromochloromethane	ug/L	80	ND	ND	ND U	ND	ND	ND	ND U	ND
Bromoform	ug/L	80	ND	ND	ND U	ND	ND	ND	0.44 J	ND
Chloroform	ug/L	80	ND	ND	ND U	ND	ND	ND	ND U	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/19/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022
Acetone	ug/L	–	ND	ND	4.9 J	ND	4.5 J	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	0.65 J	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	0.29 J	ND	0.36 J	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	0.5 J	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	0.29 J
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	0.6 J	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	0.53 J	ND	ND	ND	ND	0.53 J
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/19/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/7/2023	7/20/2023	1/24/2024	8/27/2024	2/5/2025	7/24/2025	1/8/2026
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	0.43 J	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	0.23 J	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/7/2023	7/20/2023	1/24/2024	8/27/2024	2/5/2025	7/24/2025	1/8/2026
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	5.69	7	4.42	17.3
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	ND U	ND U	ND U	1.66
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	ND U	ND U	1.68 U	3.58
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	ND U	ND U	2.35	5.07

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/25/1998
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.012	0.012	0.008	0.009	0.0082	0.004	0.008	0.008
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	0.0009	0.001	ND	ND
Calcium, total	mg/l	--	5.36	5.65	5.6	4.09	4.6	3.4	4.97	4.66
Chromium, total	mg/l	0.1	0.002	0.003	ND	ND	0.0012	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.005	0.007	ND	0.011	ND	0.001	ND	ND
Iron, total	mg/l	--	1.66	ND	ND	0.056	0.76	ND	ND	0.011
Lead, total	mg/l	0.015	0.004	0.002	ND	0.002	ND	ND	ND	ND
Magnesium, total	mg/l	--	2.55	2.47	2.68	2.67	2.8	2.1	3.65	3.7
Manganese, total	mg/l	--	ND	0.018	0.01	0.023	ND	ND	ND	0.013
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	0.012	ND	ND	ND	ND	0.012	ND
Potassium, total	mg/l	--	0.876	4.79	0.504	0.692	ND	ND	0.481	ND
Selenium, total	mg/l	0.05	ND	ND	ND	0.003	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	1.59	1.62	1.4	1.53	2.3	1	1.83	3.14
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.013	0.028	0.007	0.038	ND	0.03	0.011	0.01
Alkalinity, Total	mg/L	--	20	20	21	17	ND	13	31	12
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	29	ND	ND	ND
Chloride	mg/l	--	4.39	3.29	2.72	3.16	4	3.5	7.45	4.65
Hardness	mg/l	--	25	25	28	25	30	29	40	27
Nitrate/Nitrite-N	mg/L	10	1.34	1.62	1.46	1.33	0.89	0.39	1.47	0.93
pH	pH_Units	--	6.59 units	6.71 units	6.39 units	6.64 units	6.5 units	6.34 units	6.09 units	6.54 units
Specific Conductance	umhos/cm	--	50	40	40	--	40	54.4	18.1	50
Sulfate	mg/l	--	10.2	11.2	11.4	12	ND	6.3	2.02	2.55
Total Dissolved Solids	mg/L	--	59	45	61	10.2	47	45	41	64
Turbidity	NTU	--	78	41	22	ND	16	34	15	37

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/8/1998	5/25/1999	6/30/2000	11/17/2000	12/13/2000	6/8/2001	11/16/2001	6/13/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.004	0.005	0.003	ND	ND	0.005	0.004	0.003
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	5.15	4.73	4.47	5.09	5.89	5.12	6.31	5.93
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	0.006	0.005	0.011
Iron, total	mg/l	--	ND	0.684	ND	0.13	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	4.36	4.19	4	4	5.3	4.25	5.6	4.3
Manganese, total	mg/l	--	ND	0.006	ND	0.007	ND	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.588	ND	ND	0.57	0.565	0.947	0.58	0.194
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	1.81	1.77	1.37	1.42	1.82	2.31	2.47	2.26
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.008	0.022	0.006	0.014	0.006	0.017	0.018	0.03
Alkalinity, Total	mg/L	--	20	13	12	11	15	20	16	16
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/8/1998	5/25/1999	6/30/2000	11/17/2000	12/13/2000	6/8/2001	11/16/2001	6/13/2002
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	8.09	4.7	7.8	10.9	11.3	7.49	14.5	11.9
Hardness	mg/l	--	34	30	28	32.2	37.4	32.7	40	31.5
Nitrate/Nitrite-N	mg/L	10	1.35	0.63	1.03	1.8	0.653	1.4	1.07	1.07
pH	pH_Units	--	5.9 units	6.08 units	6.41 units	6.05 units	6.06 units	5.87 units	5.97 units	6.29 units
Specific Conductance	umhos/cm	--	62.5	52.9	51	73.7	69.4	64.2	99.1	87.8
Sulfate	mg/l	--	1.66	1.45	3.45	1.73	1.79	ND	2.36	3.33
Total Dissolved Solids	mg/L	--	63	70	13	63	35	64	48	41
Turbidity	NTU	--	10	14	7.3	8.5	4.2	7.7	2.6	6.6

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	11/8/2002	6/19/2003	12/3/2003	6/25/2004	10/22/2004	7/19/2005	11/2/2005	3/17/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	ND	ND	ND	0.004	0.004	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	6.49	5.56	4.46	6.4	6.38	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.003	0.031	ND	0.005	0.005	0.007	0.005	ND
Iron, total	mg/l	--	0.058	0.106	0.061	0.388	ND	0.099	0.018	0.737
Lead, total	mg/l	0.015	ND	0.002	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.65	4.33	3.76	4.03	5.94	4.01	4.83	3.25
Manganese, total	mg/l	--	ND	0.008	ND	0.008	0.006	ND	0.005	0.029
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.683	0.7	1.17	ND	0.784	ND	0.405	ND
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.56	2.18	1.71	1.9	3.28	1.78	2.02	1.59
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.008	0.046	0.008	0.01	0.007	0.014	0.009	0.007
Alkalinity, Total	mg/L	--	16	17	15	19	18	17 mg/L as CaCO3	19 mg/L as CaCO3	16 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	15.7	8.14	6.19	22.2	13.6	8.99	12.3	5.79
Hardness	mg/l	--	40.8	32.6	26.7	29.9	42	30.2	37.1	23.2
Nitrate/Nitrite-N	mg/L	10	0.885	0.58	0.466	4.88	0.5	0.43 mg/L as N	0.53 mg/L as N	--
pH	pH_Units	--	12.2 units	6.85 units	8.1 units	5.55 units	6.36 units	--	--	--
Specific Conductance	umhos/cm	--	142.8	63.1	60.4	89.8	108.8	--	--	--
Sulfate	mg/l	--	1.08	2.51	1.95	21.9	1.56	1.84	2.31	2.67
Total Dissolved Solids	mg/L	--	69	34	55	55	43	68	55	58
Turbidity	NTU	--	1.9	6.5	8.9	9.5	3.5	4.9	5.3	48.3

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	9/12/2006	8/15/2007	2/5/2008	8/5/2008	2/17/2009	8/18/2009	1/21/2010	9/8/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	0.004	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	4.01	3.64	3.66	3.61	6.32
Chromium, total	mg/l	0.1	0.005	ND	ND	0.005	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.006	0.008	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	1.27	2.51	0.073	0.083	ND	ND	0.077	ND
Lead, total	mg/l	0.015	ND	0.003	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	4.55	5.85	--	3.58	3.4	2.86	3	5.39
Manganese, total	mg/l	--	0.045	0.097	0.003	ND	ND	ND	0.003	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	9/12/2006	8/15/2007	2/5/2008	8/5/2008	2/17/2009	8/18/2009	1/21/2010	9/8/2010
Nickel, total	mg/l	--	--	--	0.003	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	--	--	ND	ND	ND	0.17	0.209
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	--	--	--	1.62	1.54	1.4	1.61	2.77
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.033	0.028	0.006	0.01	0.003	0.015	ND	--
Alkalinity, Total	mg/L	--	18 mg/L as CaCO3	23 mg/L as CaCO3	15 mg/L as CaCO3	16 mg/L as CaCO3	14 mg/L as CaCO3	14.9 mg/L as CaCO3	14 mg/L as CaCO3	22 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	12.5	15.8	10.2	8.14	6.17	6.58	6.41	15.8
Hardness	mg/l	--	32.8	43.1	29.7 mg/L as CaCO3	24.7 mg/L as CaCO3	23.1 mg/L as CaCO3	20.9 mg/L as CaCO3	21.4 mg/L as CaCO3	38 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	--	--	0.81	0.84	ND	0.81	0.76	0.96
pH	pH_Units	--	--	--	--	--	--	--	--	5.77 pH Units
Specific Conductance	umhos/cm	--	95 umhos at 25C	--	--	--	--	--	--	160 umhos @ 25°C
Sulfate	mg/l	--	1.71	2.34	1.82	1.54	1.33	2.16	2.57	2.24
Total Dissolved Solids	mg/L	--	74	148	55	33	40	41	42	83
Turbidity	NTU	--	42	68	--	--	--	--	--	0.16

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	7/27/2011	2/23/2012	8/21/2012	1/9/2013	8/29/2013	2/7/2014	8/5/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	4.65	4.79	3.87	4.53	3.79	5.3	3.85	4.29
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.069	ND	0.072	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	4.15	4.05	3.43	4.05	3.36	4.43	3.53	3.66
Manganese, total	mg/l	--	0.003	0.004	0.002	0.003	ND	ND	0.002	0.0027
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.05	2.03	1.86	2.05	1.69	2.34	1.87	1.89
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.006	ND	ND	0.0136	0.0128	0.0135	0.0161	0.0056
Alkalinity, Total	mg/L	--	14.3 mg/L as CaCO3	16 mg/L as CaCO3	14 mg/L as CaCO3	15.9	13.8	16.5	14.7	24.2
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	16	ND	ND	ND	ND	ND
Chloride	mg/l	--	8.53	8.01	6.27	8.97	7.38	9.44	6.95	6.72
Hardness	mg/l	--	28.7 mg/L as CaCO3	28.7 mg/L as CaCO3	23.8 mg/L as CaCO3	28	23.3	31.5	24.1	25.8
Nitrate/Nitrite-N	mg/L	10	0.75	0.96	0.58	0.706	0.359	0.404	0.369	0.383
pH	pH_Units	--	5.59 pH Units	6.13 pH Units	6.73 pH Units	5.81 units	5.94 units	6.23 units	5.76 units	5.72 units
Specific Conductance	umhos/cm	--	76.9 umhos @ 25°C	75 umhos @ 25°C	60 umhos @ 25°C	70.7 umhos	96.6 umhos	70.1 umhos	89.1 umhos	78.4 umhos
Sulfate	mg/l	--	1.77	1.93	2.37	1.75	2.41	2.2	1.78	1.56
Total Dissolved Solids	mg/L	--	38	33	38	45	41	62	38	46
Turbidity	NTU	--	0.48	0.53	0.63	0.618	0.399	0.26	0.228	1.03

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/11/2015	8/17/2015	2/19/2016	8/3/2016	1/11/2017	7/20/2017	1/26/2018	7/13/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND U	ND
Arsenic, total	mg/l	0.01	ND	ND	0.000205 B	ND	ND	ND	ND U	ND
Barium, total	mg/l	2	ND	ND	0.0012 B	ND	ND	ND	0.0023 J	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND U	ND

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/11/2015	8/17/2015	2/19/2016	8/3/2016	1/11/2017	7/20/2017	1/26/2018	7/13/2018
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND U	ND
Calcium, total	mg/l	--	4.29	4.34	4.45	4.56	5.72	4.64	6.1	3.9
Chromium, total	mg/l	0.1	ND	ND	0.000505 B	ND	ND	ND	ND U	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Copper, total	mg/l	1.3	ND	ND	0.0025 B	ND	ND	ND	ND U	ND
Iron, total	mg/l	--	0.0652	ND	0.0225 B	ND	ND	ND	ND U	0.068
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND U	ND
Magnesium, total	mg/l	--	3.77	3.92	3.86	3.98	4.79	4.18	5.5	3.7
Manganese, total	mg/l	--	0.0037	ND	0.002	ND	ND	ND	0.0035 J	0.0025 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Nickel, total	mg/l	--	ND	ND	0.000268 B	ND	ND	ND	ND U	ND
Potassium, total	mg/l	--	ND	ND	0.312 B	0.42	1.03	0.421	0.55	0.35
Selenium, total	mg/l	0.05	0.0023	ND	ND	ND	ND	ND	ND U	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Sodium, Total	mg/L	--	1.88	2.02	2.05	2.05	2.77	2.09	3	2
Thallium, total	mg/l	0.002	ND	ND	0.000274 B	ND	ND	ND	ND U	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Zinc, total	mg/l	--	0.0131	ND	ND	ND	ND	ND	0.0027 J	ND
Alkalinity, Total	mg/L	--	15.8	13.8	13.3	13.9	17.7	15.6	21	17
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	4
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	9 J
Chloride	mg/l	--	7.94	7.27	6.8	7.65	11.9	7.79	15.3	8.7
Hardness	mg/l	--	10.7	27	27	27.8	34	28.8	37.7	25.2
Nitrate/Nitrite-N	mg/L	10	0.437	0.435	0.644	0.446	0.712	0.466	0.8	0.5
pH	pH_Units	--	6 units	5.51 units	5.75 units	5.64 units	5.37 units	7.18 units	6.77	6.35
Specific Conductance	umhos/cm	--	65.5 umhos	69	94	67	103	71	91	69.7
Sulfate	mg/l	--	ND	ND	1.65	2.36	2.38	2.42	2.6	3
Total Dissolved Solids	mg/L	--	33	25	31	32	53	36	32	42
Turbidity	NTU	--	0.563	0.713	0.602	0.288	0.329	2.63	0.49	0.54

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/19/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022
Antimony, total	mg/l	0.006	ND	ND	ND	0.0017 J	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.63	ND	ND	ND	ND	ND	0.002 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	3.5	4.1	4.1	5	4.7	4.2	4.4	6.9
Chromium, total	mg/l	0.1	ND	0.002 J	ND	0.00081 J	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.11	0.026 J	0.031 J	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	3.3	4	3.6	4.6	4.3	3.9	4	7
Manganese, total	mg/l	--	0.0024 J	0.0033 J	ND	ND	ND	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.28	0.47	0.27	0.32	0.27	0.33	0.3	0.39
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	0.0013 J	ND	ND	ND
Sodium, Total	mg/L	--	1.7	2.3	2	2.8	2.2	2.1	2.1	4.8
Thallium, total	mg/l	0.002	ND	ND	0.00041 J	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.006	0.011	0.0025 J	0.0028 J	0.0025 J	0.003 J	0.002 J	ND
Alkalinity, Total	mg/L	--	25	16	19	19	20	18	16	25
Ammonia-N, Low Level	mg/L	--	0.078 J	ND	ND	0.03 J	0.04 J	0.02 J	0.02 J	0.02 J
Chemical Oxygen Demand (COD)	mg/L	--	14 J	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	6.9	7.1	7.2	12	10.6	7.8	9.2	17.6
Hardness	mg/l	--	22.1	26.7	25.2	31.1	29.1	26.3	27.3	45.9
Nitrate/Nitrite-N	mg/L	10	0.44	0.4	0.42	0.82	0.68	0.46	0.69 J	1.1
pH	pH_Units	--	6.49	7.06	7.1	6.52	7.13	6.48	7.03	7.64
Specific Conductance	umhos/cm	--	60	66	70	86	82	58	74	127
Sulfate	mg/l	--	2.5	2.4	1.9 J	2.3	2.2	2 J	4.8	2.6

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/19/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022
Total Dissolved Solids	mg/L	--	84	66	62	81	ND	46	41	79
Turbidity	NTU	--	0.24	0.22	0.29	0.3	ND	0.15	0.17	ND

Location ID: M-8
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/7/2023	7/20/2023	1/24/2024	8/27/2024	2/5/2025	7/24/2025	1/8/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.025	0.002 J	0.013	ND	ND	0.0019 J	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	14.3	5.1	10.8	4.9	5.2	4.6	7.8
Chromium, total	mg/l	0.1	0.0021 J	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0031 J	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.021 J	ND	0.19	0.022 J	ND	ND	0.033 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	9.9	4.6	4.2	4.5	5.2	4.4	7.8
Manganese, total	mg/l	--	0.15	ND	0.025	0.0023 J	ND	0.0022 J	0.0041 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.011	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.4	0.32	0.64	0.39	0.35	0.28	0.43
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	10.5	3	2.5	2.6	2.8	2.5	6.4
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.027	0.006	ND	0.0024 J	ND	0.0023 J	0.0035 J
Alkalinity, Total	mg/L	--	29	21	23	22	19	18	29
Ammonia-N, Low Level	mg/L	--	0.08 J	0.01 J	0.01 J	0.58	0.46	0.19	ND
Chemical Oxygen Demand (COD)	mg/L	--	28	73	5 J	ND	ND	ND	ND
Chloride	mg/l	--	10	13.1	13.8	11.1	13.9	10.2	24.1
Hardness	mg/l	--	76.5	31.5	44.3	30.8	34.2	27.5	47.9
Nitrate/Nitrite-N	mg/L	10	0.64 J	0.62 J	0.85 J	0.7	0.85 J	0.61 J	1.4
pH	pH_Units	--	7.08	7.35	6.87	7.34	7.39	7.27	7.41
Specific Conductance	umhos/cm	--	79	91	98	82	90	79	145
Sulfate	mg/l	--	2.5	2.6	2.7	3.3	2.2	1.9 J	3.7
Total Dissolved Solids	mg/L	--	42	63	62	74	54	65	115
Turbidity	NTU	--	ND	0.5	ND	ND	0.95	1.4	1.4

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-9S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**5/14/1996**	**5/15/1996**	**5/16/1996**	**5/17/1996**	**11/7/1996**	**4/17/1997**	**10/30/1997**	**6/26/1998**
Acetone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	7.8 µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	--	--	--	ND µg/L	ND µg/L	1.7 µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/26/1998
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/9/1998	5/25/1999	11/19/1999	6/30/2000	12/13/2000	6/6/2001	11/14/2001	6/11/2002
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/9/1998	5/25/1999	11/19/1999	6/30/2000	12/13/2000	6/6/2001	11/14/2001	6/11/2002
Iodomethane	ug/l	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	3.8 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	11/8/2002	6/20/2003	12/3/2003	6/24/2004	10/22/2004	7/20/2005	11/4/2005	3/16/2006
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND

Location ID:	M-9S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**11/8/2002**	**6/20/2003**	**12/3/2003**	**6/24/2004**	**10/22/2004**	**7/20/2005**	**11/4/2005**	**3/16/2006**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	0.62 µg/L	ND	0.7	0.8
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	10/16/2006	8/13/2007	2/4/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010	9/8/2010
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	0.6	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	--	--	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	--	--	ND	ND

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	10/16/2006	8/13/2007	2/4/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010	9/8/2010
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	7/27/2011	2/21/2012	8/21/2012	1/10/2013	8/29/2013	2/7/2014	8/7/2014
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	7/27/2011	2/21/2012	8/21/2012	1/10/2013	8/29/2013	2/7/2014	8/7/2014
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/18/2015	2/18/2016	8/2/2016	1/11/2017	7/20/2017	1/25/2018	7/13/2018
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	3.6 J	5.5
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	0.24 J	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	0.58 J	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	0.1 J	ND	ND	ND U	ND

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/18/2015	2/18/2016	8/2/2016	1/11/2017	7/20/2017	1/25/2018	7/13/2018
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	0.41 J	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND U	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND U	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	1.6
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/18/2020	8/26/2020	3/11/2021	7/27/2021	3/1/2022	9/21/2022
Acetone	ug/L	--	ND	3.6 J	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-9S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/14/2019**	**8/14/2019**	**3/18/2020**	**8/26/2020**	**3/11/2021**	**7/27/2021**	**3/1/2022**	**9/21/2022**
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	0.27 J	0.32 J	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	0.69 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	0.37 J	0.44 J	0.31 J	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	0.59 J	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	0.36 J	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	0.62 J
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/18/2020	8/26/2020	3/11/2021	7/27/2021	3/1/2022	9/21/2022
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/8/2023	7/18/2023	1/25/2024	8/28/2024	2/5/2025	7/22/2025	1/8/2026
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	2.1	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-9S								
Number of Sampling Dates:	63								
Parameter Name	**Units**	**MCL**	**3/8/2023**	**7/18/2023**	**1/25/2024**	**8/28/2024**	**2/5/2025**	**7/22/2025**	**1/8/2026**
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	18	14	16.3	16.6
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	6.56	4.98	4.88	5.16
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	ND U	ND U	1.74 U	1.56
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	ND U	ND U	2.43	2.74
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	11.4	11.8	11.2	11

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/26/1998
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.034	0.028	0.027	0.028	ND	0.02	0.03	0.029
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	0.003	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	0.0009	ND	0.005	0.0031	ND	ND	ND
Calcium, total	mg/l	--	10.8	8.93	8.98	8.36	9	8.4	9.05	10.2
Chromium, total	mg/l	0.1	0.002	ND	ND	ND	0.0023	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	0.008	ND	0.009	ND	ND
Iron, total	mg/l	--	0.702	0.204	ND	0.04	ND	ND	ND	0.358
Lead, total	mg/l	0.015	0.016	0.005	0.004	0.004	0.006	ND	ND	ND
Magnesium, total	mg/l	--	8.29	7.84	7.84	6.96	6.5	6.3	6.44	5.86
Manganese, total	mg/l	--	0.006	0.011	0.006	0.029	ND	ND	0.01	0.014
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	0.013	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.924	1.02	0.735	0.779	ND	1.7	1.73	1.98
Selenium, total	mg/l	0.05	0.003	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	16.7	14.9	12.6	13.1	2	12	14.1	14.6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.076	0.231	0.248	0.151	ND	0.04	0.014	0.067
Alkalinity, Total	mg/L	--	21	21	13	14	ND	15	26	24
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	43.9	36.9	36.9	39.6	38	40	30.8	35.8
Hardness	mg/l	--	50	50	40	55	56	52	49	50
Nitrate/Nitrite-N	mg/L	10	2.25	2.27	2.25	2.23	1.3	1.3	1.56	1.59
pH	pH_Units	--	5.63 units	5.73 units	5.76 units	6 units	5.74 units	5.95 units	5.6 units	5.69 units
Specific Conductance	umhos/cm	--	160	160	150	0	160	187.9	51.3	150
Sulfate	mg/l	--	12.6	12.7	12.7	12.2	9	ND	8.53	10.3
Total Dissolved Solids	mg/L	--	132	130	110	81	110	103	100	110
Turbidity	NTU	--	12	2.3	1.1	5.3	2	1.7	4.7	6.9

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/9/1998	5/25/1999	11/19/1999	6/30/2000	12/13/2000	6/6/2001	11/14/2001	6/11/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.027	0.03	0.029	0.033	0.028	0.027	0.031	0.033
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	8.54	9	8.87	11.9	9.84	10.4	9.84	11.3
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	0.02
Iron, total	mg/l	--	ND	0.013	1.54	ND	0.116	0.133	0.15	0.141
Lead, total	mg/l	0.015	ND	0.003	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.79	6.17	5.87	6.8	6.54	6.92	6.46	6.74
Manganese, total	mg/l	--	ND	0.061	0.006	0.016	0.011	0.007	0.014	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.23	1.57	1.77	1.62	19.6	1.93	1.48	1.83
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	0.002	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	13.6	15.2	14.8	16.5	14.1	15.4	16.1	19.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.009	0.042	0.007	0.014	0.026	0.008	0.012	0.045
Alkalinity, Total	mg/L	--	24	15	27	26	20	20	28	20
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	12/9/1998	5/25/1999	11/19/1999	6/30/2000	12/13/2000	6/6/2001	11/14/2001	6/11/2002
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	11	ND	ND	ND	ND
Chloride	mg/l	--	31.9	31.5	36.3	0.871	30	35.3	42.3	55.6
Hardness	mg/l	--	46	52	46.9	58.1	53.3	55.3	51.8	52.1
Nitrate/Nitrite-N	mg/L	10	1.83	0.9	1.3	ND	0.967	1.2	1.22	1.39
pH	pH_Units	--	5.57 units	5.74 units	5.52 units	5.74 units	5.83 units	5.08 units	5.73 units	5.85 units
Specific Conductance	umhos/cm	--	140.4	151.3	146.7	170	149.2	280.4	195.3	249.6
Sulfate	mg/l	--	7.98	4.04	4.33	ND	9.4	3.72	5.15	5.55
Total Dissolved Solids	mg/L	--	107	93	128	80	97	126	104	142
Turbidity	NTU	--	4.1	11	2.3	3.8	2	2.8	4.2	2.1

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	11/8/2002	6/20/2003	12/3/2003	6/24/2004	10/22/2004	7/20/2005	11/4/2005	3/16/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.053	0.054	0.041	0.04	0.041	0.037	0.035	0.035
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	16.9	15.7	13.9	14.5	13	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.004	ND	0.01	0.004	0.003	0.005	0.003
Iron, total	mg/l	--	0.037	0.082	ND	0.387	0.14	0.103	0.01	1.88
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	9.7	10.1	8.02	7.98	7.36	6.86	1.08	5.85
Manganese, total	mg/l	--	ND	0.005	ND	0.008	0.01	0.007	0.006	0.161
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	2.54	2.61	2.36	3.05	3.65	2.41	0.541	1.97
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	35.4	39.6	32	30.9	27.7	22.8	1.56	17.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.008	0.012	0.013	0.043	0.007	0.012	0.02	0.007
Alkalinity, Total	mg/L	--	25	31	35	37	38	37 mg/L as CaCO3	35 mg/L as CaCO3	34 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	11	ND	ND	ND	ND
Chloride	mg/l	--	86.5	80.3	60.5	51.9	49.1	40.4	37.2	34.4
Hardness	mg/l	--	82.5	81	67	70.5	64	59.3	55.5	50.5
Nitrate/Nitrite-N	mg/L	10	0.869	1.1	1.1	0.97	1.05	1.13 mg/L as N	1.09 mg/L as N	--
pH	pH_Units	--	4.96 units	5.34 units	6.1 units	5.48 units	6.61 units	--	--	--
Specific Conductance	umhos/cm	--	353.1	297.3	185.5	245.2	318.7	--	--	--
Sulfate	mg/l	--	9.57	11.2	11.2	12	10.5	11.8	10.5	10.2
Total Dissolved Solids	mg/L	--	199	231	168	163	138	134	113	141
Turbidity	NTU	--	0.3	8.3	3.2	7.5	3.3	8	6.4	51.5

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Parameter Name	Units	MCL	10/16/2006	8/13/2007	2/4/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010	9/8/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	0.003	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.039	0.033	0.025	0.024	0.023	0.023	0.022	0.029
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	8.95	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	8.54	7.71	8	8.49	9.37
Chromium, total	mg/l	0.1	ND	0.25	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	0.006	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.043	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.143	2.51	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	0.009	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.89	5.36	--	5.14	5.05	4.83	5.12	5.93
Manganese, total	mg/l	--	0.302	0.152	ND	ND	ND	ND	ND	0.004
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter Name	Units	MCL	10/16/2006	8/13/2007	2/4/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010	9/8/2010
Nickel, total	mg/l	--	--	--	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	--	--	1.91	1.4	1.54	1.43	1.62
Selenium, total	mg/l	0.05	ND	0.002	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	--	--	--	13.1	12	11.8	11.3	14.5
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.01	0.029	0.006	0.003	0.016	0.008	ND	0.008
Alkalinity, Total	mg/L	--	35 mg/L as CaCO3	29 mg/L as CaCO3	26 mg/L as CaCO3	29 mg/L as CaCO3	28 mg/L as CaCO3	26.5 mg/L as CaCO3	29 mg/L as CaCO3	28 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	31.3	24.1	26	22.7	22.7	23.2	22.6	33.4
Hardness	mg/l	--	51.3	44.4	40.9 mg/L as CaCO3	42.5 mg/L as CaCO3	40.1 mg/L as CaCO3	39.9 mg/L as CaCO3	42.3 mg/L as CaCO3	47.8 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	--	--	1.86	1.82	0.69	0.93	1.74	1.41
pH	pH_Units	--	--	--	--	--	--	--	--	6.02 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	--	--	254 umhos @ 25°C
Sulfate	mg/l	--	9.13	9.87	6.71	6.75	6.23	5.96	6.52	6.53
Total Dissolved Solids	mg/L	--	115	129	136	116	78	95	91	108
Turbidity	NTU	--	57	33	--	--	--	--	ND	ND

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	1/6/2011	7/27/2011	2/21/2012	8/21/2012	1/10/2013	8/29/2013	2/7/2014	8/7/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.028	0.025	0.024	0.0219	0.0201	0.0208	0.0196	0.0206
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	10.6	9.25	9.37	8.65	8.26	9.44	8.34	9.52
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	0.0588	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	6.84	5.82	6.1	5.9	5.73	5.99	5.93	5.99
Manganese, total	mg/l	--	0.003	ND	ND	ND	ND	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.67	1.77	1.38	1.37	1.06	1.49	1.1	1.06
Selenium, total	mg/l	0.05	0.002	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	14.3	12.7	11.7	11.2	10.4	10.1	8.9	8.63
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	0.0163	0.0114	0.0115	0.0145	0.0068
Alkalinity, Total	mg/L	--	29.6 mg/L as CaCO3	27 mg/L as CaCO3	27 mg/L as CaCO3	26.2	26	26	28	92.4
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	11	ND	ND	96.3	ND	ND
Chloride	mg/l	--	27.8	21	20	19.8	18.5	18.5	17	19.9
Hardness	mg/l	--	54.5 mg/L as CaCO3	47.1 mg/L as CaCO3	48.5 mg/L as CaCO3	45.9	44.2	48.2	45.2	48.4
Nitrate/Nitrite-N	mg/L	10	2.54	2.24	3.02	2.38	1.6	1.48	1.29	1.35
pH	pH_Units	--	5.56 pH Units	6.03 pH Units	6.02 pH Units	5.94 units	5.9 units	6.27 units	5.78 units	5.92 units
Specific Conductance	umhos/cm	--	214 umhos @ 25°C	194 umhos @ 25°C	180 umhos @ 25°C	169.1 umhos	224.2 umhos	164.8 umhos	172.6 umhos	194.7 umhos
Sulfate	mg/l	--	6.65	6.96	7.75	7.07	7.31	7.85	7.25	7.51
Total Dissolved Solids	mg/L	--	106	142	89	91	80	85	84	85
Turbidity	NTU	--	0.22	0.36	0.12	0.112	0.118	0.2	0.086	0.266

Location ID: M-9S
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Parameter Name	Units	MCL	2/12/2015	8/18/2015	2/18/2016	8/2/2016	1/11/2017	7/20/2017	1/25/2018	7/13/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND U	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND U	ND
Barium, total	mg/l	2	0.0218	0.0202	0.0203	0.0172	0.0164	0.0164	0.016	0.017
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND U	ND

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Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/12/2015	8/18/2015	2/18/2016	8/2/2016	1/11/2017	7/20/2017	1/25/2018	7/13/2018
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND U	ND
Calcium, total	mg/l	--	10.6	10.4	10.9	10.1	10.4	9.95	9.2	8.3
Chromium, total	mg/l	0.1	ND	ND	0.0064	ND	ND	ND	0.00086 J	0.0019 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Copper, total	mg/l	1.3	ND	ND	0.0238	ND	ND	ND	ND U	0.0045 J
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	0.043 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND U	ND
Magnesium, total	mg/l	--	6.41	6.82	6.99	6.23	6.23	6.12	5.9	5.6
Manganese, total	mg/l	--	ND	ND	ND	0.0012 J	ND	ND	ND U	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Potassium, total	mg/l	--	1.37	1.32	1.15	1.23	1.04	1.23	0.97	0.95
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND U	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Sodium, Total	mg/L	--	8.37	8.59	8.42	8.41	7.81	7.68	7.1	6.9
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Zinc, total	mg/l	--	0.0135	ND	ND	ND	ND	ND	ND U	ND
Alkalinity, Total	mg/L	--	30.7	29.3	30.3	28.8	34.2	32.2	38	34
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	0.034 J	0.548
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	10 J
Chloride	mg/l	--	18.9	19.1	18.2	16.5	15.2	12.6	14.2	15.9
Hardness	mg/l	--	26.3	54.1	56	50.9	51.5	50.1	47.3	43.7
Nitrate/Nitrite-N	mg/L	10	1.2	1.26	1.21	1.76	1.48	1.34	1.4	1.6
pH	pH_Units	--	5.63 units	5.63 units	5.79 units	5.69 units	7.83 units	6.92 units	6.68	6.4
Specific Conductance	umhos/cm	--	160.6 umhos	175	194	158	163	144	126	157
Sulfate	mg/l	--	7.3	7.13	7.32	8.31	8.34	8.52	8.6	24.8
Total Dissolved Solids	mg/L	--	71	64	71	77	79	80	83	199
Turbidity	NTU	--	0.316	0.564	0.102	0.255	0.085	1.09	ND U	0.16

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Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/18/2020	8/26/2020	3/11/2021	7/27/2021	3/1/2022	9/21/2022
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.021	0.033	0.034	0.034	0.031	0.029	0.03	0.031
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	10.3	17.3	20.6	18	19.2	17	18.7	18.4
Chromium, total	mg/l	0.1	ND	0.0017 J	0.00077 J	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	0.27	ND	0.021 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	6.9	11.5	12.3	11	10.9	9.8	10.2	10.4
Manganese, total	mg/l	--	ND	0.1	0.049	0.043	0.018	0.028	0.011	0.021
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.99	1.5	1.6	1.6	1.3	1.5	1.4	1.6
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	8.1	13.7	16.6	16	17.8	16.7	17.5	15.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.006	0.0034 J	ND	0.0021 J	0.0055 J	0.0023 J	0.0022 J	ND
Alkalinity, Total	mg/L	--	44	50	67	65	70	70	60	62
Ammonia-N, Low Level	mg/L	--	0.049 J	ND	ND	0.04 J	0.05 J	0.03 J	ND	0.02 J
Chemical Oxygen Demand (COD)	mg/L	--	21	ND	ND	24	6 J	ND	ND	ND
Chloride	mg/l	--	25.6	38.5	40.7	41	41.5	36.1	31.3	27.7
Hardness	mg/l	--	54	90.4	102	90	92.5	82.7	88.5	88.8
Nitrate/Nitrite-N	mg/L	10	1.3	0.42	0.38	0.56	0.82	0.74	0.89 J	0.93
pH	pH_Units	--	6.58	7.23	7.15	6.92	7.59	6.99	7.23	8.01
Specific Conductance	umhos/cm	--	167	238	304	293	286	254	278	262
Sulfate	mg/l	--	9.2	10.3	11.4	13.3	12	16.1	14.9	13.9
Total Dissolved Solids	mg/L	--	132	183	144	232	174	164	122	128

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/14/2019	3/18/2020	8/26/2020	3/11/2021	7/27/2021	3/1/2022	9/21/2022
Turbidity	NTU	--	0.1	0.27	0.11	0.91	ND	ND	0.3	ND

Location ID: M-9S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/8/2023	7/18/2023	1/25/2024	8/28/2024	2/5/2025	7/22/2025	1/8/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.028	0.028	0.031	0.033	0.041	0.04	0.041
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	18.6	17.1	20	21.3	26.2	24.2	24.3
Chromium, total	mg/l	0.1	0.00077 J	0.00077 J	ND	ND	ND	0.00086 J	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	10.4	9.7	11.2	11.8	13.7	13.4	13.3
Manganese, total	mg/l	--	0.0099	0.006	0.028	0.069	0.068	0.05	0.042
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.4	1.5	1.6	1.6	1.8	1.7	1.8
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	15.7	14.7	16.3	18.5	21.9	22.4	23.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	0.0025 J	ND	ND	ND
Alkalinity, Total	mg/L	--	58	62	64	69	76	76	79
Ammonia-N, Low Level	mg/L	--	0.02 J	ND	0.04 J	0.05 J	0.02 J	0.03 J	ND
Chemical Oxygen Demand (COD)	mg/L	--	12 J	31	6 J	ND	ND	5 J	6 J
Chloride	mg/l	--	31.5	32.2	36.3	47.8	57.3	15.2	55.6
Hardness	mg/l	--	89.1	82.8	96.2	102	122	106	103
Nitrate/Nitrite-N	mg/L	10	0.95	0.94 J	1 J	0.31	ND	1.5 J	0.17
pH	pH_Units	--	7.2	7.8	7.6	7.92	7.93	7.96	7.94
Specific Conductance	umhos/cm	--	265	266	276	316	351	370	362
Sulfate	mg/l	--	13.3	15.6	13.8	15.4	17.4	ND	20.7
Total Dissolved Solids	mg/L	--	162	176	168	140	168	226	182
Turbidity	NTU	--	ND	ND	ND	ND	0.35	1.3	0.7

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-11D									
Number of Sampling Dates:	60									
Parameter Name	**Units**	**MCL**	**5/17/1996**	**11/5/1996**	**4/17/1997**	**10/31/1997**	**6/24/1998**	**12/11/1998**	**5/27/1999**	**11/17/1999**
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	26 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	5/17/1996	11/5/1996	4/17/1997	10/31/1997	6/24/1998	12/11/1998	5/27/1999	11/17/1999
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	1 µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	5/25/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002	11/7/2002	6/19/2003	12/4/2003
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	5/25/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002	11/7/2002	6/19/2003	12/4/2003
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Trichlorofluoromethane	ug/L	--	ND µg/L	1.2 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	--
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	6/22/2004	10/20/2004	7/19/2005	11/4/2005	3/17/2006	9/12/2006	8/13/2007	2/7/2008
Acetone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND

Location ID:	M-11D									
Number of Sampling Dates:	60									
Parameter Name	**Units**	**MCL**	**6/22/2004**	**10/20/2004**	**7/19/2005**	**11/4/2005**	**3/17/2006**	**9/12/2006**	**8/13/2007**	**2/7/2008**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11D									
Number of Sampling Dates:	60									
Parameter Name	**Units**	**MCL**	**8/6/2008**	**2/19/2009**	**8/19/2009**	**1/22/2010**	**9/8/2010**	**1/6/2011**	**7/27/2011**	**2/23/2012**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	--	--	ND	ND	ND	ND	ND

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/6/2008	2/19/2009	8/19/2009	1/22/2010	9/8/2010	1/6/2011	7/27/2011	2/23/2012
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/21/2012	1/10/2013	8/30/2013	2/7/2014	8/6/2014	2/11/2015	8/19/2015	2/18/2016
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/21/2012	1/10/2013	8/30/2013	2/7/2014	8/6/2014	2/11/2015	8/19/2015	2/18/2016
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	1.13	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	1.13	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	5.85	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/4/2016	1/11/2017	7/19/2017	1/24/2018	7/12/2018	2/14/2019	8/16/2019	3/17/2020
Acetone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	0.35 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND U	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND U	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND U	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND U	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND

Location ID:	M-11D									
Number of Sampling Dates:	60									
Parameter Name	**Units**	**MCL**	**8/4/2016**	**1/11/2017**	**7/19/2017**	**1/24/2018**	**7/12/2018**	**2/14/2019**	**8/16/2019**	**3/17/2020**
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND U	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND U	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND U	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND U	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND U	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11D									
Number of Sampling Dates:	60									
Parameter Name	**Units**	**MCL**	**8/27/2020**	**3/15/2021**	**7/28/2021**	**3/3/2022**	**9/22/2022**	**3/9/2023**	**7/20/2023**	**1/24/2024**
Acetone	ug/L	--	ND	6.3	3.5 J	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-11D									
Number of Sampling Dates:	60									
Parameter Name	**Units**	**MCL**	**8/27/2020**	**3/15/2021**	**7/28/2021**	**3/3/2022**	**9/22/2022**	**3/9/2023**	**7/20/2023**	**1/24/2024**
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	0.36 J	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	0.6 J	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	0.84 J	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/27/2020	3/15/2021	7/28/2021	3/3/2022	9/22/2022	3/9/2023	7/20/2023	1/24/2024
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/27/2024	2/7/2025	7/23/2025	1/7/2026
Acetone	ug/L	--	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	2.1	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/27/2024	2/7/2025	7/23/2025	1/7/2026
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	9.09	8.12	9.25	10.4
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	12.7	15.7 I	19.5	21.8
Perfluorononanoic acid (PFNA)	ng/l	10	ND U	ND U	ND U	1.03
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	8.19	5.89	7.74	6.44
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	ND U	ND U	1.76	1.73

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	5/17/1996	11/5/1996	4/17/1997	10/31/1997	6/24/1998	12/11/1998	5/27/1999	11/17/1999
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.015	0.019	0.013	0.017	0.017	0.018	0.017	0.017
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	17	17	15	17.8	19.9	18.1	19.5	19.2
Chromium, total	mg/l	0.1	ND	0.0012	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.009	0.004	ND	ND	ND	ND
Iron, total	mg/l	–	0.434	ND	ND	0.181	ND	0.824	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	0.005	ND	0.006	0.005	ND
Magnesium, total	mg/l	–	10	10	8.9	10.4	11.8	ND	11.3	11.5
Manganese, total	mg/l	–	0.01	ND	ND	0.013	0.015	0.015	0.007	0.006
Mercury, Total	mg/L	0.002	0.0002	0.0009	0.0005	ND	0.0003	ND	ND	ND
Nickel, total	mg/l	–	0.012	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	–	2.02	1.4	2.4	3.9	1.78	2.94	2.2	2.56
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	1.3	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	7.79	8.4	5.1	8.7	8.49	8.76	10.7	9.19
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.027	ND	0.02	0.021	0.008	0.033	0.022	0.015
Alkalinity, Total	mg/L	–	29	ND	12	35	35	48	41	37
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	–	35.3	19	31	31.7	29.1	37.1	34.4	40.6
Hardness	mg/l	–	85	84	84	87	99	91	103	97.8
Nitrate/Nitrite-N	mg/L	10	11	9	6.5	10	7.19	8.72	6.86	6.79
pH	pH_Units	–	5.6 units	6.06 units	6.13 units	6.29 units	5.81 units	5.77 units	6.08 units	5.92 units
Specific Conductance	umhos/cm	–	110	190	245	249	200	208.4	290.3	133
Sulfate	mg/l	–	ND	ND	ND	5.03	0.79	0.612	7.44	ND
Total Dissolved Solids	mg/L	–	160	140	162	107	150	140	170	195
Turbidity	NTU	–	8.2	3.7	4.8	4.5	11	7.3	1.6	1.9

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	5/25/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002	11/7/2002	6/19/2003	12/4/2003
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.018	0.023	0.019	0.02	0.02	0.023	0.022	0.023
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	20.9	23.5	24.1	23.7	20.5	24.3	24.1	22.2
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.043	0.008	0.007	ND	0.007	0.004	0.013	0.009
Iron, total	mg/l	–	0.219	0.167	0.11	ND	0.111	0.029	ND	ND
Lead, total	mg/l	0.015	0.004	0.004	ND	0.002	ND	ND	ND	ND
Magnesium, total	mg/l	–	13.1	13.9	14.8	14.4	13.5	14.7	14.5	13.5
Manganese, total	mg/l	–	ND	0.013	0.009	0.008	0.007	0.012	0.008	0.01
Mercury, Total	mg/L	0.002	ND	0.0003	ND	ND	0.0002	ND	ND	ND
Nickel, total	mg/l	–	ND	ND	0.012	ND	ND	ND	ND	ND
Potassium, total	mg/l	–	5.14	2.62	1.64	2.28	2.89	3.08	6.7	2.49
Selenium, total	mg/l	0.05	ND	ND	0.003	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	10.2	11.7	11.7	12.3	12.1	13.6	14.7	14
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.073	0.065	0.021	0.027	0.028	0.031	0.027	0.059
Alkalinity, Total	mg/L	–	46	38	42	45	42	40	48	48
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	–	44.6	50.6	46.5	37.9	52.1	58.3	56.9	55.9

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	5/25/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002	11/7/2002	6/19/2003	12/4/2003
Hardness	mg/l	–	108	118	123	119	111	115	120	112
Nitrate/Nitrite-N	mg/L	10	7.85	7.76	11.6	6.98	8.26	8.33	7.69	7.06
pH	pH_Units	–	6.02 units	5.64 units	5.96 units	5.88 units	6.1 units	12.2 units	5.9 units	5.7 units
Specific Conductance	umhos/cm	–	258.5	237.7	252	324.6	347.1	332.4	295.8	197.2
Sulfate	mg/l	–	16.7	ND	ND	ND	2.92	0.401	1.59	0.875
Total Dissolved Solids	mg/L	–	182	154	211	209	217	187	219	209
Turbidity	NTU	–	1.5	4.3	2.3	1.8	2	0.49	0.68	0.87

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	6/22/2004	10/20/2004	7/19/2005	11/4/2005	3/17/2006	9/12/2006	8/13/2007	2/7/2008
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.02	0.025	0.026	0.026	0.025	0.026	0.028	0.024
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	24.6	ND	ND
Calcium, total	mg/l	–	23	23.4	–	–	–	–	–	–
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.004	0.006	ND	0.004	ND	ND	0.008	ND
Iron, total	mg/l	–	ND	ND	ND	0.044	0.172	0.319	0.255	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	13.9	14.5	14.6	14.8	15.9	14.9	14.6	–
Manganese, total	mg/l	–	ND	0.007	ND	0.007	ND	0.008	0.016	0.005
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	–	–	ND
Potassium, total	mg/l	–	8.73	5.08	10.2	7.77	10.6	–	–	–
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	15.4	15.2	17.2	15.5	18	–	–	–
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.026	0.036	0.022	0.018	0.022	0.03	0.038	0.13
Alkalinity, Total	mg/L	–	56	54	59 mg/L as CaCO3	58 mg/L as CaCO3	62 mg/L as CaCO3	58 mg/L as CaCO3	61 mg/L as CaCO3	50 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	–	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	ND	ND	ND	10	ND
Chloride	mg/l	–	55.4	57.6	57.8	60.9	62.1	63	45.2	61.1
Hardness	mg/l	–	115	117	123	131	131	123	118	116 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	6.88	6.99	7.16 mg/L as N	7.13 mg/L as N	–	–	–	ND
pH	pH_Units	–	6.1 units	5.9 units	–	–	–	–	–	–
Specific Conductance	umhos/cm	–	369.9	363.7	–	–	–	415 umhos at 25C	–	–
Sulfate	mg/l	–	1.27	1.28	1.55	2.04	2.65	3.5	6.61	3.68
Total Dissolved Solids	mg/L	–	207	210	262	215	220	233	228	205
Turbidity	NTU	–	2.2	2.1	0.83	1.8	6.1	7.2	2.3	–

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/6/2008	2/19/2009	8/19/2009	1/22/2010	9/8/2010	1/6/2011	7/27/2011	2/23/2012
Antimony, total	mg/l	0.006	ND	ND	ND	ND	0.002	ND	ND	ND
Arsenic, total	mg/l	0.01	0.002	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.021	ND	0.022	0.019	0.025	0.027	0.026	0.028
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	23	ND	24.4	25	23.6	26.6	26.7	27.9
Chromium, total	mg/l	0.1	0.005	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	–	0.092	ND	ND	0.118	ND	0.064	ND	0.09
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	15	ND	15.3	16.2	14.9	17.8	17.1	17.7
Manganese, total	mg/l	–	0.006	ND	0.004	0.01	0.005	0.009	0.007	0.008
Mercury, Total	mg/L	0.002	ND	ND	0.0002	ND	ND	0.0003	ND	0.0004
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	–	1.38	ND	1.33	2.31	1.82	2.15	2.71	1.53
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/6/2008	2/19/2009	8/19/2009	1/22/2010	9/8/2010	1/6/2011	7/27/2011	2/23/2012
Sodium, Total	mg/L	–	15.8	ND	16.6	18.2	19.9	20.7	20.8	21.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.012	0.014	0.009	0.011	0.011	0.007	0.005	0.005
Alkalinity, Total	mg/L	–	54 mg/L as CaCO3	55 mg/L as CaCO3	54.5 mg/L as CaCO3	57 mg/L as CaCO3	57 mg/L as CaCO3	57.9 mg/L as CaCO3	59 mg/L as CaCO3	61 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	0.63	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	ND	ND	ND	ND	14
Chloride	mg/l	–	61.6	63	67.3	70.2	66.8	66.2	67.2	70.2
Hardness	mg/l	–	119 mg/L as CaCO3	ND mg/L as CaCO3	124 mg/L as CaCO3	129 mg/L as CaCO3	120 mg/L as CaCO3	140 mg/L as CaCO3	137 mg/L as CaCO3	143 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	6.57	ND	4.15	5.6	6.92	6.91	6.07	6.18
pH	pH_Units	–	–	–	–	–	5.57 pH Units	5.67 pH Units	6.34 pH Units	6.21 pH Units
Specific Conductance	umhos/cm	–	–	–	–	–	468 umhos @ 25°C	430 umhos @ 25°C	456 umhos @ 25°C	467 umhos @ 25°C
Sulfate	mg/l	–	3.6	2.5	2.35	4.63	5.04	4.82	5.06	6.4
Total Dissolved Solids	mg/L	–	262	225	245	221	253	219	177	217
Turbidity	NTU	–	–	–	–	–	0.67	1.2	0.61	1.8

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/21/2012	1/10/2013	8/30/2013	2/7/2014	8/6/2014	2/11/2015	8/19/2015	2/18/2016
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0264	0.0284	0.0287	0.028	0.0315	0.0326	0.0347	0.036
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	25.8	27.6	30.2	25.1	27.6	29.2	26.7	31.9
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	0.0137
Iron, total	mg/l	–	ND	0.0567	0.169	ND	ND	0.0614	0.0736	0.0922
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	16.6	18.1	19.7	17.2	18.1	18	20.5	20.3
Manganese, total	mg/l	–	0.0054	0.0078	0.0064	0.0084	0.0079	0.0071	0.0071	0.0078
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	0.000229	0.000228	0.000214
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	–	7.39	1.38	1.98	1.27	1.44	1.62	1.75	1.63
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	21.8	22.2	25.3	22.2	23.4	23.8	27.3	27.4
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.0171	0.0183	0.0165	0.0137	0.0142	0.0162	0.0073	0.0056
Alkalinity, Total	mg/L	–	67.7	56.5	59	59.9	61.6	64.5	58.8	58.8
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	21	ND	ND	ND	ND
Chloride	mg/l	–	69.7	75.7	78.8	78.2	79.8	82.3	89	88.7
Hardness	mg/l	–	133	143	156	134	143	72.8	151	163
Nitrate/Nitrite-N	mg/L	10	6.48	5.52	5.56	5	4.77	4.61	5.1	4.84
pH	pH_Units	–	6.02 units	5.95 units	6.07 units	5.91 units	5.7 units	5.76 units	5.68 units	6.03 units
Specific Conductance	umhos/cm	–	455 umhos	491 umhos	485 umhos	489 umhos	498 umhos	290.8 umhos	511	531
Sulfate	mg/l	–	5.14	6.57	6.67	6.85	7.09	6.31	6.95	6.8
Total Dissolved Solids	mg/L	–	239	216	241	240	243	221	241	263
Turbidity	NTU	–	0.494	0.815	0.57	0.563	0.881	1.43	1.29	1.27

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/4/2016	1/11/2017	7/19/2017	1/24/2018	7/12/2018	2/14/2019	8/16/2019	3/17/2020
Antimony, total	mg/l	0.006	ND	ND	ND	ND U	ND	ND	0.0016 J	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND U	ND	ND	ND	ND
Barium, total	mg/l	2	0.032	0.0339	0.036	0.037	0.041	0.04	0.029	0.035
Beryllium, total	mg/l	0.004	ND	ND	ND	ND U	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND U	ND	ND	0.0021	ND
Calcium, total	mg/l	–	29.1	30.6	30.1	27.9	31.9	28.5	22.5	29.3
Chromium, total	mg/l	0.1	ND	ND	ND	0.00087 J	0.0079	0.0011 J	0.0014 J	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND U	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	0.0023 J	0.0049 J	ND	0.0022 J	ND
Iron, total	mg/l	–	ND	ND	ND	0.038 J	0.18	0.031 J	0.019 J	ND

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/4/2016	1/11/2017	7/19/2017	1/24/2018	7/12/2018	2/14/2019	8/16/2019	3/17/2020
Lead, total	mg/l	0.015	ND	ND	ND	ND U	ND	ND	ND	ND
Magnesium, total	mg/l	–	18.8	19.6	19.9	18.7	22.7	17.9	15.6	20.7
Manganese, total	mg/l	–	0.006	0.009	0.0089	0.007	0.0083	0.0063	0.002 J	0.0064
Mercury, Total	mg/L	0.002	ND	ND	ND	0.00019 J	0.00019 J	0.00021 J	ND	ND
Nickel, total	mg/l	–	ND	ND	ND	0.0023 J	0.0074	0.002 J	0.0023 J	0.002 J
Potassium, total	mg/l	–	3.78	1.65	1.89	1.4	1.7	1.4	24.7	1.6
Selenium, total	mg/l	0.05	ND	ND	ND	ND U	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND U	ND	ND	ND	ND
Sodium, Total	mg/L	–	28.8	28	29.7	29.4	32.1	33.6	24.9	33
Thallium, total	mg/l	0.002	ND	ND	ND	ND U	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND U	ND	ND	ND	ND
Zinc, total	mg/l	–	ND	ND	ND	0.0068	0.0098	0.01	0.023	0.0065
Alkalinity, Total	mg/L	–	59.4	57.5	59	66	71	75	109	78
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	0.029 J	0.232	0.085 J	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	10	8	ND	14 J	ND	ND
Chloride	mg/l	–	91.9	59.4	102	102	119	93.7	62.6	72.3
Hardness	mg/l	–	150	157	157	147	173	145	121	159
Nitrate/Nitrite-N	mg/L	10	5.12	4.89	4.78	5	5.3	3.8	6	2.5
pH	pH_Units	–	5.75 units	5.54 units	6.51 units	6.67	6.19	6.32	7.74	6.16
Specific Conductance	umhos/cm	–	519	513	529	503	539	529	473	495
Sulfate	mg/l	–	7.41	7.5	7.93	7.5	9.5	8.7	5.1	7.4
Total Dissolved Solids	mg/L	–	266	269	300	252	262	324	297	186
Turbidity	NTU	–	1.62	0.98	1.24	0.9	1.04	1.25	0.74	0.96

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/27/2020	3/15/2021	7/28/2021	3/3/2022	9/22/2022	3/9/2023	7/20/2023	1/24/2024
Antimony, total	mg/l	0.006	ND	0.0012 J	0.0018 J	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.033	0.028	0.03	0.037	0.038	0.037	0.054	0.037
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.00047 J	0.002	0.0021	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	25.5	24.7	23.6	27.5	27.2	29.5	23.4	27.6
Chromium, total	mg/l	0.1	0.00081 J	ND	ND	ND	0.00077 J	0.0013 J	0.0012 J	0.00075 J
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.0027 J	ND	ND	ND	ND	ND
Iron, total	mg/l	–	ND	0.063	ND	ND	0.023 J	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	17.6	16.9	16.5	19.7	20.7	20.9	16.4	20.1
Manganese, total	mg/l	–	0.0065	ND	ND	0.0069	0.007	0.012	0.012	0.0084
Mercury, Total	mg/L	0.002	ND	ND	ND	0.00019 J	0.00018 J	ND	0.00051	ND
Nickel, total	mg/l	–	0.0024 J	0.0021 J	0.0026 J	0.0024 J	ND	0.0025 J	ND	0.0022 J
Potassium, total	mg/l	–	4.3	25.8	27.4	1.6	1.6	1.9	2.7	1.6
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	27.3	26.4	25.8	33.6	34	34.6	33.2	36.5
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.012	0.026	0.026	0.0066	0.0064	0.01	0.0042 J	0.0059
Alkalinity, Total	mg/L	–	72	102	96	71	74	72	71	76
Ammonia-N, Low Level	mg/L	–	0.03 J	0.02 J	0.02 J	0.03 J	ND	0.04 J	0.02 J	0.03 J
Chemical Oxygen Demand (COD)	mg/L	–	38	7 J	ND	ND	ND	7 J	41	ND
Chloride	mg/l	–	91.2	67.8	58.2	95.4	94.7	88.6	94.3	97.9
Hardness	mg/l	–	136	131	127	150	153	160	126	151
Nitrate/Nitrite-N	mg/L	10	4.1	6.2	5.3	3.1	3	3	2.1	3.1
pH	pH_Units	–	6.7	8.05	7.71	7.25	7.92	7.69	7.46	7.17
Specific Conductance	umhos/cm	–	490	489	471	582	477	515	462	512
Sulfate	mg/l	–	8.7	5	4.4	9.7	9.2	8.4	5.9	9.5
Total Dissolved Solids	mg/L	–	338	398	278	272	284	256	286	284
Turbidity	NTU	–	0.47	ND	ND	0.62	0.62	0.85	0.3	0.45

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/27/2024	2/7/2025	7/23/2025	1/7/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND

Location ID: M-11D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/27/2024	2/7/2025	7/23/2025	1/7/2026
Barium, total	mg/l	2	0.036	0.036	0.04	0.037
Beryllium, total	mg/l	0.004	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND
Calcium, total	mg/l	–	27.6	28.4	30.3	27.3
Chromium, total	mg/l	0.1	ND	ND	ND	0.00099 J
Cobalt, total	mg/l	–	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND
Iron, total	mg/l	–	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND
Magnesium, total	mg/l	–	19.1	20.2	19.8	19.4
Manganese, total	mg/l	–	0.0067	0.0087	0.0089	0.0084
Mercury, Total	mg/L	0.002	0.00018 J	ND	ND	ND
Nickel, total	mg/l	–	0.0021 J	0.0022 J	0.0025 J	0.0024 J
Potassium, total	mg/l	–	1.6	1.8	1.8	1.8
Selenium, total	mg/l	0.05	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND
Sodium, Total	mg/L	–	34.7	35.8	34.3	35.5
Thallium, total	mg/l	0.002	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND
Zinc, total	mg/l	–	0.0061	0.0058	0.0059	0.0063
Alkalinity, Total	mg/L	–	79	80	76	74
Ammonia-N, Low Level	mg/L	–	0.22	ND	0.06 J	ND
Chemical Oxygen Demand (COD)	mg/L	–	5 J	ND	5 J	ND
Chloride	mg/l	–	90.4	114	96	98.2
Hardness	mg/l	–	148	154	142	136
Nitrate/Nitrite-N	mg/L	10	3.18	3.2	2.9	3.3
pH	pH_Units	–	7.91	7.09	7.64	7.52
Specific Conductance	umhos/cm	–	502	508	520	507
Sulfate	mg/l	–	10.3	12.7	10.4	10.1
Total Dissolved Solids	mg/L	–	278	270	298	376
Turbidity	NTU	–	0.45	1.8	1.5	1.5

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**5/14/1996**	**5/16/1996**	**5/17/1996**	**11/5/1996**	**4/17/1997**	**10/30/1997**	**6/24/1998**	**12/11/1998**
Acetone	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	1.7 µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	0.9 µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	--	--	ND µg/L	ND µg/L	1.5 µg/L	0.8 µg/L	0.9 µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	24 µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	2.2 µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-11S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/16/1996	5/17/1996	11/5/1996	4/17/1997	10/30/1997	6/24/1998	12/11/1998
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-11S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/25/1999	11/17/1999	5/19/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002	11/7/2002
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**5/25/1999**	**11/17/1999**	**5/19/2000**	**12/12/2000**	**6/7/2001**	**11/15/2001**	**6/14/2002**	**11/7/2002**
Iodomethane	ug/l	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	1.7 µg/L	ND µg/L	0.9 µg/L	ND µg/L	1 µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**6/19/2003**	**12/4/2003**	**6/22/2004**	**10/20/2004**	**7/19/2005**	**11/4/2005**	**3/17/2006**	**9/12/2006**
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**6/19/2003**	**12/4/2003**	**6/22/2004**	**10/20/2004**	**7/19/2005**	**11/4/2005**	**3/17/2006**	**9/12/2006**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	1 µg/L	0.7 µg/L	0.9 µg/L	0.9 µg/L	ND	0.9	0.9	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/22/2007**	**8/13/2007**	**2/4/2008**	**8/6/2008**	**2/19/2009**	**8/19/2009**	**1/22/2010**	**9/8/2010**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	--	--	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	--	--	ND	ND

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/22/2007**	**8/13/2007**	**2/4/2008**	**8/6/2008**	**2/19/2009**	**8/19/2009**	**1/22/2010**	**9/8/2010**
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**1/6/2011**	**7/27/2011**	**2/23/2012**	**8/21/2012**	**1/10/2013**	**8/30/2013**	**2/7/2014**	**8/6/2014**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**1/6/2011**	**7/27/2011**	**2/23/2012**	**8/21/2012**	**1/10/2013**	**8/30/2013**	**2/7/2014**	**8/6/2014**
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/11/2015**	**8/19/2015**	**2/18/2016**	**8/4/2016**	**1/11/2017**	**7/19/2017**	**1/24/2018**	**7/12/2018**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND U	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/11/2015**	**8/19/2015**	**2/18/2016**	**8/4/2016**	**1/11/2017**	**7/19/2017**	**1/24/2018**	**7/12/2018**
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND U	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND U	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND U	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/14/2019**	**8/16/2019**	**3/17/2020**	**8/27/2020**	**3/15/2021**	**7/28/2021**	**3/3/2022**	**9/22/2022**
Acetone	ug/L	--	ND	3.7 J	ND	4.8 J	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-11S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	2/14/2019	8/16/2019	3/17/2020	8/27/2020	3/15/2021	7/28/2021	3/3/2022	9/22/2022
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	0.97 J	ND	0.46 J	ND	ND	ND	0.33 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	0.38 J	ND	0.42 J	ND	0.34 J	ND	0.37 J
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	0.71 J	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-11S									
Number of Sampling Dates:	63									
Parameter Name	**Units**	**MCL**	**2/14/2019**	**8/16/2019**	**3/17/2020**	**8/27/2020**	**3/15/2021**	**7/28/2021**	**3/3/2022**	**9/22/2022**
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-11S								
Number of Sampling Dates:	63								
Parameter Name	**Units**	**MCL**	**3/9/2023**	**7/20/2023**	**1/24/2024**	**8/27/2024**	**2/7/2025**	**7/23/2025**	**1/7/2026**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	2	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND

Location ID: M-11S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/9/2023	7/20/2023	1/24/2024	8/27/2024	2/7/2025	7/23/2025	1/7/2026
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	8.65	8.19	12	12.3
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	3.99	3.86 I	5.9	5.77
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	ND U	ND U	ND U	0.868
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	9.73	6.99	11.1	9.27
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	ND U	ND U	1.92	1.83

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-11S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	5/14/1996	5/16/1996	5/17/1996	11/5/1996	4/17/1997	10/30/1997	6/24/1998	12/11/1998
Antimony, total	mg/l	0.006	ND	ND	0.036	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.025	0.025	0.006	0.033	0.024	0.038	0.032	0.035
Beryllium, total	mg/l	0.004	ND	ND	ND	0.002	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	--	ND	0.0008	ND	ND	ND	ND
Calcium, total	mg/l	--	11.8	10.7	10.3	11	9.1	14.7	13.8	11.9
Chromium, total	mg/l	0.1	ND	ND	ND	0.0021	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.009	ND	ND	0.005	0.013	ND	0.005
Iron, total	mg/l	--	ND	0.046	0.117	ND	ND	0.354	0.943	0.034
Lead, total	mg/l	0.015	0.002	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	8.93	8.26	3.87	8.3	7.2	11.8	10.4	9.22
Manganese, total	mg/l	--	0.036	0.028	0.018	0.038	0.03	0.044	0.043	0.04
Mercury, Total	mg/L	0.002	0.0004	0.0005	ND	0.0005	0.002	0.0048	0.0021	0.0024
Nickel, total	mg/l	--	ND	0.013	ND	ND	ND	0.017	ND	ND
Potassium, total	mg/l	--	2.26	1.78	2.95	2	2	2.19	2.59	1.82
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	5.94	5.75	2.77	6	4.6	11.7	8.08	8.74
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.015	0.014	0.029	ND	0.022	0.148	0.01	0.011
Alkalinity, Total	mg/L	--	25	21	37	24	32	22	23	23
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	13	12	16	ND
Chloride	mg/l	--	24	15.4	5.73	19	20	50.6	24.3	41.8
Hardness	mg/l	--	58	63	45	62	60	82	78	69
Nitrate/Nitrite-N	mg/L	10	6.87	5.73	3.31	5	4	7.3	5.16	8.42
pH	pH_Units	--	5.85 units	5.73 units	5.59 units	5.78 units	5.84 units	6 units	5.59 units	5.5 units
Specific Conductance	umhos/cm	--	150	130	70	140	172.3	289	180	167.5
Sulfate	mg/l	--	13.2	4.7	9.87	7	ND	7.12	3.9	0.982
Total Dissolved Solids	mg/L	--	115	120	71	110	91	124	140	120
Turbidity	NTU	--	7.7	0.8	15	14	3.3	4.1	17	4.3

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Parameter Name	Units	MCL	5/25/1999	11/17/1999	5/19/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002	11/7/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	0.003
Barium, total	mg/l	2	0.041	0.035	0.041	0.037	0.038	0.044	0.035	0.041
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	14.4	13.3	16.8	14.4	17.8	15.7	14	14.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.01	ND	ND	0.009	0.008	ND
Iron, total	mg/l	--	0.059	0.253	0.536	ND	ND	ND	0.198	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	12.1	10	12.1	10.4	12.6	12.2	10.8	11.5
Manganese, total	mg/l	--	0.62	0.064	0.054	0.075	0.074	0.074	0.091	0.061
Mercury, Total	mg/L	0.002	0.0029	0.0026	0.0027	0.0028	0.0047	ND	0.0071	0.0025
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.63	2.47	2.51	2.39	3.08	2.35	1.54	2.53
Selenium, total	mg/l	0.05	ND	ND	ND	ND	0.002	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	12.7	9.22	12.9	9.92	11.3	16.4	11	14.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.028	0.009	0.027	0.026	0.008	0.053	0.018	0.032
Alkalinity, Total	mg/L	--	ND	27	32	29	39	36	36	23
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	11	ND	ND
Chloride	mg/l	--	40.3	31.8	47.3	36.2	37.4	48.3	46.3	50.2

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Parameter Name	Units	MCL	5/25/1999	11/17/1999	5/19/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002	11/7/2002
Hardness	mg/l	--	89	75	91.3	83.1	97.4	89.8	82.4	85
Nitrate/Nitrite-N	mg/L	10	5.15	5.01	6.46	5.75	6.03	6.08	7.11	6.18
pH	pH_Units	--	5.61 units	5.72 units	5.9 units	5.69 units	5.67 units	5.62 units	5.76 units	12.8 units
Specific Conductance	umhos/cm	--	194.8	197.2	206	174.7	238	288.4	264.8	268.6
Sulfate	mg/l	--	2.17	ND	4.08	4.85	5.25	ND	6.1	0.603
Total Dissolved Solids	mg/L	--	140	156	167	116	150	180	147	145
Turbidity	NTU	--	11	12	6.9	7.1	5.1	11	4.6	0.86

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Parameter Name	Units	MCL	6/19/2003	12/4/2003	6/22/2004	10/20/2004	7/19/2005	11/4/2005	3/17/2006	9/12/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.045	0.031	0.036	0.044	0.042	0.043	0.055	0.048
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	19.2	12.6	18.2	15.6	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.003	ND	0.004	ND	0.004	0.01	0.007
Iron, total	mg/l	--	0.018	2.23	ND	0.125	ND	0.203	8.57	3.72
Lead, total	mg/l	0.015	ND	0.002	ND	ND	ND	ND	0.005	0.003
Magnesium, total	mg/l	--	13.3	0.033	11.8	12.9	11.4	11.9	11.6	13
Manganese, total	mg/l	--	0.06	0.031	0.074	0.033	0.07	0.063	0.214	0.108
Mercury, Total	mg/L	0.002	0.00163	0.0009	0.0019	0.0002	0.0019	0.0017	0.0007	0.0007
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	--
Potassium, total	mg/l	--	2.92	1.78	2.51	1.77	2.29	2.07	2.45	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	14.4	ND	10.7	17.2	13.5	15.7	14.3	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	0.007	ND
Zinc, total	mg/l	--	0.012	0.02	0.008	0.02	0.009	0.013	0.027	0.058
Alkalinity, Total	mg/L	--	43	18	36	30	37 mg/L as CaCO3	30 mg/L as CaCO3	33 mg/L as CaCO3	37 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND mg/L as N	0.22 mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	51.4	38.4	32.7	60.7	43.7	58.1	51.7	68.8
Hardness	mg/l	--	327	72.1	92.3	89	93.6	92.3	86.5	93.7
Nitrate/Nitrite-N	mg/L	10	5.87	6.52	5.3	5.74	5.24 mg/L as N	5.32 mg/L as N	--	--
pH	pH_Units	--	5.93 units	7 units	5.8 units	5.4 units	--	--	--	--
Specific Conductance	umhos/cm	--	248.4	156	219.6	321.2	--	--	--	364 umhos at 25C
Sulfate	mg/l	--	4.11	0.686	3.9	0.7	5.03	2	3.34	1.09
Total Dissolved Solids	mg/L	--	196	150	161	175	201	178	179	232
Turbidity	NTU	--	1.9	1.3	2.3	5.3	2.6	7.2	207	66

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Parameter Name	Units	MCL	2/22/2007	8/13/2007	2/4/2008	8/6/2008	2/19/2009	8/19/2009	1/22/2010	9/8/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.005	0.004	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.08	0.063	0.041	0.043	ND	0.039	0.035	0.05
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	16.2	ND	13.9	22.6	17.6
Chromium, total	mg/l	0.1	0.011	0.006	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	0.015	0.008	0.002	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.036	0.02	ND	ND	0.003	ND	ND	ND
Iron, total	mg/l	--	23.6	13.9	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	0.015	0.01	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	11.8	12.9	--	14.6	ND	11.6	12.2	13.9
Manganese, total	mg/l	--	0.622	0.393	0.108	0.031	ND	0.012	0.06	0.043
Mercury, Total	mg/L	0.002	0.0013	0.0018	0.0004	0.0004	0.0004	0.0003	ND	ND
Nickel, total	mg/l	--	--	--	0.002	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	--	--	1.9	ND	1.67	2.36	1.94
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter Name	Units	MCL	2/22/2007	8/13/2007	2/4/2008	8/6/2008	2/19/2009	8/19/2009	1/22/2010	9/8/2010
Sodium, Total	mg/L	--	--	--	--	24.6	ND	20.1	11	27
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	0.016	0.009	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.072	0.07	0.011	0.006	0.016	0.015	0.01	0.005
Alkalinity, Total	mg/L	--	41 mg/L as CaCO3	34 mg/L as CaCO3	36 mg/L as CaCO3	46 mg/L as CaCO3	48 mg/L as CaCO3	39 mg/L as CaCO3	61 mg/L as CaCO3	50 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	11	ND	13	ND	ND	ND	ND
Chloride	mg/l	--	45.5	51.5	49.6	76.9	44	70.6	31.8	73.5
Hardness	mg/l	--	90.1	91.8	84.8 mg/L as CaCO3	101 mg/L as CaCO3	ND mg/L as CaCO3	82.5 mg/L as CaCO3	107 mg/L as CaCO3	101 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	--	--	4.15	4.27	ND	1.84	4.42	4.66
pH	pH_Units	--	--	--	--	--	--	--	--	5.6 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	--	--	457 umhos @ 25°C
Sulfate	mg/l	--	3.79	5.99	7.73	ND	4.97	0.82	12.4	3.12
Total Dissolved Solids	mg/L	--	138	225	182	266	158	218	159	227
Turbidity	NTU	--	167	309	--	--	--	--	--	0.21

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Parameter Name	Units	MCL	1/6/2011	7/27/2011	2/23/2012	8/21/2012	1/10/2013	8/30/2013	2/7/2014	8/6/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.04	0.048	0.04	0.0404	0.0402	0.0428	0.0421	0.0433
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	17.3	18.7	23.7	15.5	22.3	20.5	28.6	27.4
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	0.101	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	12	16.2	12.6	12.6	11.5	16.7	12	10.6
Manganese, total	mg/l	--	0.08	0.036	0.037	0.023	0.0443	0.0142	0.0284	0.0253
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	0.000245	0.000202	0.000347	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	2.47	2.16	2.52	1.96	2.47	2.16	2.64	2.53
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	16.9	28.6	14.2	20.7	12.4	29.2	8.94	10
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.011	ND	ND	0.0142	0.0155	0.0071	0.0122	0.0082
Alkalinity, Total	mg/L	--	42.2 mg/L as CaCO3	49 mg/L as CaCO3	65 mg/L as CaCO3	35	57.6	53.6	79	70.4
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	18	ND	ND	ND	ND	ND
Chloride	mg/l	--	47.6	71.1	34.7	60.1	32.5	74.3	20.4	30.9
Hardness	mg/l	--	92.6 mg/L as CaCO3	113 mg/L as CaCO3	111 mg/L as CaCO3	90.6	103	120	121	112
Nitrate/Nitrite-N	mg/L	10	5.4	3.96	4.84	4.06	4.39	3.62	4.71	4.06
pH	pH_Units	--	5.6 pH Units	6.06 pH Units	6.24 pH Units	5.85 units	5.99 units	6.01 units	6.01 units	5.82 units
Specific Conductance	umhos/cm	--	317 umhos @ 25°C	426 umhos @ 25°C	343 umhos @ 25°C	329 umhos	360 umhos	427 umhos	358 umhos	356 umhos
Sulfate	mg/l	--	3.6	2.15	10.3	1.36	10.3	3.66	16.4	12
Total Dissolved Solids	mg/L	--	146	219	172	172	141	222	178	171
Turbidity	NTU	--	0.14	0.45	0.19	0.145	0.105	0.072	0.091	0.586

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Parameter Name	Units	MCL	2/11/2015	8/19/2015	2/18/2016	8/4/2016	1/11/2017	7/19/2017	1/24/2018	7/12/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND U	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND U	ND
Barium, total	mg/l	2	0.0459	0.0438	0.05	0.0434	0.0435	0.036	0.037	0.038
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND U	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND U	ND
Calcium, total	mg/l	--	30.8	18.9	40.6	27.5	22.2	17.5	27.7	23.9
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	0.00077 J	0.0017 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Copper, total	mg/l	1.3	ND	ND	0.0119	ND	ND	ND	ND U	0.002 J
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	0.16

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Parameter Name	Units	MCL	2/11/2015	8/19/2015	2/18/2016	8/4/2016	1/11/2017	7/19/2017	1/24/2018	7/12/2018
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND U	ND
Magnesium, total	mg/l	--	12.1	16.5	13.6	11.6	11.1	12.7	9.7	10.6
Manganese, total	mg/l	--	0.0239	0.0119	0.0183	0.0229	0.0384	0.0169	0.017	0.02
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	0.0002	ND	ND U	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Potassium, total	mg/l	--	2.85	2.16	3.36	3.09	2.61	2.04	3.1	2.9
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND U	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND U	ND
Sodium, Total	mg/L	--	11.8	27.5	9.61	12.9	15.5	20.2	9.8	11.9
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND U	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND U	ND
Zinc, total	mg/l	--	0.013	0.0185	ND	ND	ND	ND	0.0021 J	0.0041 J
Alkalinity, Total	mg/L	--	79.2	55.8	95.3	67.4	56.5	42.8	82	73
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	0.037 J	0.421
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	8	ND
Chloride	mg/l	--	30.4	73	20.7	38.4	45.2	61.6	33.5	36.2
Hardness	mg/l	--	76.9	115	158	116	101	96.3	109	103
Nitrate/Nitrite-N	mg/L	10	5.12	3.51	4.81	3.48	3	3.71	1.9	1.4
pH	pH_Units	--	5.87 units	5.69 units	5.93 units	5.81 units	5.38 units	6.45 units	6.8	6.77
Specific Conductance	umhos/cm	--	181.2 umhos	428	383	348	323	334	275	270
Sulfate	mg/l	--	12.3	3.71	17.7	11.1	6.99	2.64	22.2	23.6
Total Dissolved Solids	mg/L	--	166	210	176	201	165	191	158	155
Turbidity	NTU	--	0.165	0.431	0.119	0.774	0.172	1.28	ND U	0.14

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Parameter Name	Units	MCL	2/14/2019	8/16/2019	3/17/2020	8/27/2020	3/15/2021	7/28/2021	3/3/2022	9/22/2022
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	0.0017 J	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.038	0.034	0.041	0.039	0.041	0.039	0.045	0.044
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	28.7	13.9	30.9	14.5	30.9	15.7	33.4	15.6
Chromium, total	mg/l	0.1	0.00084 J	0.001 J	0.0013 J	ND	ND	ND	0.001 J	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	0.023 J	ND	0.041 J	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	8.8	11	12.3	11.6	12.4	11.7	11.5	13.4
Manganese, total	mg/l	--	0.0059	0.02	0.0084	0.024	0.0085	0.023	0.0089	0.027
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	0.002 J	ND	0.0025 J	ND	0.0034 J	ND	ND
Potassium, total	mg/l	--	3	2	3.4	1.9	3.2	2.1	3.5	2.1
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	9.1	16.3	13.7	17.7	14.1	17.6	12.2	23.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	0.00057 J	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.035	0.0059	0.0043 J	0.0075	0.0029 J	0.0046 J	0.0035 J	0.0039 J
Alkalinity, Total	mg/L	--	92	44	88	36	96	38	103	39
Ammonia-N, Low Level	mg/L	--	0.094 J	ND	ND	0.04 J	0.04 J	0.04 J	0.04 J	0.03 J
Chemical Oxygen Demand (COD)	mg/L	--	13 J	ND	ND	29	6 J	ND	ND	ND
Chloride	mg/l	--	23.4	52.4	28.4	64	36.1	51.1	24.2	68.6
Hardness	mg/l	--	108	80.3	128	84.1	128	87.6	131	93.9
Nitrate/Nitrite-N	mg/L	10	2.5	2.9	2.5	3.3	3.7	2.3	3.4	2.3
pH	pH_Units	--	6.67	6.34	6.46	6.43	7.15	6.4	7.58	7.64
Specific Conductance	umhos/cm	--	271	258	329	307	345	288	358	332
Sulfate	mg/l	--	22.5	2.5	11.4	1.8 J	13	1.7 J	13.3	ND
Total Dissolved Solids	mg/L	--	202	176	206	214	300	198	192	188
Turbidity	NTU	--	ND	0.17	0.12	0.72	ND	ND	0.21	ND

Location ID: M-11S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/9/2023	7/20/2023	1/24/2024	8/27/2024	2/7/2025	7/23/2025	1/7/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND

Location ID: M-11S
Number of Sampling Dates: 63

Parameter Name	Units	MCL	3/9/2023	7/20/2023	1/24/2024	8/27/2024	2/7/2025	7/23/2025	1/7/2026
Barium, total	mg/l	2	0.046	0.035	0.043	0.043	0.044	0.043	0.042
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	37.1	26.6	27.7	23.1	25	21.4	18.2
Chromium, total	mg/l	0.1	0.0013 J	0.00097 J	ND	0.00086 J	0.00091 J	ND	0.00077 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	12.3	18.7	11.9	11.9	11.9	13.2	12
Manganese, total	mg/l	--	0.0092	0.01	0.013	0.018	0.021	0.016	0.037
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	0.00021 J	ND	ND
Nickel, total	mg/l	--	ND	0.0022 J	ND	ND	ND	ND	0.002 J
Potassium, total	mg/l	--	3.5	2.2	3	2.7	3.1	2.5	2.5
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	10.6	33.3	15.7	20	19.1	22.7	21.3
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	0.0079	ND	0.0026 J	0.0025 J	0.0035 J	0.0041 J
Alkalinity, Total	mg/L	--	112	80	90	93	78	58	54
Ammonia-N, Low Level	mg/L	--	0.06 J	0.02 J	0.04 J	0.26	ND	2.71	ND
Chemical Oxygen Demand (COD)	mg/L	--	6 J	49	ND	ND	ND	ND	ND
Chloride	mg/l	--	18.5	98.1	35.2	53.2	52.3	62.8	60.9
Hardness	mg/l	--	143	143	118	107	111	99.2	86.8
Nitrate/Nitrite-N	mg/L	10	3.3	3.2	3.2	2.51	2.53	2.4	2.2
pH	pH_Units	--	8.16	7.69	7.48	7.99	7.64	7.71	7.35
Specific Conductance	umhos/cm	--	352	508	326	342	335	362	322
Sulfate	mg/l	--	12.5	9.9	9.8	5.7	7.4	4.6	3.5
Total Dissolved Solids	mg/L	--	184	316	184	184	196	204	211
Turbidity	NTU	--	ND	0.7	ND	ND	1.1	1.6	1.3

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-12									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**5/14/1996**	**5/15/1996**	**5/16/1996**	**5/17/1996**	**11/5/1996**	**4/15/1997**	**10/31/1997**	**6/24/1998**
Acetone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	20 µg/L	1.7 µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/5/1996	4/15/1997	10/31/1997	6/24/1998
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/10/1998	5/25/1999	11/19/1999	5/23/2000	12/14/2000	6/6/2001	11/15/2001	6/12/2002
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/10/1998	5/25/1999	11/19/1999	5/23/2000	12/14/2000	6/6/2001	11/15/2001	6/12/2002
Iodomethane	ug/l	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	11/5/2002	6/17/2003	12/5/2003	6/22/2004	10/20/2004	6/15/2005	11/1/2005	3/17/2006
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND

Location ID:	M-12									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**11/5/2002**	**6/17/2003**	**12/5/2003**	**6/22/2004**	**10/20/2004**	**6/15/2005**	**11/1/2005**	**3/17/2006**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/11/2006	2/21/2007	8/14/2007	2/7/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	--	--	--	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	--	--	ND

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/11/2006	2/21/2007	8/14/2007	2/7/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/7/2010	1/7/2011	8/1/2011	2/24/2012	8/22/2012	1/10/2013	8/28/2013	2/4/2014
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter Name	Units	MCL	9/7/2010	1/7/2011	8/1/2011	2/24/2012	8/22/2012	1/10/2013	8/28/2013	2/4/2014
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/7/2014	2/11/2015	8/20/2015	2/17/2016	8/3/2016	1/12/2017	7/20/2017	1/23/2018
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND U
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U

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Parameter Name	Units	MCL	8/7/2014	2/11/2015	8/20/2015	2/17/2016	8/3/2016	1/12/2017	7/20/2017	1/23/2018
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND U
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND U
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
m+p Xylenes	ug/L	10000	ND	1.31	ND	ND	ND	ND	ND	ND U
Total Xylenes	ug/L	10000	ND	1.31	ND	ND	ND	ND	ND	ND U
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/12/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
Acetone	ug/L	--	3.6 J	ND	ND	ND	6.8	ND	ND	3.6 J
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-12									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**7/12/2018**	**2/13/2019**	**8/16/2019**	**3/17/2020**	**8/25/2020**	**3/16/2021**	**7/26/2021**	**3/2/2022**
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	0.58 J	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	1.1	0.69 J	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/12/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	1/23/2024	8/26/2024	2/3/2025	7/22/2025	1/6/2026
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	0.48 J	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	2.3	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-12									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**9/21/2022**	**3/9/2023**	**7/19/2023**	**1/23/2024**	**8/26/2024**	**2/3/2025**	**7/22/2025**	**1/6/2026**
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	5.12	ND U	4.22	4.54
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	ND U	ND U	2.3	2.59
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	ND U	ND U	ND U	1.11
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	ND U	ND U	ND U	1.88

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/5/1996	4/15/1997	10/31/1997	6/24/1998
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.009	0.015	0.009	0.011	0.014	0.012	0.011	0.012
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	0.002	ND	ND	ND
Cadmium, total	mg/l	0.005	0.0026	0.0038	ND	0.0043	0.001	0.002	ND	ND
Calcium, total	mg/l	--	23.6	22	21.4	21.1	24	21	30.2	28.8
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.007	ND	0.008	ND	ND	ND	ND
Iron, total	mg/l	--	0.227	ND	0.021	1.11	0.64	0.14	ND	0.375
Lead, total	mg/l	0.015	ND	0.002	0.01	0.003	ND	ND	0.002	ND
Magnesium, total	mg/l	--	10.6	9.88	10	9.44	11	11	12.4	13
Manganese, total	mg/l	--	0.036	0.05	0.039	0.068	ND	ND	0.034	0.014
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	0.005	ND	ND
Potassium, total	mg/l	--	1.34	1.15	1.02	1.42	ND	3.5	1.17	1.51
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	17.6	16.5	17.2	16.4	18	17	20.4	23.3
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.014	0.024	0.022	0.057	ND	0.11	0.009	0.01
Alkalinity, Total	mg/L	--	33	47	36	38	ND	52	47	34
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.6	28.9	32.1	35.6	39	40	64.6	49.2
Hardness	mg/l	--	95	95	98	98	100	120	58	125
Nitrate/Nitrite-N	mg/L	10	18.3	13.9	13.9	14.9	13	12	19	11.9
pH	pH_Units	--	6.64 units	6.45 units	6.65 units	7.13 units	6.29 units	6.94 units	6.68 units	6.41 units
Specific Conductance	umhos/cm	--	240	240	240	180	250	356	371	310
Sulfate	mg/l	--	10.1	10.9	10.7	10.4	ND	ND	7.32	1.98
Total Dissolved Solids	mg/L	--	252	210	220	210	190	310	197	200
Turbidity	NTU	--	8.3 mg/L	9.5 mg/L	6 mg/L	12 mg/L	5.3 mg/L	3.2 mg/L	16 mg/L	12 mg/L

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/10/1998	5/25/1999	11/19/1999	5/23/2000	12/14/2000	6/6/2001	11/15/2001	6/12/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.01	0.014	0.01	0.013	0.011	0.011	0.014	0.013
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	29.2	31.4	26.2	27.6	30.7	34.8	37.9	40.2
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.003	0.003	ND	0.003	ND	ND	0.004	0.003
Iron, total	mg/l	--	ND	0.064	ND	ND	0.158	0.298	ND	0.07
Lead, total	mg/l	0.015	0.003	0.004	ND	0.003	ND	ND	ND	ND
Magnesium, total	mg/l	--	13.8	14.3	12.3	13.7	14.2	16.4	17.2	17.5
Manganese, total	mg/l	--	0.035	0.038	0.017	0.025	0.006	0.01	0.011	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.33	1.43	0.619	1.87	1.72	1.48	1.08	1.4
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	0.002	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	21.9	24.4	ND	0.2	30.4	40.3	38.3	41.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.006	0.081	0.012	0.024	0.013	0.012	0.021	0.012
Alkalinity, Total	mg/L	--	31	47	30	26	26	36	42	29
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	59.2	63.7	64.8	97.5	107	137	139	114

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/10/1998	5/25/1999	11/19/1999	5/23/2000	12/14/2000	6/6/2001	11/15/2001	6/12/2002
Hardness	mg/l	--	133	149	122	130	137	158	164	168
Nitrate/Nitrite-N	mg/L	10	13.9	12.6	9.78	13.9	11.8	10.1	14.5	10.8
pH	pH_Units	--	6.64 units	6.46 units	6.27 units	6.24 units	6.25 units	5.5 units	6.42 units	6.28 units
Specific Conductance	umhos/cm	--	314.2	341.5	300.2	345	324.2	52.8	560	566
Sulfate	mg/l	--	2.53	3.33	2.19	2.54	ND	1.64	5.45	2.92
Total Dissolved Solids	mg/L	--	251	15	273	274	290	346	324	415
Turbidity	NTU	--	28 mg/L	16 mg/L	5.6 mg/L	4.9 mg/L	7.8 mg/L	6.8 mg/L	6.5 mg/L	1.3 mg/L

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	11/5/2002	6/17/2003	12/5/2003	6/22/2004	10/20/2004	6/15/2005	11/1/2005	3/17/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	0.003	0.002	ND	0.002
Barium, total	mg/l	2	0.017	0.022	0.015	0.015	0.024	0.019	0.015	0.053
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	0.005	ND	ND	0.009
Calcium, total	mg/l	--	39.8	37.7	30.9	35.4	40.3	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	0.008
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.057	0.003	ND	0.003	0.013	0.005	ND	0.019
Iron, total	mg/l	--	0.072	0.255	ND	ND	ND	0.347	0.014	6.81
Lead, total	mg/l	0.015	0.005	ND	ND	ND	0.002	ND	ND	0.006
Magnesium, total	mg/l	--	18	17.6	14.4	15.8	17.6	17	15.9	37.3
Manganese, total	mg/l	--	0.021	0.017	ND	0.006	0.017	0.009	ND	0.327
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	0.012	ND	ND	0.011
Potassium, total	mg/l	--	4	2.12	2.22	1.86	2.48	1.66	2.1	1.85
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	0.003
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	48.4	53.6	58	67.3	59.5	75.1	69	65.6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.033	0.012	0.015	0.015	0.061	0.017	ND	0.043
Alkalinity, Total	mg/L	--	40	48.3	32	29	49	33 mg/L as CaCO3	34 mg/L as CaCO3	98 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	12	ND	ND	ND	ND
Chloride	mg/l	--	121	130	117	169	183	197	175	178
Hardness	mg/l	--	177	168	139	162	171	167	157	351
Nitrate/Nitrite-N	mg/L	10	11.4	10.2	11.3	11.4	11.6	11 mg/L as N	10.3 mg/L as N	--
pH	pH_Units	--	10.7 units	6.97 units	4.86 units	6.54 units	6.58 units	--	--	--
Specific Conductance	umhos/cm	--	453.4	527	340.2	697	7.39	--	--	--
Sulfate	mg/l	--	2.54	4.63	0.806	4.23	2.79	1.6	1.34	13.3
Total Dissolved Solids	mg/L	--	318	425	411	454	433	493	426	516
Turbidity	NTU	--	7.6 mg/L	6.8 mg/L	3.35 mg/L	3 mg/L	8.4 mg/L	3.2	2.5	113

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/11/2006	2/21/2007	8/14/2007	2/7/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.003	0.003	0.004	0.002	0.003	ND	ND	ND
Barium, total	mg/l	2	0.021	0.025	0.028	0.036	0.017	0.027	0.021	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	75.6	54.8	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	--	71.2	82.3	79.7	75.8
Chromium, total	mg/l	0.1	ND	0.01	0.008	0.003	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.007	0.005	0.011	0.002	ND	ND	ND	ND
Iron, total	mg/l	--	0.128	0.882	2.34	0.161	ND	0.071	ND	0.095
Lead, total	mg/l	0.015	ND	0.002	0.003	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	16.3	32.8	25.4	--	33.4	41.8	35	34.3
Manganese, total	mg/l	--	0.017	0.071	0.141	0.01	0.004	0.019	0.025	0.005
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	--	--	--	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	--	--	--	1.92	1.61	1.41	1.08
Selenium, total	mg/l	0.05	ND	0.003	ND	0.004	0.002	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/11/2006	2/21/2007	8/14/2007	2/7/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Sodium, Total	mg/L	--	--	--	--	--	73	72.6	65	77.8
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.037	0.011	0.063	0.008	0.005	0.008	0.005	ND
Alkalinity, Total	mg/L	--	32 mg/L as CaCO3	137 mg/L as CaCO3	99 mg/L as CaCO3	181 mg/L as CaCO3	155 mg/L as CaCO3	195 mg/L as CaCO3	185 mg/L as CaCO3	165 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	11	ND	ND	ND
Chloride	mg/l	--	190	207	221	201	192	190	207	220
Hardness	mg/l	--	159	313	242	336 mg/L as CaCO3	315 mg/L as CaCO3	378 mg/L as CaCO3	334 mg/L as CaCO3	330 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	--	--	--	ND	8.5	8.32	7.42	7.96
pH	pH_Units	--	--	--	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	1.47	20.6	13.1	24.9	19.4	19.9	19	17.5
Total Dissolved Solids	mg/L	--	535	513	573	633	603	581	645	583
Turbidity	NTU	--	4.2	52	18	--	--	--	--	--

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/7/2010	1/7/2011	8/1/2011	2/24/2012	8/22/2012	1/10/2013	8/28/2013	2/4/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.019	0.023	0.024	0.024	0.0174	0.0321	0.0328	0.0369
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.003	ND	ND	ND	0.0133	ND	ND	ND
Calcium, total	mg/l	--	56.7	80.6	76.4	82.2	46.2	82	77	70.2
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.008	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.085	0.054	ND	ND	0.066	0.486	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	25.9	38.8	35.4	38.2	22.1	38.7	37.8	32.2
Manganese, total	mg/l	--	0.005	0.083	0.076	0.054	0.0029	0.132	0.136	0.15
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.008	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	6.11	1.7	1.98	2	27	1.53	1.52	1.35
Selenium, total	mg/l	0.05	ND	0.002	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	88	89.1	94.3	98.3	91.1	97.4	101	107
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.008	ND	ND	ND	0.0217	0.0352	0.011	0.0108
Alkalinity, Total	mg/L	--	103 mg/L as CaCO3	157 mg/L as CaCO3	162 mg/L as CaCO3	163 mg/L as CaCO3	101	165	169	181
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	19	ND	ND	ND
Chloride	mg/l	--	227	247	260	324	244	301	313	333
Hardness	mg/l	--	249 mg/L as CaCO3	361 mg/L as CaCO3	337 mg/L as CaCO3	362 mg/L as CaCO3	206	364	348	308
Nitrate/Nitrite-N	mg/L	10	11.2	8.29	7.57	6.27	9.36	5.91	5.65	5.1
pH	pH_Units	--	5.58 pH Units	6.05 pH Units	7.87 pH Units	7.73 pH Units	6.8 units	7.31 units	7.35 units	6.42 units
Specific Conductance	umhos/cm	--	1123 umhos @ 25°C	1183 umhos @ 25°C	1223 umhos @ 25°C	1372 umhos @ 25°C	1041 umhos	1261 umhos	1382 umhos	1408 umhos
Sulfate	mg/l	--	9.84	15.4	12.8	14	7.02	14.2	13.4	13.1
Total Dissolved Solids	mg/L	--	645	674	662	668	519	600	652	632
Turbidity	NTU	--	1	2.45	0.97	1.9	0.524	0.721	1.23	0.42

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/7/2014	2/11/2015	8/20/2015	2/17/2016	8/3/2016	1/12/2017	7/20/2017	1/23/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND U
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND U
Barium, total	mg/l	2	0.0342	0.0469	0.0484	0.0378	0.0447	0.0492	0.0409	0.05
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND U
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	0.00047 J
Calcium, total	mg/l	--	80.6	72.7	68.2	84.5	77.5	82.3	79.9	71.9
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND U
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
Copper, total	mg/l	1.3	ND	ND	ND	0.0124	ND	ND	ND	0.0038 J
Iron, total	mg/l	--	ND	0.129	0.0581	ND	ND	ND	ND	ND U

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/7/2014	2/11/2015	8/20/2015	2/17/2016	8/3/2016	1/12/2017	7/20/2017	1/23/2018
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND U
Magnesium, total	mg/l	--	37.4	36.6	39.2	37.8	36	38.9	37.8	36.3
Manganese, total	mg/l	--	0.053	0.163	0.16	0.0299	0.137	0.161	0.084	0.15
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND U
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
Potassium, total	mg/l	--	1.77	1.7	1.94	2.08	2.3	2.72	3.09	2.8
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND U
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
Sodium, Total	mg/L	--	118	113	125	126	134	122	123	123
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND U
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Zinc, total	mg/l	--	0.0089	0.0125	ND	ND	ND	ND	ND	0.0024 J
Alkalinity, Total	mg/L	--	161	173	155	155	156	164	168	197
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	6 J
Chloride	mg/l	--	390	359	436	335	428	414	365	317
Hardness	mg/l	--	355	182	332	367	342	366	355	329
Nitrate/Nitrite-N	mg/L	10	5.68	5.18	5.7	5.6	5.73	5.83	5.61	5.4
pH	pH_Units	--	7.39 units	6.5 units	6.02 units	6.36 units	6.18 units	5.9 units	7.94 units	7.99
Specific Conductance	umhos/cm	--	1388 umhos	750 umhos	1411	1373	1415	1412	1439	1370
Sulfate	mg/l	--	10	9.76	9.26	9.77	9.75	9.78	9.99	10.5
Total Dissolved Solids	mg/L	--	746	684	746	749	750	729	807	644
Turbidity	NTU	--	1.32	1.63	1.27	0.466	0.862	2	1.22	0.21

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/12/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	0.0019 J	0.0016 J	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	0.0011 J	ND	ND
Barium, total	mg/l	2	0.039	0.039	0.052	0.044	0.058	0.028	0.028	0.1
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.0016	0.00075 J	0.00048 J	0.00072 J	0.0004 J	0.002	0.0047	0.001 J
Calcium, total	mg/l	--	77.1	69.8	67.3	75.5	66.2	44.1	48.7	72
Chromium, total	mg/l	0.1	0.0022 J	ND	0.0011 J	ND	0.00095 J	0.0042	0.00074 J	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0075	ND	ND	ND	ND	0.0042 J	0.0056 J	0.0038 J
Iron, total	mg/l	--	0.15	ND	0.019 J	ND	ND	0.39	0.14	1
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	0.0012 J	0.00075 J	ND
Magnesium, total	mg/l	--	39.1	30.2	35.2	37.3	37	23.1	25	39
Manganese, total	mg/l	--	0.013	0.046	0.16	0.064	0.14	0.091	0.13	0.48
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0048 J	ND	ND	ND	ND	0.004 J	0.0051 J	0.0021 J
Potassium, total	mg/l	--	5.3	2.3	2.9	3.8	3	80.8	52	5
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	0.0023	ND	ND
Sodium, Total	mg/L	--	130	147	144	151	149	105	114	143
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	0.00048 J	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	0.0047	0.0012 J	ND
Zinc, total	mg/l	--	0.0054 J	0.0089 J	0.0035 J	0.0024 J	0.002 J	0.012	0.014	0.0036 J
Alkalinity, Total	mg/L	--	183	185	187	237	187	254	179	207
Ammonia-N, Low Level	mg/L	--	0.153	0.11	ND	ND	0.05 J	3.53	0.35	1.99
Chemical Oxygen Demand (COD)	mg/L	--	ND	21	ND	9 J	29	14 J	ND	ND
Chloride	mg/l	--	340	334	314	312	339	192	262	312
Hardness	mg/l	--	354	299	313	342	317	205	225	341
Nitrate/Nitrite-N	mg/L	10	6.1	5.2	4.7	4.4	5.7	1.7	6.5	2
pH	pH_Units	--	7.98	7.74	7.9	7.83	7.83	8.21	8.16	8.22
Specific Conductance	umhos/cm	--	1400	1490	1440	1430	1380	1050	1180	1580
Sulfate	mg/l	--	11.4	8.8	8.7	7.9	9.2	38.4	20.1	8.1
Total Dissolved Solids	mg/L	--	708	783	719	578	792	624	666	704
Turbidity	NTU	--	1.04	0.19	0.6	0.28	0.81	2.73	1.74	5.93

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	1/23/2024	8/26/2024	2/3/2025	7/22/2025	1/6/2026
Antimony, total	mg/l	0.006	ND	ND	ND	0.00075 J	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-12
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	1/23/2024	8/26/2024	2/3/2025	7/22/2025	1/6/2026
Barium, total	mg/l	2	0.035	0.095	0.057	0.028	0.028	0.027	0.091	0.032
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.0027	0.00062 J	0.0015	0.0013	0.0013	0.00077 J	0.00051 J	0.0008 J
Calcium, total	mg/l	--	62.5	72.1	65.9	51.7	54.9	56	65.2	55.9
Chromium, total	mg/l	0.1	0.00094 J	0.0017 J	0.0016 J	0.0024	0.0011 J	0.00087 J	0.001 J	0.0012 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0026 J	0.0023 J	0.0031 J	0.0031 J	0.0026 J	0.0031 J	0.0023 J	0.0026 J
Iron, total	mg/l	--	0.091	0.77	0.35	0.13	0.1	0.054 J	0.97	0.061
Lead, total	mg/l	0.015	ND	ND	0.00097 J	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	31.4	39.5	33.3	24.4	26.7	26.7	34.5	26.5
Manganese, total	mg/l	--	0.11	0.38	0.29	0.033	0.065	0.019	0.39	0.094
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0028 J	0.003 J	0.0022 J	0.0034 J	0.0029 J	0.0023 J	0.0024 J	0.0044 J
Potassium, total	mg/l	--	13.5	5.3	10.8	50.8	32.3	28.3	7	16.2
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	131	136	127	118	124	132	122	126
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	0.0013 J	0.0013 J	0.0008 J	ND	ND
Zinc, total	mg/l	--	0.0063	0.0025 J	0.0085	0.0081	0.0073	0.0063	0.0061	0.0066
Alkalinity, Total	mg/L	--	189	209	212	220	187	185	215	184
Ammonia-N, Low Level	mg/L	--	0.08 J	0.04 J	0.36	0.05 J	0.01 J	0.03 J	0.67	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	5 J	10 J	ND	ND	ND	5 J	ND
Chloride	mg/l	--	253	279	285	231	234	265	338	248
Hardness	mg/l	--	285	343	302	230	247	250	281	216
Nitrate/Nitrite-N	mg/L	10	3.44	1.5 J	ND	ND	1.3 J	2	1.5 J	0.65
pH	pH_Units	--	8.33	8.42	8.22	8.3	8.71	8.43	8.35	8.2
Specific Conductance	umhos/cm	--	1280	1380	1310	1210	1210	1200	1270	1190
Sulfate	mg/l	--	11.1	7.6	12.6	22.4	17.7	16.8	12.4	11.3
Total Dissolved Solids	mg/L	--	650	682	764	620	586	604	670	650
Turbidity	NTU	--	1.4	4.3	3.5	5.3	0.8	0.45	5.3	1.1

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-14									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**5/17/1996**	**11/7/1996**	**4/17/1997**	**10/30/1997**	**6/26/1998**	**12/11/1998**	**5/26/1999**	**11/18/1999**
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	17 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/26/1998	12/11/1998	5/26/1999	11/18/1999
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	6/30/2000	12/15/2000	6/8/2001	11/16/2001	6/11/2002	11/7/2002	6/20/2003	12/2/2003
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

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Number of Sampling Dates: 62

Parameter Name	Units	MCL	6/30/2000	12/15/2000	6/8/2001	11/16/2001	6/11/2002	11/7/2002	6/20/2003	12/2/2003
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	1.1 µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	0.7 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	6/23/2004	10/22/2004	6/14/2005	11/3/2005	3/17/2006	9/13/2006	8/14/2007	2/7/2008
Acetone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND

Location ID:	M-14									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**6/23/2004**	**10/22/2004**	**6/14/2005**	**11/3/2005**	**3/17/2006**	**9/13/2006**	**8/14/2007**	**2/7/2008**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-14									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**8/5/2008**	**2/17/2009**	**8/18/2009**	**1/19/2010**	**9/9/2010**	**1/5/2011**	**7/28/2011**	**2/22/2012**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	--	--	ND	ND	ND	ND	ND

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/5/2008	2/17/2009	8/18/2009	1/19/2010	9/9/2010	1/5/2011	7/28/2011	2/22/2012
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/20/2012	1/9/2013	8/30/2013	2/4/2014	8/5/2014	2/13/2015	8/18/2015	2/19/2016
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND U
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND U
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U

Location ID:	M-14									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**8/20/2012**	**1/9/2013**	**8/30/2013**	**2/4/2014**	**8/5/2014**	**2/13/2015**	**8/18/2015**	**2/19/2016**
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	--
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND U
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-14									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**8/2/2016**	**1/10/2017**	**7/18/2017**	**1/25/2018**	**7/10/2018**	**11/15/2018**	**2/15/2019**	**8/15/2019**
Acetone	ug/L	--	ND	ND	ND	4.6 J	ND	--	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND U	ND	--	0.5 J	ND
2-Butanone	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND U	ND	--	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND U	0.33 J	--	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND U	ND	--	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND U	ND	--	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	--	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND U	ND	--	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND

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Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/2/2016	1/10/2017	7/18/2017	1/25/2018	7/10/2018	11/15/2018	2/15/2019	8/15/2019
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND U	ND	--	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND U	ND	--	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND U	ND	--	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND U	ND	--	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND U	ND	--	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND U	ND	--	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND U	ND	--	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND U	ND	--	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND U	ND	--	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND U	ND	--	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND U	ND	--	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	--	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	--	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND U	ND	--	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND U	ND	--	ND	ND
Bromoform	ug/L	80	ND	ND	ND	0.54 J	0.79 J	--	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND U	ND	--	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/3/2022	6/13/2022	9/22/2022	3/8/2023
Acetone	ug/L	--	ND	4.6 J	ND	5 J	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/3/2022	6/13/2022	9/22/2022	3/8/2023
Bromomethane	ug/L	--	ND	ND	ND	0.72 J	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	0.32 J	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	0.45 J	ND	ND	ND	ND	0.37 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	0.56 J	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter Name	Units	MCL	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/3/2022	6/13/2022	9/22/2022	3/8/2023
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

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Number of Sampling Dates: 62

Parameter Name	Units	MCL	7/18/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	0.37 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	7/18/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026		
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND		
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND		
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND		
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND		
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND		
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND		
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND		
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND		
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND		
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND		
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND		
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND		
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND		
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND		
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	ND U	ND U	ND U	1.71		
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	ND U	ND U	ND U	ND U		
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	ND U	ND U	ND U	ND U		
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	ND U	ND U	ND U	ND U		
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	ND U	ND U	ND U	ND U		
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	ND U	ND U	ND U	1.27		

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/26/1998	12/11/1998	5/26/1999	11/18/1999
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.007	0.012	0.002	0.008	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	0.002	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.0014	0.0075	ND	ND	ND	ND	ND	0.027
Calcium, total	mg/l	--	5.81	6	5.3	6.83	6.4	6.7	6.67	6.47
Chromium, total	mg/l	0.1	ND	0.019	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	0.004
Copper, total	mg/l	1.3	0.016	ND	0.006	0.004	ND	0.004	ND	ND
Iron, total	mg/l	--	1.04	ND	ND	0.661	0.016	ND	ND	0.093
Lead, total	mg/l	0.015	0.004	0.017	ND	0.006	ND	0.006	0.004	0
Magnesium, total	mg/l	--	2.15	2.3	1.8	2.61	2.41	2.61	2.79	2.59
Manganese, total	mg/l	--	0.008	ND	ND	ND	ND	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.23	1.5	1.9	3.52	2.64	4.32	2.44	4.06
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	1.55	2.4	2.2	2.1	1.58	2.13	2.13	2.26
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.095	0.052	0.03	0.026	0.01	0.01	0.024	0.017
Alkalinity, Total	mg/L	--	32	28	24	31	27	58	28	34
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	2.78	2	2	6.78	2.44	2.08	1.78	14.5
Hardness	mg/l	--	38	34	28	27	26	28	29	27.1
Nitrate/Nitrite-N	mg/L	10	0.96	0.17	0.25	0.406	0.34	0.413	0.13	0.54
pH	pH_Units	--	5.3 units	6.85 units	6.96 units	6.74 units	6.64 units	6.45 units	6.74 units	6.93 units
Specific Conductance	umhos/cm	--	--	45	56	17.8	50	57.1	75.5	55.1
Sulfate	mg/l	--	ND	ND	ND	0.92	1.32	0.821	ND	ND
Total Dissolved Solids	mg/L	--	34	48	73	50	42	41	48	49
Turbidity	NTU	--	13	11	1.2	3.8	2.7	1.7	2.1	2.5

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	6/30/2000	12/15/2000	6/8/2001	11/16/2001	6/11/2002	11/7/2002	6/20/2003	12/2/2003
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.006	0.004	0.004	ND	ND	ND	0.003
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	6.88	6.83	7.25	7.54	8.86	8.19	7.26	7.4
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.003	0.006	0.005	ND	ND	ND	ND
Iron, total	mg/l	--	0.011	1.22	0.113	0.083	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	0.005	0.003	0.002	ND	ND	ND	ND
Magnesium, total	mg/l	--	2.66	2.63	2.95	3.01	3.43	3.17	2.85	2.83
Manganese, total	mg/l	--	ND	ND	ND	0.007	ND	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	0.0007	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.73	3.01	1.4	1.43	0.472	0.788	1.46	2.66
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	1.72	2.35	2.38	2.47	2.01	1.82	1.75	2.04
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.014	0.024	0.017	0.038	0.022	0.011	0.014	0.021
Alkalinity, Total	mg/L	--	30	21	27	31	33	37	28	33
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	1.83	3.59	3.2	2.18	4.43	2.88	3.27	3.47

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	6/30/2000	12/15/2000	6/8/2001	11/16/2001	6/11/2002	11/7/2002	6/20/2003	12/2/2003
Hardness	mg/l	--	28.1	29.8	31.4	33.6	32.8	35	29.7	31
Nitrate/Nitrite-N	mg/L	10	0.326	1.21	1.27	0.291	0.404	0.28	0.32	0.376
pH	pH_Units	--	6.8 units	6.87 units	6.78 units	6.77 units	6.84 units	11.2 units	5.97 units	7.1 units
Specific Conductance	umhos/cm	--	17	56.7	63.3	79.4	89.4	84	58.9	67.5
Sulfate	mg/l	--	1.22	ND	ND	ND	3.18	0.491	1.35	0.765
Total Dissolved Solids	mg/L	--	10	74	59	28	28	43	37	66
Turbidity	NTU	--	1.3	22.6	2.2	1.2	1.6	2.6	0.68	1.8

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	6/23/2004	10/22/2004	6/14/2005	11/3/2005	3/17/2006	9/13/2006	8/14/2007	2/7/2008
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	0.004	0.004	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	7.45	ND
Calcium, total	mg/l	--	6.97	7.79	--	--	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.009	0.004	ND	ND	ND	0.008	ND	ND
Iron, total	mg/l	--	0.019	0.164	0.015	0.034	0.074	0.13	0.119	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	2.71	3.53	2.78	2.86	3.02	3.17	2.89	--
Manganese, total	mg/l	--	ND	ND	0.007	ND	ND	0.015	0.006	ND
Mercury, Total	mg/L	0.002	ND	ND	0	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	--	--	ND
Potassium, total	mg/l	--	1.45	3.16	1	1.12	3.61	--	--	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.86	2.37	2.13	1.94	2.84	--	--	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.015	0.017	0.009	0.003	0.018	0.034	0.008	0.005
Alkalinity, Total	mg/L	--	24	33	27 mg/L as CaCO3	32 mg/L as CaCO3	36 mg/L as CaCO3	33 mg/L as CaCO3	30 mg/L as CaCO3	30 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND
Chemical Oxygen Demand (COD)	mg/L	--	21	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	3.53	3.8	4.53	4.64	5.05	5.54	7.48	6.81
Hardness	mg/l	--	30.9	37	32.5	32.9	32.9	35.3	30.5	36.3 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	0.37	0.36	0.42 mg/L as N	0.4 mg/L as N	--	--	--	ND
pH	pH_Units	--	5.74 units	7.71 units	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	74.4	83.1	--	--	--	--	--	--
Sulfate	mg/l	--	0.97	0.61	0.99	0.91	1.2	1.19	0.79	0.76
Total Dissolved Solids	mg/L	--	36	36	40	47	74	45	34	57
Turbidity	NTU	--	2	4.5	0.94	1.1	2.9	3	3.9	--

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/5/2008	2/17/2009	8/18/2009	1/19/2010	9/9/2010	1/5/2011	7/28/2011	2/22/2012
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	8.52	9.98	9.08	9.99	10.3	11.2	11.3	13.8
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	3.55	4.15	3.5	3.79	4.07	4.42	4.38	5.46
Manganese, total	mg/l	--	ND	ND	ND	ND	0.002	0.002	0.003	0.002
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	ND	0.603	ND	ND	ND	ND	ND	ND
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/5/2008	2/17/2009	8/18/2009	1/19/2010	9/9/2010	1/5/2011	7/28/2011	2/22/2012
Sodium, Total	mg/L	--	2.11	2.2	2.22	2.57	2.84	3.03	3.2	3.27
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.007	0.004	0.006	0.016	ND	ND	ND	ND
Alkalinity, Total	mg/L	--	30 mg/L as CaCO3	37 mg/L as CaCO3	31.1 mg/L as CaCO3	31 mg/L as CaCO3	31 mg/L as CaCO3	29 mg/L as CaCO3	32 mg/L as CaCO3	40 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	7.7	8.4	8.93	9.94	10.2	10.6	11.5	12.2
Hardness	mg/l	--	35.8 mg/L as CaCO3	42 mg/L as CaCO3	37.1 mg/L as CaCO3	40.5 mg/L as CaCO3	42.5 mg/L as CaCO3	46.2 mg/L as CaCO3	46.2 mg/L as CaCO3	57 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	0.81	ND	0.91	0.91	1.4	0.67	1.09	0.69
pH	pH_Units	--	--	--	--	--	6.01 pH Units	5.79 pH Units	7.06 pH Units	6.45 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	146 umhos @ 25°C	118 umhos @ 25°C	130 umhos @ 25°C	142 umhos @ 25°C
Sulfate	mg/l	--	0.56	0.72	0.89	0.88	0.85	0.77	0.89	1.15
Total Dissolved Solids	mg/L	--	39	45	61	58	59	50	37	93
Turbidity	NTU	--	--	--	--	0.12	0.74	0.31	0.54	0.3

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/20/2012	1/9/2013	8/30/2013	2/4/2014	8/5/2014	2/13/2015	8/18/2015	2/19/2016
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	0.000321 B
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	ND	ND	ND	ND	ND	ND	0.0044 B
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	12.5	12.9	15	11.8	12.7	13.7	14.3	15.1
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	0.000388 B
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	0.0027 B
Iron, total	mg/l	--	0.0616	ND	0.334	ND	ND	ND	ND	0.0268 B
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	5.06	5.08	6.08	4.89	5.15	5.24	5.83	6
Manganese, total	mg/l	--	0.0021	0.0023	ND	ND	ND	0.0033	ND	0.000778 B
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.0071	ND	ND	ND	ND	0.00043 B
Potassium, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	0.43 B
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	0.0022	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.22	2.89	3.9	3.52	3.92	3.78	4.32	4.4
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	0.000315 B
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.014	0.0091	ND	0.0161	ND	ND	ND	ND
Alkalinity, Total	mg/L	--	36.4	38.8	38.7	36.2	37.4	37.9	35.7	38.1
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	12.6	13.5	14.4	14.6	14.6	15.8	16.6	17
Hardness	mg/l	--	52	53.1	62.5	49.6	52.9	34.2	59.6	62.4
Nitrate/Nitrite-N	mg/L	10	0.454	0.397	0.48	0.463	0.49	0.471	0.529	0.731
pH	pH_Units	--	6.06 units	6.25 units	6.39 units	5.94 units	6.37 units	5.71 units	5.75 units	5.85 units
Specific Conductance	umhos/cm	--	130.4 umhos	194.1 umhos	146.3 umhos	160.6 umhos	158.1 umhos	141.1 umhos	157	178
Sulfate	mg/l	--	ND	1.42	1.23	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	69	74	80	76	75	64	67	83
Turbidity	NTU	--	0.25	0.145	0.135	0.14	0.286	0.149	0.161	0.682

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/2/2016	1/10/2017	7/18/2017	1/25/2018	7/10/2018	11/15/2018	2/15/2019	8/15/2019
Antimony, total	mg/l	0.006	ND	ND	ND	ND U	ND	--	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND U	ND	--	ND	ND
Barium, total	mg/l	2	0.0044	0.0047	0.005	0.0046 J	0.0074	--	0.0054 J	0.0052 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND U	ND	--	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND U	ND	--	ND	ND
Calcium, total	mg/l	--	13.2	16.4	17.4	14.8	16.1	--	12	14
Chromium, total	mg/l	0.1	ND	ND	ND	0.00087 J	0.23	ND	0.001 J	0.0012 J
Cobalt, total	mg/l	--	ND	ND	ND	ND U	0.0058	--	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND U	0.014	--	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND U	2.1	--	ND	ND

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Parameter Name	Units	MCL	8/2/2016	1/10/2017	7/18/2017	1/25/2018	7/10/2018	11/15/2018	2/15/2019	8/15/2019
Lead, total	mg/l	0.015	ND	ND	ND	ND U	ND	--	ND	ND
Magnesium, total	mg/l	--	5.24	6.44	7.06	6.2	7.3	--	4.7	6
Manganese, total	mg/l	--	ND	0.0111	ND	ND U	0.019	--	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND U	ND	--	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND U	0.25	--	ND	ND
Potassium, total	mg/l	--	0.43	0.456	0.446	0.4	0.61	--	0.52	0.48
Selenium, total	mg/l	0.05	ND	ND	ND	ND U	ND	--	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND U	ND	--	ND	0.0029
Sodium, Total	mg/L	--	4.53	3.98	4.39	4.4	5.4	--	4.6	4.9
Thallium, total	mg/l	0.002	ND	ND	ND	ND U	ND	--	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND U	ND	--	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	ND U	0.0024 J	--	0.0045 J	0.0049 J
Alkalinity, Total	mg/L	--	35.5	45.7	48.6	52	47	--	37	47
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	0.039 J	0.731	--	0.137	ND
Chemical Oxygen Demand (COD)	mg/L	--	7 J	ND	ND	ND U	ND	--	ND	ND
Chloride	mg/l	--	18.1	17.8	19.8	23.9	26.3	--	25.2	23
Hardness	mg/l	--	54.5	67.5	72.4	62.5	70.1	--	49.5	59.7
Nitrate/Nitrite-N	mg/L	10	0.512	0.467	0.466	0.46	0.5	--	0.67	0.56
pH	pH_Units	--	5.79 units	5.56 units	6.95 units	7.15	7.25	--	6.83	7.12
Specific Conductance	umhos/cm	--	146	168	166	146	164	--	131	146
Sulfate	mg/l	--	1.31	1.32	1.2	1 J	0.84 J	--	0.6 J	0.78 J
Total Dissolved Solids	mg/L	--	68	86	89	114	110	--	100	87
Turbidity	NTU	--	0.16	1.18	0.26	0.24	2.37	--	ND	0.34

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/3/2022	6/13/2022	9/22/2022	3/8/2023
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0053 J	0.0054 J	0.0057	0.0053 J	0.0059	0.007	0.0063	0.0062
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	14.6	11.4	14.7	13.6	15.2	17	17.1	15.5
Chromium, total	mg/l	0.1	0.0019 J	ND	ND	ND	ND	ND	ND	0.0012 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.021 J	0.025 J	ND	0.29	0.061	0.07	ND	0.02 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	6	4.9	6	5.7	6.8	7.2	7.7	6.6
Manganese, total	mg/l	--	ND	ND	ND	ND	ND	0.0041 J	ND	0.0025 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.62	6.7	0.8	0.83	0.53	0.48	0.54	0.48
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	5.1	6.4	5.7	5.3	5.6	5.3	5.4	5.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.004 J	0.0039 J	ND	ND	0.003 J	0.00021 J	ND	ND
Alkalinity, Total	mg/L	--	49	43	44	40	43	50	52	62
Ammonia-N, Low Level	mg/L	--	ND	0.03 J	ND	0.01 J	0.05 J	0.16	0.03 J	0.02 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	15	ND	ND	ND	ND	ND	11 J
Chloride	mg/l	--	21.8	24.1	29	23.1	22.9	28.3	22.7	23.8
Hardness	mg/l	--	61	49	61.5	57.6	65.9	71.9	74.4	65.8
Nitrate/Nitrite-N	mg/L	10	0.46	0.74	0.88	0.54	0.7 J	1 J	0.61 J	0.6
pH	pH_Units	--	7.46	7.32	7.73	6.89	7.67	7.7	7.97	8.07
Specific Conductance	umhos/cm	--	165	163	172	157	182	181	183	173
Sulfate	mg/l	--	0.46 J	0.88 J	1 J	0.6 J	1.5 J	ND	ND	ND
Total Dissolved Solids	mg/L	--	112	94	86	100	106	97	105	106
Turbidity	NTU	--	ND	0.3	ND	0.17	0.1	0.22	0.62	0.55

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	7/18/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND

Location ID: M-14
Number of Sampling Dates: 62

Parameter Name	Units	MCL	7/18/2023	1/22/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Barium, total	mg/l	2	0.006	0.0062	0.0072	0.0069	0.0064	0.0069
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	14.3	15.3	15.2	17.3	15.7	15.6
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0093	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	6.2	6.7	6.2	7.3	6.6	6.3
Manganese, total	mg/l	--	ND	ND	ND	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.61	0.69	1.8	0.53	0.51	2.7
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	5.7	5.9	6.2	5.8	5.6	6.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	ND	ND	0.002 J
Alkalinity, Total	mg/L	--	45	49	46	54	47	51
Ammonia-N, Low Level	mg/L	--	ND	0.04 J	0.14	0.02 J	1.63	0.02 J
Chemical Oxygen Demand (COD)	mg/L	--	8 J	ND	ND	ND	ND	ND
Chloride	mg/l	--	24.5	24.4	24.4	25.9	23.8	23.9
Hardness	mg/l	--	61.5	65.6	63.4	73	59.5	57
Nitrate/Nitrite-N	mg/L	10	ND	ND	0.59	ND	ND	0.47
pH	pH_Units	--	7.81	7.83	7.96	7.89	7.8	7.69
Specific Conductance	umhos/cm	--	172	176	171	182	177	181
Sulfate	mg/l	--	ND	ND	ND	ND	ND	0.74
Total Dissolved Solids	mg/L	--	92	99	75	90	117	98
Turbidity	NTU	--	0.8	ND	ND	ND	1.4	1.8

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-15									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**5/14/1996**	**5/15/1996**	**5/16/1996**	**5/17/1996**	**11/7/1996**	**4/15/1997**	**10/30/1997**	**6/26/1998**
Acetone	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	7.4 µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Ethylbenzene	ug/L	700	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Iodomethane	ug/l	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	--	--	--	ND µg/l	ND µg/l	0.8 µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2,3-Trichloropropane	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	--	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Chloride	ug/L	2	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/26/1998
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	ND µg/l	--	--	--	ND µg/l	1 µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/11/1998	5/26/1999	11/18/1999	6/30/2000	12/15/2000	6/8/2001	11/15/2001	6/11/2002
Acetone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l

Location ID:	M-15									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**12/11/1998**	**5/26/1999**	**11/18/1999**	**6/30/2000**	**12/15/2000**	**6/8/2001**	**11/15/2001**	**6/11/2002**
Iodomethane	ug/l	--	--	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-15									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**11/7/2002**	**6/20/2003**	**12/2/2003**	**6/23/2004**	**10/22/2004**	**6/14/2005**	**11/3/2005**	**3/17/2006**
Acetone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Bromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
2-Butanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Chloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Chloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND

Location ID:	M-15									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**11/7/2002**	**6/20/2003**	**12/2/2003**	**6/23/2004**	**10/22/2004**	**6/14/2005**	**11/3/2005**	**3/17/2006**
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Iodomethane	ug/l	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Toluene	ug/L	1000	ND µg/l	0.7 µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Trichlorofluoromethane	ug/L	--	1 µg/l	ND µg/l	0.8 µg/l	1.1 µg/l	0.94 µg/l	0.9	0.8	1.2
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/13/2006	2/23/2007	8/14/2007	2/7/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	2.8	ND	ND	1.01	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	--	--	--	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	--	--	ND

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/13/2006	2/23/2007	8/14/2007	2/7/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/9/2010	1/5/2011	7/28/2011	2/22/2012	8/20/2012	1/9/2013	8/29/2013	2/4/2014
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/9/2010	1/5/2011	7/28/2011	2/22/2012	8/20/2012	1/9/2013	8/29/2013	2/4/2014
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/5/2014	2/13/2015	8/18/2015	2/19/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018
Acetone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	4.8 J
Acrylonitrile	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Benzene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
Bromochloromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Bromomethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
2-Butanone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Carbon Disulfide	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
Chlorobenzene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND U
Chloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Chloromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND U	ND	ND	ND	ND U
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND U	ND	ND	ND	ND U
Dibromomethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND U	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND U	ND	ND	ND	ND U
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/5/2014	2/13/2015	8/18/2015	2/19/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND U	ND	ND	ND	ND U
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND U	ND	ND	ND	ND U
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND U
Methylene Chloride	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Ethylbenzene	ug/L	700	ND	ND	ND	ND U	ND	ND	ND	ND U
2-Hexanone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Iodomethane	ug/l	--	ND	ND	ND	ND U	ND	ND	ND	ND U
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Styrene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND U
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Tetrachloroethene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
Toluene	ug/L	1000	ND	ND	ND	ND U	ND	ND	ND	ND U
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND U	ND	ND	ND	ND U
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
Trichloroethene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND U
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND U	0.3 J	ND	ND	ND U
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND U
Vinyl Acetate	ug/L	--	ND	ND	ND	--	ND	ND	ND	ND U
Vinyl Chloride	ug/L	2	ND	ND	ND	ND U	ND	ND	ND	ND U
o-Xylene	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND U
m+p Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND U
Total Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND U
Bromodichloromethane	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND U
Dibromochloromethane	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND U
Bromoform	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND U
Chloroform	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND U
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/10/2018	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022
Acetone	ug/L	--	ND	ND	4.2 J	ND	ND	ND	4.9 J	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-15									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**7/10/2018**	**2/15/2019**	**8/15/2019**	**3/18/2020**	**8/26/2020**	**3/11/2021**	**7/28/2021**	**3/1/2022**
Bromomethane	ug/L	--	ND	0.6 J	ND	ND	ND	ND	0.89 J	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	0.29 J	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	0.36 J	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	0.56 J	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	0.47 J	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	0.4 J	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/10/2018	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/8/2023	7/18/2023	1/25/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Acetone	ug/L	--	3.1 J	ND	3.2 J	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	0.36 J	ND	ND	ND	0.33 J	ND	0.48 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-15									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**9/21/2022**	**3/8/2023**	**7/18/2023**	**1/25/2024**	**8/28/2024**	**2/4/2025**	**7/21/2025**	**1/5/2026**
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	ND U	ND U	ND U	1.19
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	ND U	ND U	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	ND U	ND U	ND U	0.84 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	ND U	ND U	ND U	ND U

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/7/1996	4/15/1997	10/30/1997	6/26/1998
Antimony, total	mg/l	0.006	ND	ND	ND	0.036	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.01	0.006	0.006	0.006	ND	0.003	0.005	0.004
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	0.003	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	0.0016	ND	ND	ND
Calcium, total	mg/l	--	10.1	10.3	10.1	10.3	6.9	6.1	7.06	7.82
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.0027	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.004	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.97	0.78	0.819	ND	0.05	1.29	1.76
Lead, total	mg/l	0.015	0.006	ND	ND	ND	0.011	ND	0.003	0.002
Magnesium, total	mg/l	--	3.68	3.97	3.91	3.87	2.5	2.2	2.67	2.94
Manganese, total	mg/l	--	0.074	ND	0.013	ND	ND	ND	ND	0.042
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	0.0003	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.85	1.44	1.96	2.95	7.3	3.2	1.53	3.25
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.4	2.4	2.47	2.78	3.2	1.7	2.68	2.41
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.031	0.009	0.01	0.029	ND	0.025	0.023	0.014
Alkalinity, Total	mg/L	--	34	36	41	37	ND	22	28	24
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	5.26	4.53	3.27	5.73	5	3.5	8.78	3.91
Hardness	mg/l	--	40	38	60	45	32	30	28	31
Nitrate/Nitrite-N	mg/L	10	ND	3.17	2.72	3.31	1.4	1.5	1.84	2.06
pH	pH_Units	--	6.86 units	6.49 units	6.88 units	5.5 units	6.68 units	6.63 units	6.4 units	6.25 units
Specific Conductance	umhos/cm	--	80	80	75	10	45	33.4	17.4	70
Sulfate	mg/l	--	8.84	9.99	9.62	9.87	ND	ND	1.07	1.02
Total Dissolved Solids	mg/L	--	70	72	85	71	48	30	45	52
Turbidity	NTU	--	67	22	18	15	29	11	28	30

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/11/1998	5/26/1999	11/18/1999	6/30/2000	12/15/2000	6/8/2001	11/15/2001	6/11/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.004	0.007	0.004	0.005	0.005	0.006	0.004
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	0.016	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	5.31	5.58	5.29	6.13	7.6	5.55	6.83	6.99
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.015	ND	0.006	0.006	ND	0.013
Iron, total	mg/l	--	0.462	0.651	ND	0.639	0.325	0.02	ND	0.011
Lead, total	mg/l	0.015	0.004	0.002	0.006	ND	0.003	ND	ND	ND
Magnesium, total	mg/l	--	2.16	2.34	2.55	2.47	3.09	2.32	2.77	2.8
Manganese, total	mg/l	--	0.026	0.024	ND	ND	ND	0.039	ND	0.025
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.013	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.12	0.651	1.3	2.08	1.39	1.71	2.38	1.59
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	0.003	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.31	2.51	2.26	2.49	1.79	2.27	3.03	3.35
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.008	0.018	0.041	0.01	0.036	0.015	ND	0.027
Alkalinity, Total	mg/L	--	33	17	20	26	29	21	22	22
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/11/1998	5/26/1999	11/18/1999	6/30/2000	12/15/2000	6/8/2001	11/15/2001	6/11/2002
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	12
Chloride	mg/l	--	4.11	3.93	3.93	4.73	2.18	3.9	5.49	5.58
Hardness	mg/l	--	23	24	25.9	26.8	33	25.7	30.8	28.6
Nitrate/Nitrite-N	mg/L	10	1.61	1.56	1.59	1.96	0.353	ND	2.95	2.05
pH	pH_Units	--	6.24 units	6.33 units	6.23 units	6.08 units	6.4 units	6.29 units	5.97 units	6.54 units
Specific Conductance	umhos/cm	--	49.7	71.7	49.4	51	56	59.2	86.2	88.6
Sulfate	mg/l	--	2.6	ND	ND	1.28	ND	ND	ND	2.69
Total Dissolved Solids	mg/L	--	36	50	49	16	45	60	45	46
Turbidity	NTU	--	15	24	14	9.2	7.96	29	17	16

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	11/7/2002	6/20/2003	12/2/2003	6/23/2004	10/22/2004	6/14/2005	11/3/2005	3/17/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.019	0.003	ND	ND	0.008	0.007	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	6.73	6.86	5.51	6.03	7.94	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.013	0.004	0.009	ND	0.008	0.008	0.004
Iron, total	mg/l	--	ND	ND	0.91	0.112	ND	1.18	0.517	1.42
Lead, total	mg/l	0.015	ND	0.003	ND	ND	ND	0.002	ND	ND
Magnesium, total	mg/l	--	2.79	2.92	2.49	2.59	3.22	3.99	3.26	4.18
Manganese, total	mg/l	--	0.019	0.037	0.011	ND	0.026	0.05	0.015	0.041
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	0.027	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	2.01	1.59	1.57	2.15	1.37	2.58	1.39	0.995
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.82	2.86	2.95	2.44	2.85	3.75	2.95	2.88
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.009	0.064	0.017	0.021	0.009	0.018	0.01	0.015
Alkalinity, Total	mg/L	--	22	22	21	18	29	35 mg/L as CaCO3	29 mg/L as CaCO3	35 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	14	ND	13	ND	ND
Chloride	mg/l	--	4.9	4.54	3.73	4.12	5.02	6.96	5.31	6.39
Hardness	mg/l	--	30	31.4	24.3	28.1	37	44.7	38	46.1
Nitrate/Nitrite-N	mg/L	10	1.85	1.71	1.29	1.33	1.68	1.97 mg/L as N	1.69 mg/L as N	--
pH	pH_Units	--	10.6 units	5.5 units	6.4 units	6 units	7.7 units	--	--	--
Specific Conductance	umhos/cm	--	74.2	60.6	652	75	181	--	--	--
Sulfate	mg/l	--	ND	1.37	0.485	0.89	0.55	1.1	0.96	1.37
Total Dissolved Solids	mg/L	--	55	51	65	40	44	57	81	91
Turbidity	NTU	--	16	14	31	21	20	15	42	33.6

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/13/2006	2/23/2007	8/14/2007	2/7/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	0.002	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.01	ND	0.006	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	8.94	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	--	16	18.4	16.4	18.5
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.004	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.01	0.006	0.006	ND	ND	ND	ND	ND
Iron, total	mg/l	--	4.97	5.76	0.752	0.465	0.149	0.206	0.071	0.055
Lead, total	mg/l	0.015	0.004	0.004	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	3.27	3.05	3.41	--	5.73	6.56	5.55	6.4
Manganese, total	mg/l	--	0.143	0.158	0.018	0.015	0.005	0.01	0.006	0.005
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/13/2006	2/23/2007	8/14/2007	2/7/2008	8/5/2008	2/17/2009	8/18/2009	1/19/2010
Nickel, total	mg/l	--	--	--	--	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	--	--	--	2	0.96	2.21	1.76
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	--	--	--	--	3.25	3.23	3.32	3.51
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.045	0.023	0.032	0.005	0.01	0.007	0.019	ND
Alkalinity, Total	mg/L	--	25 mg/L as CaCO3	23 mg/L as CaCO3	28 mg/L as CaCO3	56 mg/L as CaCO3	58 mg/L as CaCO3	61 mg/L as CaCO3	59.1 mg/L as CaCO3	57 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	12	ND	ND	ND	ND	ND
Chloride	mg/l	--	5.63	5.54	11.4	8.32	8.27	9.17	8.51	9.52
Hardness	mg/l	--	36.5	3 date analyzed	36.3	66.3 mg/L as CaCO3	63.6 mg/L as CaCO3	72.9 mg/L as CaCO3	63.9 mg/L as CaCO3	72.6 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	--	--	--	2.25	2.31	3.01	0.95	2.57
pH	pH_Units	--	--	--	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	--	--	--	--	--	--	--	--
Sulfate	mg/l	--	1.15	ND	4.7	1.3	0.61	1.14	1.4	1.53
Total Dissolved Solids	mg/L	--	57	48	42	101	85	101	101	91
Turbidity	NTU	--	87	92	18	--	--	--	--	1.5

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/9/2010	1/5/2011	7/28/2011	2/22/2012	8/20/2012	1/9/2013	8/29/2013	2/4/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.005	ND	ND	ND	ND	ND	ND
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	21.1	20.9	20.9	21.1	18.1	17.3	18.8	16.3
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.064	ND	0.086	ND	0.067	ND	0.124	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	7.01	7.29	7.04	7.16	6.29	6.2	6.6	5.97
Manganese, total	mg/l	--	0.006	0.006	0.007	0.005	0.0045	ND	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.627	1.6	0.764	0.716	1.14	2.09	1.37	1.93
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.6	4.07	3.67	3.71	3.7	3.87	4.09	3.8
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	ND	0.0139	0.0111	0.0157	0.0119
Alkalinity, Total	mg/L	--	64 mg/L as CaCO4	61 mg/L as CaCO3	60 mg/L as CaCO3	64 mg/L as CaCO3	54.4	54.7	52.2	56.4
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	10.1	9.82	10.1	10.7	10.2	11	11.2	10.8
Hardness	mg/l	--	81.3 mg/L as CaCO4	82.2 mg/L as CaCO3	81.2 mg/L as CaCO3	82.2 mg/L as CaCO3	71.1	68.7	74.1	65.3
Nitrate/Nitrite-N	mg/L	10	2.31	2.32	2.76	2.39	2	2.04	2.06	1.88
pH	pH_Units	--	6.05 pH Units	5.95 pH Units	6.6 pH Units	6.47 pH Units	6.04 units	6.21 units	6.63 units	5.98 units
Specific Conductance	umhos/cm	--	244 umhos @ 25°C	202 umhos @ 25°C	206 umhos @ 25°C	207 umhos @ 25°C	182.3 umhos	233.3 umhos	185.4 umhos	202.6 umhos
Sulfate	mg/l	--	1.58	1.32	1.39	1.59	1.21	1.62	1.39	ND
Total Dissolved Solids	mg/L	--	112	116	84	88	94	82	99	98
Turbidity	NTU	--	1.4	1.6	1.8	1.3	0.856	0.265	0.348	0.381

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/5/2014	2/13/2015	8/18/2015	2/19/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND U
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND U
Barium, total	mg/l	2	ND	ND	ND	0.005	0.0041	0.0044	0.0046	0.0046 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND U

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/5/2014	2/13/2015	8/18/2015	2/19/2016	8/2/2016	1/10/2017	7/18/2017	1/25/2018
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND U
Calcium, total	mg/l	--	17.5	23.1	21.5	24.7	23.2	24.2	24.5	26
Chromium, total	mg/l	0.1	ND	ND	ND	0.00034 B	ND	ND	ND	0.0011 J
Cobalt, total	mg/l	--	ND	ND	ND	0.00012 B	ND	ND	ND	ND U
Copper, total	mg/l	1.3	ND	ND	ND	0.0028 B	ND	ND	ND	ND U
Iron, total	mg/l	--	ND	0.0579	0.0582	0.126	0.0371 J	ND	ND	0.056 J
Lead, total	mg/l	0.015	ND	ND	ND	0.000312 B	ND	ND	ND	ND U
Magnesium, total	mg/l	--	6.31	7.32	7.39	8	7.41	7.56	8.04	7.9
Manganese, total	mg/l	--	ND	0.0044	0.004	0.0094	0.0025 J	0.007	ND	0.0055 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND U
Nickel, total	mg/l	--	ND	ND	ND	0.000413 B	ND	ND	ND	ND U
Potassium, total	mg/l	--	1.15	2.1	1.25	0.643	0.573	0.63	0.651	0.53
Selenium, total	mg/l	0.05	ND	0.0023	ND	ND	ND	ND	ND	ND U
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
Sodium, Total	mg/L	--	3.88	4.17	4.12	4.07	4.05	3.64	4.27	3.9
Thallium, total	mg/l	0.002	ND	ND	ND	0.000439 B	ND	ND	ND	ND U
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Zinc, total	mg/l	--	ND	0.013	0.0084	0.0039 B	ND	ND	ND	ND U
Alkalinity, Total	mg/L	--	50.6	67.5	57.2	66.7	67.2	69.1	71.2	90
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	0.034 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	8 J	ND	ND	ND U
Chloride	mg/l	--	10.7	11.7	12	12.2	13	12.5	13.3	14.1
Hardness	mg/l	--	69.7	57.8	84.1	94.7	88.5	91.7	94.3	97.5
Nitrate/Nitrite-N	mg/L	10	1.86	1.91	2.01	2.71	1.89	1.91	1.82	1.8
pH	pH_Units	--	6.35 units	5.9 units	5.83 units	6.17 units	5.87 units	5.57 units	7.11 units	7.29
Specific Conductance	umhos/cm	--	85.7 umhos	197.1 umhos	199	228	204	213	200	197
Sulfate	mg/l	--	ND	ND	ND	0.918 J	1.73	1.88	1.85	1.7 J
Total Dissolved Solids	mg/L	--	96	96	97	106	106	114	113	126
Turbidity	NTU	--	0.583	1.16	1.49	3.09	0.66	1.77	1.19	1.06

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/10/2018	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022
Antimony, total	mg/l	0.006	0.00095 J	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.0019 J	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.012	0.0049 J	0.0049 J	0.005 J	0.0045 J	0.0049 J	0.0046 J	0.0049 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	20.9	17.1	23.6	22.6	15.8	18.3	16.8	21.8
Chromium, total	mg/l	0.1	0.076	0.0021 J	0.0011 J	0.00096 J	ND	ND	ND	ND
Cobalt, total	mg/l	--	0.006	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.022	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	3	0.077	0.03 J	0.02 J	ND	0.026 J	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	8.1	5.6	8.2	7.7	6.1	6.5	6.2	7.5
Manganese, total	mg/l	--	0.019	0.002 J	0.0028 J	ND	ND	ND	ND	0.0032 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.084	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1	1	0.56	1.2	6.1	6.3	6.1	2.1
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.2	3.6	4.1	4.4	5.5	6	5.5	5
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.011	0.0043 J	0.0043 J	0.0034 J	0.0032 J	0.0044 J	0.0041 J	ND
Alkalinity, Total	mg/L	--	66	62	88	74	67	75	65	71
Ammonia-N, Low Level	mg/L	--	0.688	0.164	ND	ND	0.04 J	0.02 J	0.02 J	0.02 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	17	ND	ND	35	6 J	ND	ND
Chloride	mg/l	--	15.5	13.3	15.8	12.7	13.3	20.7	12.3	14.6
Hardness	mg/l	--	85.5	65.8	92.8	88.1	64.4	72.3	67.7	85.4
Nitrate/Nitrite-N	mg/L	10	1.8	2.12	1.8	1.4	1.9	2.4	1.5	1.7
pH	pH_Units	--	7.2	6.96	7.32	7.61	7.4	8.02	7.26	7.64
Specific Conductance	umhos/cm	--	180	154	202	202	188	201	185	220
Sulfate	mg/l	--	1.5 J	1.4 J	1.8 J	0.92 J	1.3 J	1.4 J	0.98 J	2
Total Dissolved Solids	mg/L	--	125	155	131	122	114	66	116	113

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/10/2018	2/15/2019	8/15/2019	3/18/2020	8/26/2020	3/11/2021	7/28/2021	3/1/2022
Turbidity	NTU	--	27.6	0.24	1.12	0.13	0.51	ND	0.2	0.31

Location ID: M-15
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/8/2023	7/18/2023	1/25/2024	8/28/2024	2/4/2025	7/21/2025	1/5/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0048 J	0.0045 J	0.0063	0.0057	0.0051 J	0.0047 J	0.005 J	0.0051 J
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	23.5	23	25	21.5	20.2	24	20.5	18.9
Chromium, total	mg/l	0.1	ND	0.00082 J	0.00097 8J	0.0009 J	ND	0.019	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.033 J	ND	0.75	0.048 J	ND	0.22	0.024 J	ND
Lead, total	mg/l	0.015	ND	ND	0.0016 J	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	8.2	7.9	8.2	7.9	7	8.1	6.9	6.6
Manganese, total	mg/l	--	ND	ND	0.042	0.0034 J	ND	0.0093	0.0038 J	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	0.0055 J	ND	ND
Potassium, total	mg/l	--	0.93	1.5	0.6	2.7	3.2	1.5	1.1	4.3
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.5	4.7	4.4	5.2	5.2	4.9	4.5	5.6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	0.0045 J	0.0024 J	0.0038 J	ND	0.0021 J	0.0022 J
Alkalinity, Total	mg/L	--	77	91	89	80	71	77	62	70
Ammonia-N, Low Level	mg/L	--	0.03 J	0.02 J	ND	0.03 J	0.01 J	0.03 J	0.02 J	0.01 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	15	ND	11 J	6 J	ND	ND	ND
Chloride	mg/l	--	14.3	15.1	16.4	15.5	15.1	16.9	15.3	15.5
Hardness	mg/l	--	92.4	89.7	96.2	86.4	79.3	93.5	69.8	63.5
Nitrate/Nitrite-N	mg/L	10	1.74	1.79	1.5 J	1.6 J	1.68	1.7 J	1.6 J	1.6
pH	pH_Units	--	8.06	8.11	8.12	7.87	8.1	8.12	7.86	7.74
Specific Conductance	umhos/cm	--	212	211	234	212	194	209	186	197
Sulfate	mg/l	--	3.3	ND	2.1	2	ND	ND	ND	1.2
Total Dissolved Solids	mg/L	--	117	122	156	130	100	108	108	100
Turbidity	NTU	--	0.32	0.3	200	0.9	0.65	1.4	1.7	3.2

Historical Well Data Table I

Name: Northern Landfill

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/22/2010	9/8/2010	1/7/2011	8/1/2011	2/21/2012	8/22/2012	1/11/2013	8/28/2013
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/22/2010	9/8/2010	1/7/2011	8/1/2011	2/21/2012	8/22/2012	1/11/2013	8/28/2013
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	2/6/2014	8/6/2014	2/12/2015	8/20/2015	2/18/2016	8/4/2016	1/12/2017	7/19/2017
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	1.18	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	2/6/2014	8/6/2014	2/12/2015	8/20/2015	2/18/2016	8/4/2016	1/12/2017	7/19/2017
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	1.11	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	1.11	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/23/2018	7/11/2018	2/13/2019	8/13/2019	3/17/2020	8/27/2020	3/15/2021	7/27/2021
Acetone	ug/L	–	6.9 J	ND	ND	ND	ND	ND	5	4.8 J
Acrylonitrile	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	0.43 J
2-Butanone	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND U	0.25 J	ND	ND	ND	ND	0.47 J	0.24 J
Carbon Tetrachloride	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND U	ND	ND	0.48 J	ND	ND	ND	ND

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Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/23/2018	7/11/2018	2/13/2019	8/13/2019	3/17/2020	8/27/2020	3/15/2021	7/27/2021
Chloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND U	ND	ND	0.33 J	ND	0.43 J	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND U	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND U	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND U	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND U	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND U	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND U	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND U	ND	ND	ND	0.69 J	0.59 J	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND U	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND U	ND	ND	ND	ND	ND	1.3	0.46 J
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND U	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/23/2018	7/11/2018	2/13/2019	8/13/2019	3/17/2020	8/27/2020	3/15/2021	7/27/2021
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	3/3/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024	2/3/2025	7/21/2025
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	0.52 J	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	0.29 J	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	0.43 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	2.3	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND

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Number of Sampling Dates: 33

Parameter Name	Units	MCL	3/3/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024	2/3/2025	7/21/2025
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	1.4	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	ND U	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	ND U	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	ND U	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	ND U	ND U	2.5

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/6/2026
Acetone	ug/L	–	ND
Acrylonitrile	ug/L	–	ND
Benzene	ug/L	5	ND
Bromochloromethane	ug/L	–	ND
Bromomethane	ug/L	–	ND
2-Butanone	ug/L	–	ND
Carbon Disulfide	ug/L	–	ND
Carbon Tetrachloride	ug/L	5	ND
Chlorobenzene	ug/L	100	ND
Chloroethane	ug/L	–	ND
Chloromethane	ug/L	–	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND
1,2-Dibromoethane	ug/L	0.05	ND
Dibromomethane	ug/L	–	ND
1,2-Dichlorobenzene	ug/L	600	ND
1,4-Dichlorobenzene	ug/L	75	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND
1,1-Dichloroethane	ug/L	–	ND
1,2-Dichloroethane	ug/L	5	ND
1,1-Dichloroethene	ug/L	7	ND
cis-1,2-Dichloroethene	ug/L	70	ND
trans-1,2-Dichloroethene	ug/L	100	ND

Location ID:	M-17DR		
Number of Sampling Dates:	33		
Parameter Name	**Units**	**MCL**	**1/6/2026**
Methylene Chloride	ug/L	5	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND
1,2-Dichloropropane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	–	ND
cis-1,3-Dichloropropene	ug/L	–	ND
Ethylbenzene	ug/L	700	ND
2-Hexanone	ug/L	–	ND
Iodomethane	ug/l	–	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND
Styrene	ug/L	100	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND
Tetrachloroethene	ug/L	5	ND
Toluene	ug/L	1000	ND
1,1,1-Trichloroethane	ug/L	200	ND
1,1,2-Trichloroethane	ug/L	5	ND
Trichloroethene	ug/L	5	ND
Trichlorofluoromethane	ug/L	–	ND
1,2,3-Trichloropropane	ug/L	–	ND
Vinyl Acetate	ug/L	–	ND
Vinyl Chloride	ug/L	2	ND
o-Xylene	ug/L	10000	ND
m+p Xylenes	ug/L	10000	ND
Total Xylenes	ug/L	10000	ND
Bromodichloromethane	ug/L	80	ND
Dibromochloromethane	ug/L	80	ND
Bromoform	ug/L	80	ND
Chloroform	ug/L	80	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	3.06

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/22/2010	9/8/2010	1/7/2011	8/1/2011	2/21/2012	8/22/2012	1/11/2013	8/28/2013
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.005	0.015	0.018	0.015	0.017	0.0167	0.0174	0.0177
Barium, total	mg/l	2	0.01	0.028	0.026	0.035	0.04	0.0405	0.0472	0.0523
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	55.7	55.2	60.3	60.3	65	59.8	60.6	64
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	0.0265	0.0077	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	4.46	5.02	4.64	3.94	3.55	3.5	3.34
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	13	15.6	18.8	20	23.3	22	22.6	25.4
Manganese, total	mg/l	--	0.158	0.141	0.11	0.078	0.071	0.0612	0.0651	0.0628
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.009	ND	ND	ND	ND	0.0151	0.0058	ND
Potassium, total	mg/l	--	3.84	4.09	3.98	4.14	3.78	3.07	2.85	2.84
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	131	130	127	130	131	128	123	127
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.005	0.008	ND	ND	ND	0.013	0.0124	0.013
Alkalinity, Total	mg/L	--	153 mg/L as CaCO3	175 mg/L as CaCO3	179 mg/L as CaCO3	180 mg/L as CaCO3	178 mg/L as CaCO3	169	170	170
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	0.27	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	23	21	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	250	223	240	280	288	279	285	292
Hardness	mg/l	--	193 mg/L as CaCO3	202 mg/L as CaCO3	228 mg/L as CaCO3	233 mg/L as CaCO3	258 mg/L as CaCO3	240	244	264
Nitrate/Nitrite-N	mg/L	10	ND	0.54	ND	ND	ND	ND	ND	ND
pH	pH_Units	--	--	5.92 pH Units	6.2 pH Units	7.68 pH Units	7.78 pH Units	7.06 units	6.9 units	7.57 units
Specific Conductance	umhos/cm	--	--	1180 umhos @ 25°C	1139 umhos @ 25°C	1146 umhos @ 25°C	1242 umhos @ 25°C	1187 umhos	1205 umhos	1318 umhos
Sulfate	mg/l	--	4.78	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	548	626	583	623	582	600	557	658
Turbidity	NTU	--	--	22	65.7	51	39	44.2	17.1	39.1

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	2/6/2014	8/6/2014	2/12/2015	8/20/2015	2/18/2016	8/4/2016	1/12/2017	7/19/2017
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.0185	0.0176	0.0179	0.0167	0.0177	0.0172	0.0173	0.0179
Barium, total	mg/l	2	0.0571	0.0685	0.0729	0.0756	0.0835	0.0849	0.0791	0.0784
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	61.4	78.4	75.4	71.5	90.2	74.8	79.2	76.3
Chromium, total	mg/l	0.1	0.0261	ND	0.0227	0.0222	ND	0.0046	0.0047	0.187
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	0.0019
Copper, total	mg/l	1.3	ND	ND	ND	ND	0.0062	ND	ND	0.0058
Iron, total	mg/l	--	3.05	4	3.4	3.09	3.06	3.89	3.31	4.32
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	26	28.3	26.3	29	28.4	27.8	30.1	30.1
Manganese, total	mg/l	--	0.0717	0.121	0.115	0.11	0.117	0.123	0.114	0.136
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0162	ND	0.012	0.0114	ND	ND	ND	0.0791
Potassium, total	mg/l	--	2.59	3	2.72	2.74	2.72	2.69	2.47	2.58
Selenium, total	mg/l	0.05	ND	ND	0.0028	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	132	138	132	139	137	145	142	142

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	2/6/2014	8/6/2014	2/12/2015	8/20/2015	2/18/2016	8/4/2016	1/12/2017	7/19/2017
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0144	ND	0.0121	0.0051	0.0161	ND	ND	ND
Alkalinity, Total	mg/L	--	170	205	190	175	187	179	183	191
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	0.174 J	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	322	400	341	369	363	366	403	345
Hardness	mg/l	--	260	312	188	298	342	301	322	315
Nitrate/Nitrite-N	mg/L	10	ND	ND	ND	ND	ND	0.0906	ND	ND
pH	pH_Units	--	7.14 units	6.25 units	6.44 units	6.18 units	6.22 units	6.31 units	6.04 units	7.66 units
Specific Conductance	umhos/cm	--	1381 umhos	1383 umhos	1264 umhos	1385	1386	1420	1379	1424
Sulfate	mg/l	--	ND	ND	ND	ND	ND	0.834 J	ND	ND
Total Dissolved Solids	mg/L	--	605	651	640	661	685	728	726	788
Turbidity	NTU	--	36.9	27.2	33.3	10.3	22.8	19.5	24.5	27.5

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/23/2018	7/11/2018	2/13/2019	8/13/2019	3/17/2020	8/27/2020	3/15/2021	7/27/2021
Antimony, total	mg/l	0.006	ND U	ND	ND	ND	0.00087 J	0.00086 J	ND	ND
Arsenic, total	mg/l	0.01	0.016	0.014	0.0055	0.015	0.0097	0.0065	0.0061	0.0044
Barium, total	mg/l	2	0.089	0.11	0.14	0.16	0.15	0.091	0.11	0.14
Beryllium, total	mg/l	0.004	ND U	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND U	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	72	74.4	89.6	95.5	104	71.3	85.6	93.3
Chromium, total	mg/l	0.1	0.021	0.007	0.0018 J	0.0092	0.034	ND	ND	ND
Cobalt, total	mg/l	--	ND U	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0045 J	0.0034 J	0.0039 J	0.0055 J	0.0028 J	0.0029 J	ND	ND
Iron, total	mg/l	--	3.3	3	1.3	5.4	3.4	1.4	1.7	1.3
Lead, total	mg/l	0.015	ND U	ND	ND	0.0015 J	ND	ND	ND	ND
Magnesium, total	mg/l	--	29.7	30.8	34.1	35.7	35.6	25.6	31	33
Manganese, total	mg/l	--	0.11	0.13	0.15	0.23	0.2	0.16	0.18	0.19
Mercury, Total	mg/L	0.002	ND U	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0098	0.0083	0.0033 J	0.0076	0.02	0.003 J	0.0027 J	0.0027 J
Potassium, total	mg/l	--	2.3	2.3	2.4	3	2.8	3.1	3.2	2.5
Selenium, total	mg/l	0.05	ND U	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND U	0.045	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	145	157	310	290	293	185	255	302
Thallium, total	mg/l	0.002	ND U	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND U	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND U	0.0036 J	0.007	0.0054 J	0.0034 J	0.0074	0.0099	0.0064
Alkalinity, Total	mg/L	--	203	218	209	263	243	200	222	229
Ammonia-N, Low Level	mg/L	--	0.182	0.351	0.251	0.05 J	0.14	0.29	0.25	0.19
Chemical Oxygen Demand (COD)	mg/L	--	9	ND	19	10 J	11 J	36	10 J	ND
Chloride	mg/l	--	403	401	575	571	574	401	469	671
Hardness	mg/l	--	302	312	364	385	406	284	342	369
Nitrate/Nitrite-N	mg/L	10	ND U	ND	0	ND	ND	ND	ND	ND
pH	pH_Units	--	7.69	7.62	7.8	7.83	7.53	7.99	8.07	7.6
Specific Conductance	umhos/cm	--	1410	1570 mg/L	2270	2200	2170	1630	1910	2420
Sulfate	mg/l	--	0.66 J	0.64 J	2.7	3.6	2.7	1.7 J	2.2	5.6
Total Dissolved Solids	mg/L	--	707	792	1220	1290	1170	970	1120	1340
Turbidity	NTU	--	31.4	33.8	10.9	44	21.5	16.8	14.3	12.1

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	3/3/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024	2/3/2025	7/21/2025
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.011	0.0089	ND	0.0093	0.006	0.0038	0.0026 J	0.011
Barium, total	mg/l	2	0.17	0.17	0.19	0.16	0.16	0.16	0.16	0.2
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	3/3/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024	2/3/2025	7/21/2025
Cadmium, total	mg/l	0.005	ND	ND	0.00053 J	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	99.4	99.1	184	93.1	95.1	96	101	98.8
Chromium, total	mg/l	0.1	0.0024	ND	0.051	0.0013 J	0.005	0.001 J	0.00074 J	0.0087
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0029 J	ND	0.0025 J	ND	ND	ND	0.0025 J	0.0037 J
Iron, total	mg/l	--	4.3	3.4	0.33	3.4	2.7	1.5	0.92	4.3
Lead, total	mg/l	0.015	ND	ND	0.0027	ND	0.0014 J	ND	ND	0.00078 J
Magnesium, total	mg/l	--	37.7	36.3	0.2	37.9	38.9	40.6	40.5	37.8
Manganese, total	mg/l	--	0.19	0.18	0.0094	0.17	0.21	0.16	0.18	0.17
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.004 J	ND	ND	0.0019 J	0.0061	0.0021 J	0.0029 J	0.0063
Potassium, total	mg/l	--	2.5	2.4	120	2.2	2.2	2.1	2.2	2.4
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	313	296	234	270	293	287	293	292
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0041 J	ND	0.0064	0.0026 J	0.0029 J	ND	0.0019 J	0.0044 J
Alkalinity, Total	mg/L	--	228	231	617	230	238	244	242	246
Ammonia-N, Low Level	mg/L	--	0.19	0.17	0.16	0.11	0.14	0.1	0.09 J	0.62
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	9 J	ND	ND	ND	6 J
Chloride	mg/l	--	578	522	176	566	569	548	605	604
Hardness	mg/l	--	403	397	459	389	398	407	419	378
Nitrate/Nitrite-N	mg/L	10	ND	ND	ND	ND	ND	ND	ND	ND
pH	pH_Units	--	8.19	8.27	9.76	8.25	8.23	8.32	8.43	8.26
Specific Conductance	umhos/cm	--	2500	2170	4680	2460	2330	2390	2670	ND
Sulfate	mg/l	--	5.8	6.8	ND	4.6 J	7	6.5	6.3	5.3
Total Dissolved Solids	mg/L	--	1240	1260	1170	1270	1140	1190	1290	1280
Turbidity	NTU	--	28.4	25	16	18	14	9.6	3.6	37

Location ID: M-17DR
Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/6/2026
Antimony, total	mg/l	0.006	ND
Arsenic, total	mg/l	0.01	0.0023 J
Barium, total	mg/l	2	0.18
Beryllium, total	mg/l	0.004	ND
Cadmium, total	mg/l	0.005	ND
Calcium, total	mg/l	--	101
Chromium, total	mg/l	0.1	ND
Cobalt, total	mg/l	--	ND
Copper, total	mg/l	1.3	ND
Iron, total	mg/l	--	0.79
Lead, total	mg/l	0.015	ND
Magnesium, total	mg/l	--	39.8
Manganese, total	mg/l	--	0.16
Mercury, Total	mg/L	0.002	ND
Nickel, total	mg/l	--	0.0028 J
Potassium, total	mg/l	--	2.3
Selenium, total	mg/l	0.05	ND
Silver, total	mg/l	--	ND
Sodium, Total	mg/L	--	293
Thallium, total	mg/l	0.002	ND
Vanadium, Total	mg/L	--	ND
Zinc, total	mg/l	--	0.0028 J
Alkalinity, Total	mg/L	--	243
Ammonia-N, Low Level	mg/L	--	0.07 J
Chemical Oxygen Demand (COD)	mg/L	--	ND
Chloride	mg/l	--	618
Hardness	mg/l	--	373

Location ID: M-17DR

Number of Sampling Dates: 33

Parameter Name	Units	MCL	1/6/2026
Nitrate/Nitrite-N	mg/L	10	ND
pH	pH_Units	--	8.23
Specific Conductance	umhos/cm	--	2320
Sulfate	mg/l	--	6.9
Total Dissolved Solids	mg/L	--	1270
Turbidity	NTU	--	9.8

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-17S									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**5/15/1996**	**11/5/1996**	**4/15/1997**	**10/30/1997**	**6/23/1998**	**12/9/1998**	**5/25/1999**	**11/16/1999**
Acetone	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	–	–	–	–
Dibromomethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	–	–	–	–	–	–	–	–	ND µg/l
1,1-Dichloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	8.1 µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	–	–	–	–	–	–	–	–	–
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Iodomethane	ug/l	–	–	–	–	–	–	–	–	ND µg/l
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2,3-Trichloropropane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l

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Parameter Name	Units	MCL	5/15/1996	11/5/1996	4/15/1997	10/30/1997	6/23/1998	12/9/1998	5/25/1999	11/16/1999
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

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Parameter Name	Units	MCL	5/19/2000	12/12/2000	6/5/2001	11/15/2001	6/13/2002	11/7/2002	6/17/2003	12/4/2003
Acetone	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	–	–	–	–
Dibromomethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l

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Parameter Name	Units	MCL	5/19/2000	12/12/2000	6/5/2001	11/15/2001	6/13/2002	11/7/2002	6/17/2003	12/4/2003
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Iodomethane	ug/l	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2,3-Trichloropropane	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	–	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

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Parameter Name	Units	MCL	6/22/2004	10/19/2004	6/15/2005	11/1/2005	3/16/2006	9/12/2006	2/20/2007	8/13/2007
Acetone	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND

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Parameter Name	**Units**	**MCL**	**6/22/2004**	**10/19/2004**	**6/15/2005**	**11/1/2005**	**3/16/2006**	**9/12/2006**	**2/20/2007**	**8/13/2007**
1,2-Dibromoethane	ug/L	0.05	–	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND µg/l	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

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Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/22/2010	9/8/2010	1/7/2011	8/1/2011
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	–	–	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	–	–	ND	ND	ND	ND	ND	ND

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/22/2010	9/8/2010	1/7/2011	8/1/2011
Total Xylenes	ug/L	10000	ND	ND	–	–	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/21/2012	8/22/2012	1/11/2013	8/28/2013	2/6/2014	8/6/2014	2/12/2015	8/20/2015
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	1.11	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	–	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/21/2012	8/22/2012	1/11/2013	8/28/2013	2/6/2014	8/6/2014	2/12/2015	8/20/2015
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	1.2	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	1.2	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	2/17/2016	8/4/2016	1/12/2017	7/19/2017	1/23/2018	7/11/2018	2/13/2019	8/13/2019
Acetone	ug/L	–	ND	ND	ND	ND	5.2 J	ND	ND	16.9
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND U	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	1.6
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND U	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND U	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND U	ND	ND	ND

Location ID:	M-17S									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**2/17/2016**	**8/4/2016**	**1/12/2017**	**7/19/2017**	**1/23/2018**	**7/11/2018**	**2/13/2019**	**8/13/2019**
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND U	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND U	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND U	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND U	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND U	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND U	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND U	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND U	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND U	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND U	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND U	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND U	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND U	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND U	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND U	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND U	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND U	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID:	M-17S									
Number of Sampling Dates:	61									
Parameter Name	**Units**	**MCL**	**3/17/2020**	**8/27/2020**	**3/15/2021**	**7/27/2021**	**3/3/2022**	**9/21/2022**	**3/9/2023**	**7/24/2023**
Acetone	ug/L	–	3.8 J	5.5	5.1	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	0.36 J	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	0.75 J	ND	0.4 J	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	0.51 J	0.59 J	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	0.38 J	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	3/17/2020	8/27/2020	3/15/2021	7/27/2021	3/3/2022	9/21/2022	3/9/2023	7/24/2023
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/23/2024	8/26/2024	2/3/2025	7/21/2025	1/6/2026
Acetone	ug/L	–	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	0.46 J	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	0.38 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/23/2024	8/26/2024	2/3/2025	7/21/2025	1/6/2026
Styrene	ug/L	100	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	ND U	ND U	ND U	ND U
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	ND U	ND U	ND U	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	–	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	ND U	ND U	ND U	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	4.37	3.83	3.43	4.28

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	5/15/1996	11/5/1996	4/15/1997	10/30/1997	6/23/1998	12/9/1998	5/25/1999	11/16/1999
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.012	0.032	0.009	0.01	0.012	0.011	0.013	0.013
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.001	0.0007	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	7.5	7.5	2.4	5.49	4.24	3.82	4.03	4.7
Chromium, total	mg/l	0.1	0.003	0.0065	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.027	ND	ND	ND	0.003	ND	0.011	0.008
Iron, total	mg/l	--	0.025	ND	0.06	1.13	0.74	0.563	0.215	0.678
Lead, total	mg/l	0.015	0.01	0.009	ND	0.009	0.009	ND	0.007	0.005
Magnesium, total	mg/l	--	1.76	1.2	1.1	1.5	1.06	1.12	1.43	1.37
Manganese, total	mg/l	--	0.018	0.046	ND	0.014	0.025	ND	0.068	0.046
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.013	ND	ND	ND	ND	ND	0.056	ND
Potassium, total	mg/l	--	1.35	7.1	ND	1.52	1.44	1.06	0.422	1.35
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	0.01	ND	ND	ND
Sodium, Total	mg/L	--	2.16	5.4	2.1	1.91	2.29	1.89	1.72	2.04
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.034	ND	0.04	0.026	0.02	0.004	0.16	0.018
Alkalinity, Total	mg/L	--	32	31	16	25	16	31	13	16
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	11	ND	ND	ND
Chloride	mg/l	--	2.79	2	5.5	5.22	2.46	2.07	2.19	7.37
Hardness	mg/l	--	17	40	22	20	17	16	17	19.6
Nitrate/Nitrite-N	mg/L	10	ND	0.02	0.02	ND	ND	ND	ND	0.89
pH	pH_Units	--	7.33 units	7.22 units	6.36 units	6.34 units	6.66 units	5.56 units	5.87 units	6.41 units
Specific Conductance	umhos/cm	--	60	80	46.3	129	75	45.5	38.7	77.6
Sulfate	mg/l	--	10.2	ND	ND	0.79	ND	ND	ND	6.44
Total Dissolved Solids	mg/L	--	53	57	35	69	37	53	28	48
Turbidity	NTU	--	54	33	3.2	6.5	15	22	60	32

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Parameter Name	Units	MCL	5/19/2000	12/12/2000	6/5/2001	11/15/2001	6/13/2002	11/7/2002	6/17/2003	12/4/2003
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.014	0.014	0.015	0.013	0.01	0.009	0.017	0.012
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	6.77	5.75	4.52	4.94	10.6	10.5	6.8	7.78
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.004	ND	0.007	0.005	ND	0.01	0.003
Iron, total	mg/l	--	0.019	0.497	0.009	ND	0.537	0.016	ND	0.029
Lead, total	mg/l	0.015	0.005	0.005	0.002	0.004	0.003	ND	ND	ND
Magnesium, total	mg/l	--	1.65	1.64	1.27	1.63	2.79	2.84	2.16	2.38
Manganese, total	mg/l	--	0.019	0.006	ND	0.008	0.037	ND	ND	0.01
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	2.25	3.95	1.25	0.456	ND	0.906	1.14	ND
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.65	2.53	2.56	2.37	2.18	1.78	2.17	1.97
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.014	0.038	0.012	0.034	0.019	0.008	0.025	0.026
Alkalinity, Total	mg/L	--	22	25	20	20	41	37	32.6	33
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	2.94	1.64	2.78	2.9	2.94	2.46	2.3	2.473

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Parameter Name	Units	MCL	5/19/2000	12/12/2000	6/5/2001	11/15/2001	6/13/2002	11/7/2002	6/17/2003	12/4/2003
Hardness	mg/l	--	25	25.4	17.8	20.1	36.4	40	28.4	28.9
Nitrate/Nitrite-N	mg/L	10	ND	ND	5.23	ND	ND	ND	ND	ND
pH	pH_Units	--	7.18 units	6.51 units	5.95 units	5.78 units	6.03 units	6.91 units	5.8 units	6 units
Specific Conductance	umhos/cm	--	92	75.1	81	57.8	813	94	56.7	78.6
Sulfate	mg/l	--	1.49	1.73	ND	2.01	ND	0.457	1.1	0.513
Total Dissolved Solids	mg/L	--	52	38	30	23	30	45	57	68
Turbidity	NTU	--	5.6	8.7	12	12	31	1.1	12	4.6

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Parameter Name	Units	MCL	6/22/2004	10/19/2004	6/15/2005	11/1/2005	3/16/2006	9/12/2006	2/20/2007	8/13/2007
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	0.002	ND	ND	ND
Barium, total	mg/l	2	0.016	0.018	0.025	0.049	0.064	0.057	0.069	0.05
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	11.7	ND
Calcium, total	mg/l	--	7.61	8.61	--	--	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.005	0.007	ND	0.006	ND	0.006	ND
Iron, total	mg/l	--	0.947	0.013	0.308	0.182	2.21	1.56	2	0.57
Lead, total	mg/l	0.015	0.002	ND	ND	ND	0.008	0.007	0.012	0.002
Magnesium, total	mg/l	--	2.17	2.52	3.01	3.23	4.01	4.07	3.68	2.77
Manganese, total	mg/l	--	0.038	0.065	0.006	0.008	0.143	0.125	0.171	0.038
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	--	--	--
Potassium, total	mg/l	--	1.46	0.867	0.608	1.53	1.25	--	--	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.44	4.58	8.73	26.6	33.6	--	--	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.013	0.014	0.01	0.005	0.023	0.029	0.016	0.011
Alkalinity, Total	mg/L	--	27	32	23 mg/L as CaCO3	15 mg/L as CaCO3	18 mg/L as CaCO3	97 mg/L as CaCO3	65 mg/L as CaCO3	23 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	2.92	7.07	21.4	59.8	81.6	5.12	84.3	50
Hardness	mg/l	--	29	32	36.3	37.1	49.2	50.4	3 date analyzed	30.7
Nitrate/Nitrite-N	mg/L	10	0.13	0.11	0.18 mg/L as N	0.29 mg/L as N	--	--	--	--
pH	pH_Units	--	6.31 units	6.66 units	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	116.6	137.6	--	--	--	480 umhos at 25C	--	--
Sulfate	mg/l	--	18.3	0.58	0.86	0.43	0.85	3.49	1.37	11.5
Total Dissolved Solids	mg/L	--	58	58	64	132	167	241	212	172
Turbidity	NTU	--	31	52	6.6	6.3	102	100	178	58

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Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/22/2010	9/8/2010	1/7/2011	8/1/2011
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	0.002	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.078	0.082	0.101	0.078	0.045	0.073	0.082	0.084
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	30.4	33.9	49.3	60.2	16.9	43	47.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.131	ND	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	--	9.19	9.89	14.3	18.4	4.64	14.4	15.4
Manganese, total	mg/l	--	0.023	0.021	0.004	0.137	0.212	ND	0.164	0.152
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	--	1.99	1.88	1.7	1.33	1.31	1.58	1.95
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter Name	Units	MCL	2/6/2008	8/6/2008	2/18/2009	8/19/2009	1/22/2010	9/8/2010	1/7/2011	8/1/2011
Sodium, Total	mg/L	--	--	90.7	122	96.7	89.4	99.5	104	126
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.007	0.005	0.011	0.012	ND	0.01	0.007	ND
Alkalinity, Total	mg/L	--	124 mg/L as CaCO3	64 mg/L as CaCO3	67 mg/L as CaCO3	115 mg/L as CaCO3	155 mg/L as CaCO3	37 mg/L as CaCO3	78.5 mg/L as CaCO3	96 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	0.29	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	128	5.76	235	244	198	174	221	301
Hardness	mg/l	--	148 mg/L as CaCO3	114 mg/L as CaCO3	125 mg/L as CaCO3	182 mg/L as CaCO3	226 mg/L as CaCO3	61.3 mg/L as CaCO3	166 mg/L as CaCO3	182 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	0.82	ND	0.87	0.67	0.48	1.08	0.57	0.74
pH	pH_Units	--	--	--	--	--	--	5.6 pH Units	5.86 pH Units	6.63 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	729 umhos @ 25°C	929 umhos @ 25°C	1088 umhos @ 25°C
Sulfate	mg/l	--	2.24	2.06	1.47	0.77	2.17	0.93	1.96	2.21
Total Dissolved Solids	mg/L	--	414	454	483	521	488	324	480	580
Turbidity	NTU	--	--	--	--	--	--	0.31	0.92	0.57

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Parameter Name	Units	MCL	2/21/2012	8/22/2012	1/11/2013	8/28/2013	2/6/2014	8/6/2014	2/12/2015	8/20/2015
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.081	0.0955	0.0982	0.0837	0.0889	0.07	0.1	0.116
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	37.1	23.2	57.2	24.8	40.6	26.4	35.9	60.5
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	0.0526	0.153	0.133	ND	ND	0.0879
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	12.6	6.66	20.6	7.54	13.8	8.29	11.1	26.6
Manganese, total	mg/l	--	0.103	0.0078	0.348	0.0029	0.215	0.0408	0.136	0.394
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.0053	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.56	1.53	1.38	1.49	1.39	1.38	1.71	1.59
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	0.0032	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	129	145	139	147	137	99.6	120	153
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	0.0148	0.0112	0.0289	0.014	0.0139	0.0072	0.0062
Alkalinity, Total	mg/L	--	85 mg/L as CaCO3	47.8	126	59.7	97.1	77	75.4	143
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	10	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	299	279	311	308	343	217	287	407
Hardness	mg/l	--	144 mg/L as CaCO3	85.4	228	93	158	100	89.6	260
Nitrate/Nitrite-N	mg/L	10	1.02	0.771	0.367	0.955	0.611	0.782	0.924	0.532
pH	pH_Units	--	6.69 pH Units	6.04 units	6.38 units	6.08 units	6 units	6.19 units	6.23 units	6.34 units
Specific Conductance	umhos/cm	--	1098 umhos @ 25°C	989 umhos	1243 umhos	1076 umhos	1278 umhos	647 umhos	902 umhos	1420
Sulfate	mg/l	--	2.13	ND	3.35	1.5	1.82	ND	ND	1.95
Total Dissolved Solids	mg/L	--	500	503	600	502	569	403	469	708
Turbidity	NTU	--	0.53	1.08	0.648	0.419	1.55	0.347	0.289	0.6

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Parameter Name	Units	MCL	2/17/2016	8/4/2016	1/12/2017	7/19/2017	1/23/2018	7/11/2018	2/13/2019	8/13/2019
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND U	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND U	ND	ND	ND
Barium, total	mg/l	2	0.139	0.0987	0.135	0.154	0.19	0.09	0.12	0.11
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND U	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND U	ND	ND	ND
Calcium, total	mg/l	--	93.9	66.1	55.7	97.1	93.7	29	27.7	47.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.0013 J	0.067	0.0008 J	0.0013 J
Cobalt, total	mg/l	--	ND	0.0015	0.0022	0.0061	0.0056	0.004 J	ND	ND
Copper, total	mg/l	1.3	0.0227	ND	ND	ND	0.016	0.0098	0.0021 J	0.0028 J
Iron, total	mg/l	--	0.122	ND	ND	ND	0.13	1.1	ND	0.026 J

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Parameter Name	Units	MCL	2/17/2016	8/4/2016	1/12/2017	7/19/2017	1/23/2018	7/11/2018	2/13/2019	8/13/2019
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND U	ND	ND	ND
Magnesium, total	mg/l	--	34.2	23.2	19.4	37.6	40	8.9	7.8	19.8
Manganese, total	mg/l	--	0.645	0.275	0.237	0.64	0.66	0.051	0.0028 J	0.14
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND U	ND	ND	ND
Nickel, total	mg/l	--	0.0074	0.0047	0.0042	0.0082	0.0084	0.12	ND	0.0034 J
Potassium, total	mg/l	--	1.34	1.46	1.66	1.39	1.3	1.6	1.5	1.7
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND U	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND U	ND	ND	ND
Sodium, Total	mg/L	--	140	152	207	175	202	148	160	190
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND U	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND U	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	ND	0.0023 J	0.0051 J	0.0061	0.0037 J
Alkalinity, Total	mg/L	--	190	139	113	221	252	94	63	110
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	0.039 J	0.143	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	7	ND	15	9 J
Chloride	mg/l	--	348	387	554	450	517	281	277	334
Hardness	mg/l	--	376	260	219	397	399	109	101	201
Nitrate/Nitrite-N	mg/L	10	0.192	0.659	1.11	0.123	0.2	1.5	2	1.9
pH	pH_Units	--	6.33 units	6.46 units	5.73 units	7.69 units	7.87	6.59	6.71	7.02
Specific Conductance	umhos/cm	--	1441	1372	1506	1727	1900	1120 mg/L	1080	1340
Sulfate	mg/l	--	2.95	2.93	2.49	4.09	4.7	1.8 J	0.88 J	1.9 J
Total Dissolved Solids	mg/L	--	733	724	770	941	938	559	587	736
Turbidity	NTU	--	0.69	1.04	0.426	1.25	1.54	5.84	0.46	0.9

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Parameter Name	Units	MCL	3/17/2020	8/27/2020	3/15/2021	7/27/2021	3/3/2022	9/21/2022	3/9/2023	7/24/2023
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	0.0091	ND	ND	ND	ND
Barium, total	mg/l	2	0.23	0.16	0.15	0.24	0.11	0.12	0.21	0.13
Beryllium, total	mg/l	0.004	ND	ND	ND	0.00047 J	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	0.0013	ND	ND	ND	ND
Calcium, total	mg/l	--	36.2	22.3	32.9	117	25.1	64	95.1	52.5
Chromium, total	mg/l	0.1	ND	ND	ND	0.014	ND	ND	0.0021 J	0.0012 J
Cobalt, total	mg/l	--	ND	ND	ND	0.044	ND	0.0024 J	0.0072	0.0035 J
Copper, total	mg/l	1.3	0.0029 J	0.0037 J	ND	0.1	ND	ND	0.0026 J	ND
Iron, total	mg/l	--	0.057	ND	0.043 J	25.3	0.029 J	ND	0.067	0.1
Lead, total	mg/l	0.015	ND	ND	ND	0.075	ND	ND	0.00074 J	ND
Magnesium, total	mg/l	--	11.6	7	10.6	45.9	7.8	23	37.7	19.4
Manganese, total	mg/l	--	0.017	0.0025 J	0.052	1.8	0.025	0.23	0.53	0.25
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0031 J	0.0021 J	0.0025 J	0.044	0.0027 J	0.0042 J	0.012	0.0051 J
Potassium, total	mg/l	--	2.5	2.2	2.1	2.1	1.8	1.7	1.7	1.6
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	0.00099 J	ND	0.00084 J	0.0014 J	ND	ND	ND	ND
Sodium, Total	mg/L	--	368	261	342	346	259	285	319	273
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	0.012	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0066	0.0054 J	0.01	0.071	0.0033 J	ND	0.0044 J	0.003 J
Alkalinity, Total	mg/L	--	49	38	61	220	70	152	222	161
Ammonia-N, Low Level	mg/L	--	ND	0.03 J	ND	0.03 J	0.03 J	0.01 J	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	10 J	ND	12 J	70	ND	ND	6 J	7 J
Chloride	mg/l	--	577	446	534	776	397	431	581	489
Hardness	mg/l	--	138	84.5	126	481	95	255	393	211
Nitrate/Nitrite-N	mg/L	10	2.5	3.2	2.4	1.9	2.2	1.91	ND	2.5 J
pH	pH_Units	--	6.21	6.61	7.26	7.47	7.65	8.03	8.33	8.02
Specific Conductance	umhos/cm	--	1930	1510	1920	81	1550	1780	2290	1820
Sulfate	mg/l	--	ND	0.8 J	1.4 J	5.9	1.7 J	4.6	4.1 J	ND
Total Dissolved Solids	mg/L	--	958	792	1130	1520	736	966	1140	984
Turbidity	NTU	--	0.85	0.72	1.63	109	1.93	0.72	4.2	3.5

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/23/2024	8/26/2024	2/3/2025	7/21/2025	1/6/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.0019 J	ND	ND	ND	ND

Location ID: M-17S
Number of Sampling Dates: 61

Parameter Name	Units	MCL	1/23/2024	8/26/2024	2/3/2025	7/21/2025	1/6/2026
Barium, total	mg/l	2	0.34	0.077	0.14	0.2	0.16
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	107	22.4	80.3	103	113
Chromium, total	mg/l	0.1	0.0053	0.0011 J	0.0008 J	ND	0.0016 J
Cobalt, total	mg/l	--	0.018	ND	0.0023 J	0.0041 J	ND
Copper, total	mg/l	1.3	0.0075	ND	0.0033 J	0.0033 J	0.0025 J
Iron, total	mg/l	--	2.9	0.064	0.11	0.081	0.066
Lead, total	mg/l	0.015	0.011	ND	ND	ND	ND
Magnesium, total	mg/l	--	48.5	7.3	28.9	39.2	43
Manganese, total	mg/l	--	1.1	0.026	0.19	0.27	0.077
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.026	ND	0.005 J	0.0069	0.0041 J
Potassium, total	mg/l	--	1.5	1.6	1.7	1.8	1.9
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	366	241	310	349	419
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	0.002 J	ND	ND	ND	ND
Zinc, total	mg/l	--	0.012	0.0022 J	0.0029 J	0.0052 J	0.0058
Alkalinity, Total	mg/L	--	303	103	221	308	332
Ammonia-N, Low Level	mg/L	--	0.06 J	0.02 J	0.02 J	0.01 J	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	5 J	ND
Chloride	mg/l	--	646	353	557	613	670
Hardness	mg/l	--	466	86	319	394	397
Nitrate/Nitrite-N	mg/L	10	1.8 J	3.1 J	3.4 J	3.1	3.4
pH	pH_Units	--	8.23	8.09	8.36	8.24	8.23
Specific Conductance	umhos/cm	--	2760	1340	2110	ND	2700
Sulfate	mg/l	--	6.7	ND	4.2 J	7.4	11.1
Total Dissolved Solids	mg/L	--	1490	652	1050	1320	1470
Turbidity	NTU	--	22	2.8	3	2.6	4.5

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-18									
Number of Sampling Dates:	59									
Parameter Name	**Units**	**MCL**	**5/17/1996**	**11/7/1996**	**4/17/1997**	**10/30/1997**	**6/26/1998**	**12/9/1998**	**5/26/1999**	**6/30/2000**
Acetone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	ND µg/l
1,1-Dichloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	7.8 µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	ND µg/l
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Iodomethane	ug/l	--	--	--	--	--	--	--	--	ND µg/l
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	--	ND µg/l	7.6 µg/l	ND µg/l	5.7 µg/l	2.4 µg/l	ND µg/l	ND µg/l	ND µg/l
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/26/1998	12/9/1998	5/26/1999	6/30/2000
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	0.6 µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	12/13/2000	6/5/2001	11/16/2001	6/11/2002	11/8/2002	6/20/2003	12/2/2003	6/24/2004
Acetone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Acrylonitrile	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Benzene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromochloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Butanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Disulfide	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Carbon Tetrachloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chlorobenzene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloromethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1-Dichloroethene	ug/L	7	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methylene Chloride	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,2-Dichloropropane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Ethylbenzene	ug/L	700	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
2-Hexanone	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	12/13/2000	6/5/2001	11/16/2001	6/11/2002	11/8/2002	6/20/2003	12/2/2003	6/24/2004
Iodomethane	ug/l	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Styrene	ug/L	100	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Tetrachloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Toluene	ug/L	1000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	1.3 µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichloroethene	ug/L	5	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Trichlorofluoromethane	ug/L	--	2.8 µg/l	2.5 µg/l	2.1 µg/l	2.2 µg/l	2.4 µg/l	1.7 µg/l	2.2 µg/l	1.4 µg/l
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Acetate	ug/L	--	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Vinyl Chloride	ug/L	2	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromodichloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Dibromochloromethane	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Bromoform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Chloroform	ug/L	80	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l	ND µg/l
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	10/22/2004	7/20/2005	11/4/2005	3/16/2006	10/16/2006	8/13/2007	2/5/2008	8/5/2008
Acetone	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/l	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-18									
Number of Sampling Dates:	59									
Parameter Name	**Units**	**MCL**	**10/22/2004**	**7/20/2005**	**11/4/2005**	**3/16/2006**	**10/16/2006**	**8/13/2007**	**2/5/2008**	**8/5/2008**
1,4-Dichlorobenzene	ug/L	75	ND µg/l	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/l	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/l	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/l	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/l	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	1.6 µg/l	1.5	1.6	0.7	0.9	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/l	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/l	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/17/2009	8/18/2009	1/19/2010	9/8/2010	1/6/2011	7/27/2011	2/21/2012	8/21/2012
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/17/2009	8/18/2009	1/19/2010	9/8/2010	1/6/2011	7/27/2011	2/21/2012	8/21/2012
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/10/2013	8/29/2013	2/7/2014	8/7/2014	2/11/2015	8/18/2015	2/18/2016	8/2/2016
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/10/2013	8/29/2013	2/7/2014	8/7/2014	2/11/2015	8/18/2015	2/18/2016	8/2/2016
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/10/2017	7/20/2017	1/25/2018	7/13/2018	2/14/2019	8/14/2019	3/18/2020	8/26/2020
Acetone	ug/L	--	ND	ND	3.3 J	ND	ND	ND	ND	3.7 J
Acrylonitrile	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	0.57 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND U	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND U	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	0.31 J	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/10/2017	7/20/2017	1/25/2018	7/13/2018	2/14/2019	8/14/2019	3/18/2020	8/26/2020
1,2-Dichloroethane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND U	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	0.33 J	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	0.63 J
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND U	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND U	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND U	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND U	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND U	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	0.6 J	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND U	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/11/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023	1/25/2024	8/28/2024
Acetone	ug/L	--	3.8 J	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/11/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023	1/25/2024	8/28/2024
Bromomethane	ug/L	--	ND	ND	ND	ND	0.41 J	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	0.26 J	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	0.51 J	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/11/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023	1/25/2024	8/28/2024
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	4.01
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	ND U
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	ND U

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/5/2025	7/22/2025	1/7/2026
Acetone	ug/L	--	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND
Iodomethane	ug/l	--	ND	2.1	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/5/2025	7/22/2025	1/7/2026
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	3.68 U	3.53	4.02
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	ND U	ND U	1.58
Perfluorononanoic acid (PFNA)	ng/l	10	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	ND U	ND U	1.1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	3.28 U	2.76	3.38

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	5/17/1996	11/7/1996	4/17/1997	10/30/1997	6/26/1998	12/9/1998	5/26/1999	6/30/2000
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.007	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.034	0.031	0.002	0.024	0.021	0.026	0.02	0.018
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	0.0016	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	26.8	26	26	26.8	28.5	32.2	26.6	28.6
Chromium, total	mg/l	0.1	ND	0.0039	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.005	ND	0.01	ND	ND	0.005	0.004	0.004
Iron, total	mg/l	--	0.568	ND	ND	0.297	ND	1.35	0.122	ND
Lead, total	mg/l	0.015	ND	0.007	ND	0.003	ND	ND	0.002	ND
Magnesium, total	mg/l	--	7.72	8	8	8.55	8.64	9.15	8.48	10.1
Manganese, total	mg/l	--	0.02	ND	ND	0.024	0.021	0.02	0.025	0.029
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	8.07	4.3	8.8	5.85	3.28	11.5	27.1	2.02
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	4.5	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.55	ND	4.7	5.45	5.2	8.17	12.2	5.79
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.013	ND	0.03	0.013	0.017	0.031	0.064	0.014
Alkalinity, Total	mg/L	--	95	110	91	88	81	108	121	89.5
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	9.94	14	14	20.1	19	16.5	19.2	ND
Hardness	mg/l	--	100	120	108	106	108	121	99	116
Nitrate/Nitrite-N	mg/L	10	2.76	2.2	2	2.94	2.65	2.17	2.01	ND
pH	pH_Units	--	6.64 units	6.59 units	6.85 units	6.35 units	6.4 units	6.47 units	6.75 units	6.41 units
Specific Conductance	umhos/cm	--	--	180	269	59.5	200	230.6	321.5	51
Sulfate	mg/l	--	11.3	ND	ND	4.3	3.85	5.3	2.26	1.76
Total Dissolved Solids	mg/L	--	140	150	140	139	130	167	190	107
Turbidity	NTU	--	9.7	14	3.4	4.9	4.9	9.1	3.6	2.8

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	12/13/2000	6/5/2001	11/16/2001	6/11/2002	11/8/2002	6/20/2003	12/2/2003	6/24/2004
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.015	0.018	0.02	0.016	0.015	0.024	0.016	0.017
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	26.2	27	28.1	24.9	23.5	32.1	26.9	30.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.005	0.004	ND	0.006	ND	0.008
Iron, total	mg/l	--	ND	ND	0.117	ND	0.037	ND	0.104	0.062
Lead, total	mg/l	0.015	ND	0.006	0.002	ND	ND	0.002	ND	ND
Magnesium, total	mg/l	--	9.81	9.89	9.48	7.97	8.76	9.55	9.17	10.1
Manganese, total	mg/l	--	0.022	0.025	0.036	0.033	0.032	0.049	0.017	0.011
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.94	3.91	8.7	7.82	2.49	2.9	2.83	6.47
Selenium, total	mg/l	0.05	ND	0.003	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	6.4	6.96	7.87	7.3	6.08	6.28	5.94	8.59
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.023	0.026	0.038	0.03	0.021	0.013	0.013	0.033
Alkalinity, Total	mg/L	--	80	91	105	91	73	102	86	100
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	12/13/2000	6/5/2001	11/16/2001	6/11/2002	11/8/2002	6/20/2003	12/2/2003	6/24/2004
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	11
Chloride	mg/l	--	32.1	14.7	15.6	2.1	17.2	18.2	15.7	15.7
Hardness	mg/l	--	110	116	110	87	96.4	123	107	126
Nitrate/Nitrite-N	mg/L	10	1.28	2.23	2.35	2.8	2.32	2.63	2.22	2.35
pH	pH_Units	--	6.35 units	5.39 units	6.5 units	6.24 units	5.24 units	6.52 units	6.9 units	6.53 units
Specific Conductance	umhos/cm	--	178.6	250.1	271.4	331.9	224.5	205.4	160.4	218.4
Sulfate	mg/l	--	6.72	2.66	3.34	4.93	2.72	4.07	3.52	3.92
Total Dissolved Solids	mg/L	--	126	137	143	146	134	156	169	162
Turbidity	NTU	--	1.5	8.1	1.9	2.7	1.6	14	12	13

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	10/22/2004	7/20/2005	11/4/2005	3/16/2006	10/16/2006	8/13/2007	2/5/2008	8/5/2008
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	0.002	ND	ND	ND	ND	0.002	0.003
Barium, total	mg/l	2	0.014	0.023	0.014	0.018	0.029	0.022	0.03	0.025
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	22.3	ND	ND
Calcium, total	mg/l	--	27	--	--	--	--	--	--	24.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	0.005
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.005	ND	0.004	ND	ND	0.008	ND	ND
Iron, total	mg/l	--	0.219	0.685	0.017	0.054	0.78	0.274	0.08	0.094
Lead, total	mg/l	0.015	ND	ND	ND	ND	0.004	ND	ND	ND
Magnesium, total	mg/l	--	9.25	10.1	8.82	9.21	15.8	12.9	--	14.7
Manganese, total	mg/l	--	0.007	0.014	0.006	0.005	0.143	0.022	0.004	0.008
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	--	--	0.002	ND
Potassium, total	mg/l	--	4.57	2.3	2.19	16.4	--	--	--	41.4
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	6.83	5.34	5.21	9.1	--	--	--	16.9
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.011	0.012	0.012	0.013	0.01	0.038	0.007	0.007
Alkalinity, Total	mg/L	--	84	91 mg/L as CaCO3	88 mg/L as CaCO3	127 mg/L as CaCO3	166 mg/L as CaCO3	163 mg/L as CaCO3	190 mg/L as CaCO3	184 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	0.25 mg/L as N	ND mg/L as N	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	16.4	16.8	17.5	17.5	16.9	39.4	16.9	17.3
Hardness	mg/l	--	106	126	107	126	197	109	184 mg/L as CaCO3	122 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	2.17	2.24 mg/L as N	2.17 mg/L as N	--	--	--	2.23	2.03
pH	pH_Units	--	5.87 units	--	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	255.4	--	--	--	--	--	--	--
Sulfate	mg/l	--	3.39	3.7	3.86	4.33	5.38	9.33	9.24	6.72
Total Dissolved Solids	mg/L	--	123	159	152	198	213	254	251	268
Turbidity	NTU	--	9.9	6.3	17	2.9	50	16	--	--

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/17/2009	8/18/2009	1/19/2010	9/8/2010	1/6/2011	7/27/2011	2/21/2012	8/21/2012
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.003	0.003	0.003	0.005	0.009	0.011	0.013	0.0164
Barium, total	mg/l	2	0.033	0.009	0.006	0.01	0.015	0.011	0.013	0.0092
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	21	7.7	7.07	5.21	6.59	6.66	8.65	6.3
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	15.4	13.7	14.1	11.5	13.4	13.5	13.6	12.7
Manganese, total	mg/l	--	0.005	ND	0.003	0.007	0.017	0.002	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/17/2009	8/18/2009	1/19/2010	9/8/2010	1/6/2011	7/27/2011	2/21/2012	8/21/2012
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	55.5	65.6	76.2	80.3	89.6	95.2	85.5	89
Selenium, total	mg/l	0.05	ND	ND	ND	ND	0.002	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	21.8	26.1	29.8	33.8	35	38.4	37.3	37.6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.015	0.008	ND	0.014	ND	ND	ND	0.0157
Alkalinity, Total	mg/L	--	189 mg/L as CaCO3	186 mg/L as CaCO3	189 mg/L as CaCO3	186 mg/L as CaCO3	189 mg/L as CaCO3	196 mg/L as CaCO3	201 mg/L as CaCO3	193
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	18.7	18	18.3	17.7	17.4	17.4	17.4	18.2
Hardness	mg/l	--	116 mg/L as CaCO3	75.6 mg/L as CaCO3	75.8 mg/L as CaCO3	60.4 mg/L as CaCO3	71.7 mg/L as CaCO3	72.2 mg/L as CaCO3	77.6 mg/L as CaCO3	68
Nitrate/Nitrite-N	mg/L	10	2.14	1.08	1.3	2.2	2.17	2.21	2.03	2.11
pH	pH_Units	--	--	--	--	8.36 pH Units	8.86 pH Units	9.3 pH Units	9.07 pH Units	9.28 units
Specific Conductance	umhos/cm	--	--	--	--	598 umhos @ 25°C	571 umhos @ 25°C	389 umhos @ 25°C	619 umhos @ 25°C	594 umhos
Sulfate	mg/l	--	8.12	9.9	14.2	14.6	13.9	17.4	20.6	19.3
Total Dissolved Solids	mg/L	--	275	274	259	302	271	306	282	279
Turbidity	NTU	--	--	--	0.48	0.75	1	0.56	0.25	0.283

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/10/2013	8/29/2013	2/7/2014	8/7/2014	2/11/2015	8/18/2015	2/18/2016	8/2/2016
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	0.00067 J
Arsenic, total	mg/l	0.01	0.0158	0.024	0.0203	0.0254	0.0327	0.0343	0.0443	0.0412
Barium, total	mg/l	2	0.0138	0.0108	0.0123	0.0067	0.0103	0.0068	0.0117	0.0074
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	13.2	5.3	7.75	4.3	4.96	3.52	4.39	3.38
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	0.0179	ND
Iron, total	mg/l	--	ND	0.0647	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	14.8	13.2	15	14.7	13	14.4	14	13.7
Manganese, total	mg/l	--	ND	0.0261	0.0046	ND	0.0048	0.0107	0.0085	0.0036 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	65.9	91	84.4	87.3	90.7	101	98.6	104
Selenium, total	mg/l	0.05	ND	ND	ND	ND	0.002	ND	ND	0.00048 J
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	33.5	36.1	36.8	38.5	36.4	39.5	37.8	42.8
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	0.00079 J
Zinc, total	mg/l	--	0.0131	0.0245	0.0099	0.0065	0.0113	0.0147	ND	ND
Alkalinity, Total	mg/L	--	180	197	186	216	207	197	202	196
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	18.4	18.3	17.2	17.8	17.2	17.7	17.5	18.2
Hardness	mg/l	--	93.9	67.6	81.1	71.3	12.4	68	68.7	65
Nitrate/Nitrite-N	mg/L	10	1.62	1.67	1.51	1.58	1.57	1.68	1.74	2.42
pH	pH_Units	--	8.88 units	8.95 units	9.11 units	9.21 units	9.15 units	9.12 units	8.8 units	8.91 units
Specific Conductance	umhos/cm	--	580 umhos	622 umhos	615 umhos	338 umhos	585 umhos	63	620	595
Sulfate	mg/l	--	19.6	18.9	21.2	21.4	21.6	21.8	22.8	24.8
Total Dissolved Solids	mg/L	--	235	333	310	310	310	291	319	323
Turbidity	NTU	--	0.231	2.98	0.389	0.21	0.612	1.85	1.03	0.373

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/10/2017	7/20/2017	1/25/2018	7/13/2018	2/14/2019	8/14/2019	3/18/2020	8/26/2020
Antimony, total	mg/l	0.006	ND	ND	0.001 J	ND	ND	0.0009 J	0.00074 J	0.00098 J
Arsenic, total	mg/l	0.01	0.0439	0.0434	0.045	0.024	0.029	0.037	0.032	0.033
Barium, total	mg/l	2	0.008	0.012	0.016	0.012	0.011	0.0095	0.012	0.0093
Beryllium, total	mg/l	0.004	ND	ND	ND U	ND	ND	ND	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/10/2017	7/20/2017	1/25/2018	7/13/2018	2/14/2019	8/14/2019	3/18/2020	8/26/2020
Cadmium, total	mg/l	0.005	ND	ND	ND U	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	3.54	5.51	5.2	8.2	5	4.3	5.7	3.7
Chromium, total	mg/l	0.1	ND	ND	0.0015 J	ND	0.00087 J	0.0016 J	0.0011 J	ND
Cobalt, total	mg/l	--	ND	ND	0.0021 J	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.0022 J	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	ND	0.52	ND	ND	0.027 J	ND	ND
Lead, total	mg/l	0.015	ND	ND	0.0011 J	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	13.1	14.4	13.9	12.9	12.4	17	15.9	16
Manganese, total	mg/l	--	0.0114	ND	0.11	ND	0.0048 J	0.0075	0.0023 J	ND
Mercury, Total	mg/L	0.002	ND	ND	ND U	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	0.0031 J	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	99.6	102	93.8	77.5	80.4	82.3	86.6	84
Selenium, total	mg/l	0.05	ND	ND	ND U	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND U	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	40	40	40.5	34.9	34.2	38.2	37.5	34.4
Thallium, total	mg/l	0.002	ND	ND	ND U	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	0.0043 J	ND	0.0062	0.0036 J	0.0033 J	ND
Alkalinity, Total	mg/L	--	211	210	221	220	210	208	209	214
Ammonia-N, Low Level	mg/L	--	ND	ND	ND U	3.51	0.308	ND	ND	0.01 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND U	ND	18	9 J	ND	44
Chloride	mg/l	--	17.1	18.3	21.8	23.2	22.9	22.5	17.1	23
Hardness	mg/l	--	62.9	73.1	70.3	73.5	63.6	80.6	79.7	75.1
Nitrate/Nitrite-N	mg/L	10	1.57	1.52	1.5	1.5	1.5	1.5	1.2	1.5
pH	pH_Units	--	8.82 units	9.41 units	9.28	8.59	8.73	8.94	8.69	9.07
Specific Conductance	umhos/cm	--	629	606	593	573	566	571	551	559
Sulfate	mg/l	--	25.7	26.4	29.3	31.4	27.9	28	24.2	28.5
Total Dissolved Solids	mg/L	--	359	352	320	323	347	355	212	344
Turbidity	NTU	--	1.66	1.48	10.7	0.3	7.52	0.83	0.3	0.44

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/11/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023	1/25/2024	8/28/2024
Antimony, total	mg/l	0.006	ND	0.00074 J	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.022	0.029	0.04	0.026	0.031	0.024	0.014	0.018
Barium, total	mg/l	2	0.014	0.011	0.037	0.019	0.043	0.022	0.027	0.025
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	11.7	5.8	8.7	7.5	11.9	8.9	18.5	11.9
Chromium, total	mg/l	0.1	ND	ND	ND	0.0038	0.0013 J	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.023 J	ND	0.033 J	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	16.5	17.5	17.8	20.3	22	19.6	23	22.7
Manganese, total	mg/l	--	ND	ND	0.0035 J	0.0088	0.0086	0.0059	ND	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	70.6	77.8	77.3	78.7	72.7	71.3	62.5	69.9
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	34.4	36.1	36.6	36.4	34.7	34.1	32.1	34.1
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Alkalinity, Total	mg/L	--	222	200	201	210	104	214	220	217
Ammonia-N, Low Level	mg/L	--	0.02 J	0.02 J	ND	0.02 J	0.02 J	0.01 J	0.02 J	0.06 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	5 J	ND	7 J	ND
Chloride	mg/l	--	27.1	25.1	21.8	19.8	22.4	23.2	24.1	24
Hardness	mg/l	--	96.9	86.6	95.1	102	120	103	141	123
Nitrate/Nitrite-N	mg/L	10	2	1.8	1.6	1.69	1.74	1.5 J	1.6 J	1.64
pH	pH_Units	--	8.59	8.66	8.93	8.77	8.5	8.69	8.48	8.64
Specific Conductance	umhos/cm	--	563	523	645	569	586	575	556	567
Sulfate	mg/l	--	24.7	29.5	28.2	25.5	28.9	27.6	24.3	28.7

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/11/2021	7/27/2021	3/1/2022	9/21/2022	3/8/2023	7/18/2023	1/25/2024	8/28/2024
Total Dissolved Solids	mg/L	--	304	362	290	284	338	348	312	272
Turbidity	NTU	--	ND	0.16	0.57	0.64	1.3	1.6	ND	ND

Location ID: M-18
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/5/2025	7/22/2025	1/7/2026
Antimony, total	mg/l	0.006	ND	ND	ND
Arsenic, total	mg/l	0.01	0.0056	0.006	0.0056
Barium, total	mg/l	2	0.026	0.034	0.032
Beryllium, total	mg/l	0.004	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND
Calcium, total	mg/l	--	36.7	44	46
Chromium, total	mg/l	0.1	0.0029	0.00084 J	ND
Cobalt, total	mg/l	--	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND
Iron, total	mg/l	--	0.025 J	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND
Magnesium, total	mg/l	--	16.8	20.7	20.1
Manganese, total	mg/l	--	0.0035 J	0.002 J	ND
Mercury, Total	mg/L	0.002	ND	ND	ND
Nickel, total	mg/l	--	0.0027 J	ND	0.002 J
Potassium, total	mg/l	--	18	23.4	17.4
Selenium, total	mg/l	0.05	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND
Sodium, Total	mg/L	--	16.1	17.7	14.6
Thallium, total	mg/l	0.002	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND
Alkalinity, Total	mg/L	--	154	207	183
Ammonia-N, Low Level	mg/L	--	0.02 J	0.21	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND
Chloride	mg/l	--	31.8	34.3	31.3
Hardness	mg/l	--	161	178	175
Nitrate/Nitrite-N	mg/L	10	1.9 J	2 J	2.2
pH	pH_Units	--	8.3	8.44	8.3
Specific Conductance	umhos/cm	--	421	530	473
Sulfate	mg/l	--	12.6	17.1	12
Total Dissolved Solids	mg/L	--	208	300	256
Turbidity	NTU	--	0.9	3.2	2.2

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-19									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**5/17/1996**	**11/5/1996**	**4/15/1997**	**10/30/1997**	**6/23/1998**	**12/11/1998**	**5/27/1999**	**11/17/1999**
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	6.3 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	5/17/1996	11/5/1996	4/15/1997	10/30/1997	6/23/1998	12/11/1998	5/27/1999	11/17/1999
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	0.6 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	5/19/2000	12/15/2000	6/7/2001	11/16/2001	6/13/2002	6/19/2003	12/5/2003	6/22/2004
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

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Parameter Name	Units	MCL	5/19/2000	12/15/2000	6/7/2001	11/16/2001	6/13/2002	6/19/2003	12/5/2003	6/22/2004
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	0.9 µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

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Number of Sampling Dates: 62

Parameter Name	Units	MCL	10/20/2004	10/22/2004	7/21/2005	11/1/2005	3/16/2006	9/11/2006	2/23/2007	8/14/2007
Acetone	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-19									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**10/20/2004**	**10/22/2004**	**7/21/2005**	**11/1/2005**	**3/16/2006**	**9/11/2006**	**2/23/2007**	**8/14/2007**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	1.6	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

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Number of Sampling Dates: 62

Parameter Name	Units	MCL	2/5/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010	3/15/2010	9/9/2010	1/7/2011
Acetone	ug/L	--	ND	ND	7.9	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	14	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	--	--	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter Name	Units	MCL	2/5/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010	3/15/2010	9/9/2010	1/7/2011
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

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Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/1/2011	2/24/2012	8/21/2012	1/10/2013	8/30/2013	2/6/2014	8/7/2014	2/11/2015
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/1/2011	2/24/2012	8/21/2012	1/10/2013	8/30/2013	2/6/2014	8/7/2014	2/11/2015
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	1.26
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	1.26
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/17/2015	2/17/2016	8/4/2016	1/12/2017	7/19/2017	1/23/2018	7/12/2018	2/13/2019
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND U	3.9 J	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND U	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND U	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND U	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND U	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND U	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/17/2015	2/17/2016	8/4/2016	1/12/2017	7/19/2017	1/23/2018	7/12/2018	2/13/2019
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND U	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND U	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND U	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND U	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND U	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND U	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND U	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND U	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND U	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND U	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND U	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND U	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND U	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND U	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND U	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND U	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND U	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/8/2023
Acetone	ug/L	--	ND	ND	4.5 J	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-19									
Number of Sampling Dates:	62									
Parameter Name	**Units**	**MCL**	**8/16/2019**	**3/17/2020**	**8/25/2020**	**3/16/2021**	**7/26/2021**	**3/2/2022**	**9/21/2022**	**3/8/2023**
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	0.33 J	ND	0.43 J	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	0.57 J	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/8/2023
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	7/19/2023	1/22/2024	8/29/2024	2/3/2025	7/23/2025	1/6/2026
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	2	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	7/19/2023	1/22/2024	8/29/2024	2/3/2025	7/23/2025	1/6/2026		
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND		
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND		
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND		
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND		
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND		
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND		
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND		
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND		
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND		
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND		
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND		
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND		
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	6.84	9.65	9.75	9.19		
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	6.34	9.54	9.58	10.3		
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	ND U	ND U	ND U	1.47		
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	ND U	ND U	2.25	1.77		
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	ND U	ND U	ND U	ND U		
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	3.3 U	4.06	4.24	3.87		

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	5/17/1996	11/5/1996	4/15/1997	10/30/1997	6/23/1998	12/11/1998	5/27/1999	11/17/1999
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	0.017	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.011	0.009	0.004	0.016	0.011	0.005	0.008	0.004
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	0.0026	ND	ND	ND	ND	0.005	ND	ND
Calcium, total	mg/l	--	6.3	6.5	5.7	8.03	7.4	8.41	9.04	8.8
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.009	ND	ND	ND	ND	ND	0.008	0.004
Iron, total	mg/l	--	1.24	ND	ND	1.71	0.46	0.241	ND	0.184
Lead, total	mg/l	0.015	ND	ND	ND	0.008	ND	0.009	0.003	ND
Magnesium, total	mg/l	--	5.7	5.9	5.3	6.36	7.65	7.11	8.31	7.81
Manganese, total	mg/l	--	ND	ND	ND	0.156	0.031	0.089	0.006	0.012
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	1.37	ND	1.1	0.861	0.992	0.826	1.14	ND
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	3.35	3.9	3.3	4.12	4.48	4.5	5.75	4.87
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.059	0.024	ND	0.025	0.03	0.018	0.029	0.016
Alkalinity, Total	mg/L	--	20	ND	17	53	16	34	22	23
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	11	ND	ND	ND
Chloride	mg/l	--	10.4	13	16	19.5	20.3	20.8	24.4	30.3
Hardness	mg/l	--	48	38	44	46	50	51	58	57.1
Nitrate/Nitrite-N	mg/L	10	3.06	2.8	2.7	2.59	3.7	2.92	2.93	3.37
pH	pH_Units	--	6.33 units	5.9 units	6.39 units	6.52 units	5.86 units	6.15 units	5.99 units	5.9 units
Specific Conductance	umhos/cm	--	--	500	92.6	31.6	120	106.5	166.8	120.1
Sulfate	mg/l	--	9.22	5	ND	35	1.31	1.47	0.77	ND
Total Dissolved Solids	mg/L	--	69	75	110	103	86	67	90	115
Turbidity	NTU	--	26	41	8.8	ND	0.8	27	12	8.7

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	5/19/2000	12/15/2000	6/7/2001	11/16/2001	6/13/2002	6/19/2003	12/5/2003	6/22/2004
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.01	0.009	0.009	0.009	0.012	0.029	0.023	0.032
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	11.1	13.2	15.2	17	19.2	20.1	22.2	26.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.008	ND	0.006	0.013	0.006	0.0005	0.003
Iron, total	mg/l	--	0.331	ND	ND	0.582	0.513	ND	ND	0.101
Lead, total	mg/l	0.015	0.006	0.003	ND	ND	0.002	ND	ND	ND
Magnesium, total	mg/l	--	10.5	11.8	13.7	15.6	16.5	19.7	21	23.5
Manganese, total	mg/l	--	0.017	0.041	0.018	0.009	0.005	0.005	0.007	0.01
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.838	0.608	1.05	1.66	0.738	1.88	1.77	1.9
Selenium, total	mg/l	0.05	ND	ND	0.003	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	7.49	9.26	12.6	12.4	14.7	30.8	41.7	55.1
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.017	0.031	0.016	0.031	0.042	0.006	0.044	0.026
Alkalinity, Total	mg/L	--	20	20	21	24	22	21.7	21	18
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	5/19/2000	12/15/2000	6/7/2001	11/16/2001	6/13/2002	6/19/2003	12/5/2003	6/22/2004
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	15	ND	ND	ND	14
Chloride	mg/l	--	40.8	39.2	54.7	63.3	75.7	106	110	75.5
Hardness	mg/l	--	71	83	98.1	110	108	133	142	158
Nitrate/Nitrite-N	mg/L	10	3.8	2.08	4.16	3.07	3.27	4.2	4.48	4.08
pH	pH_Units	--	6.03 units	5.76 units	5.86 units	5.7 units	5.83 units	5.92 units	7 units	5.5 units
Specific Conductance	umhos/cm	--	152.2	171.9	227	319.5	331.2	367.4	439.4	703
Sulfate	mg/l	--	1.16	ND	71.5	ND	2.49	1.26	0.559	22.4
Total Dissolved Solids	mg/L	--	115	112	175	211	213	276	328	488
Turbidity	NTU	--	6.4	41.3	16	9.6	16	2	11	4.2

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	10/20/2004	10/22/2004	7/21/2005	11/1/2005	3/16/2006	9/11/2006	2/23/2007	8/14/2007
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.002	ND	ND	ND	0.002	0.004	0.003	0.005
Barium, total	mg/l	2	0.013	0.014	0.027	0.024	0.024	0.016	0.015	0.019
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	37.4	ND
Calcium, total	mg/l	--	30.3	--	--	--	--	--	--	--
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	0.009	0.012	0.019
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.005	0.005	0.003	ND	0.003	0.006	ND	ND
Iron, total	mg/l	--	ND	0.219	ND	0.058	0.362	0.321	0.274	0.41
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	26	9.28	28.6	25.6	27.6	30.3	28.5	34.1
Manganese, total	mg/l	--	0.005	0.009	ND	0.007	0.02	0.02	0.011	0.021
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	--	--	--
Potassium, total	mg/l	--	2.24	3.83	2.17	2	2.36	--	--	--
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	59.3	6.83	74.1	78.6	79.8	--	--	--
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.026	0.011	0.017	0.014	0.031	0.028	0.016	0.022
Alkalinity, Total	mg/L	--	25	84	23 mg/L as CaCO3	26 mg/L as CaCO3	25 mg/L as CaCO3	24 mg/L as CaCO3	30 mg/L as CaCO3	25 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	193	16.4	219	222	252	276	368	269
Hardness	mg/l	--	180	106	192	179	194	215	202	243
Nitrate/Nitrite-N	mg/L	10	3.4	2.17	4.18 mg/L as N	4.13 mg/L as N	--	--	--	--
pH	pH_Units	--	5.9 units	--	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	764	--	--	--	--	--	--	--
Sulfate	mg/l	--	0.88	3.39	1.66	1.43	1.6	1.49	0.79	1.33
Total Dissolved Solids	mg/L	--	434	123	511	460	468	705	521	690
Turbidity	NTU	--	10	9.9	6.1	1.6	15	7.7	15	8.2

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	2/5/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010	3/15/2010	9/9/2010	1/7/2011
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.003	0.003	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.021	0.012	0.018	0.015	ND	0.019	0.022	0.02
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	37.8	40.1	41.7	38.9	51.3	48.6	52.4
Chromium, total	mg/l	0.1	0.003	0.024	ND	0.083	0.612	0.131	0.57	0.497
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.002	0.003	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.176	0.149	0.419	2.64	0.476	1.59	1.75
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	--	32.4	35.3	33	32	39.1	40.9	45.6
Manganese, total	mg/l	--	0.004	0.014	0.027	0.011	0.008	0.007	0.012	0.013
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	2/5/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010	3/15/2010	9/9/2010	1/7/2011
Nickel, total	mg/l	--	0.008	0.011	0.027	0.031	0.028	0.029	0.042	0.044
Potassium, total	mg/l	--	--	2.49	2.38	2.33	2.07	2.65	2.92	3.03
Selenium, total	mg/l	0.05	0.002	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	--	108	128	123	134	164	192	194
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.012	0.013	0.044	0.012	0.019	0.009	0.013	0.007
Alkalinity, Total	mg/L	--	25 mg/L as CaCO3	28 mg/L as CaCO3	37 mg/L as CaCO3	27.8 mg/L as CaCO3	29 mg/L as CaCO3	30.1 mg/L as CaCO3	27 mg/L as CaCO3	27 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND	ND	0.6	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	13	122	ND	12	ND	ND	ND
Chloride	mg/l	--	336	331	376	423	435	570	509	539
Hardness	mg/l	--	257 mg/L as CaCO3	236 mg/L as CaCO3	245 mg/L as CaCO3	238 mg/L as CaCO3	229 mg/L as CaCO3	289 mg/L as CaCO3	289 mg/L as CaCO3	319 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	3.17	2.87	1.83	1.62	2.31	2.33	3.45	2.8
pH	pH_Units	--	--	--	--	--	--	5.7 pH Units	5.16 pH Units	5.49 pH Units
Specific Conductance	umhos/cm	--	--	--	--	--	--	1541 umhos @ 25°C	1789 umhos @ 25°C	1763 umhos @ 25°C
Sulfate	mg/l	--	5.44	0.84	0.46	1.45	1.57	1.53	1.13	1.21
Total Dissolved Solids	mg/L	--	720	764	736	913	742	833	1201	927
Turbidity	NTU	--	--	--	--	--	--	2	5.7	7.32

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/1/2011	2/24/2012	8/21/2012	1/10/2013	8/30/2013	2/6/2014	8/7/2014	2/11/2015
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.019	0.017	0.018	0.0234	0.0139	0.0158	0.0153	0.0128
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	47.7	45.7	43.4	39	38.5	35.8	34.6	30.9
Chromium, total	mg/l	0.1	0.927	0.963	1.76	0.0355	0.629	0.438	0.118	0.983
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	0.0064	ND	0.0053
Iron, total	mg/l	--	2.87	2.88	4.9	0.128	2.39	1.23	0.384	2.96
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	39.6	37.9	35.6	32.4	31.5	30.3	27.9	24.1
Manganese, total	mg/l	--	0.011	0.009	0.0079	0.0163	0.0079	0.0081	0.0078	0.0071
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.037	0.037	0.033	0.0315	0.0414	0.0329	0.0291	0.0286
Potassium, total	mg/l	--	3.34	2.87	2.58	2.52	2.47	2.57	2.54	2.17
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	193	184	188	177	175	183	144	146
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.007	0.006	0.019	0.02	0.0293	0.0241	0.0121	0.0146
Alkalinity, Total	mg/L	--	28 mg/L as CaCO3	30 mg/L as CaCO3	28.7	27.5	31.6	30.8	39.6	34.5
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	13	ND	ND	ND	ND	ND	12
Chloride	mg/l	--	552	559	574	469	508	500	441	447
Hardness	mg/l	--	282 mg/L as CaCO3	270 mg/L as CaCO3	255	231	226	214	201	77.2
Nitrate/Nitrite-N	mg/L	10	2.49	2.59	2.74	3	2.34	2.19	2.34	2.03
pH	pH_Units	--	6.15 pH Units	6.07 pH Units	5.89 units	5.87 units	5.92 units	5.68 units	5.79 units	5.7 units
Specific Conductance	umhos/cm	--	1671 umhos @ 25°C	1754 umhos @ 25°C	1632 umhos	1452 umhos	1504 umhos	1581 umhos	1112 umhos	1248 umhos
Sulfate	mg/l	--	1.51	1.52	1.39	1.85	1.96	1.46	1.52	ND
Total Dissolved Solids	mg/L	--	960	839	834	715	760	694	744	599
Turbidity	NTU	--	11	10	17.7	0.565	8.69	4.7	1.61	11.5

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Parameter Name	Units	MCL	8/17/2015	2/17/2016	8/4/2016	1/12/2017	7/19/2017	1/23/2018	7/12/2018	2/13/2019
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND U	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND U	ND	ND
Barium, total	mg/l	2	0.0122	0.0109	0.0104	0.0091	0.0095	0.0093	0.016	0.016
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND U	ND	ND

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Parameter Name	Units	MCL	8/17/2015	2/17/2016	8/4/2016	1/12/2017	7/19/2017	1/23/2018	7/12/2018	2/13/2019
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND U	ND	ND
Calcium, total	mg/l	--	30.1	28.3	24.4	25.9	24.5	22.6	23	17.6
Chromium, total	mg/l	0.1	0.219	0.316	0.314	0.212	0.445	0.14	0.2	0.052
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND U	ND	ND
Copper, total	mg/l	1.3	ND	0.008	ND	ND	ND	0.022	0.0078	0.0034 J
Iron, total	mg/l	--	0.564	1.09	1.08	0.649	1.44	0.44	0.94	0.19
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND U	ND	ND
Magnesium, total	mg/l	--	25.3	22.5	19.6	21	19.7	19.5	21	14.9
Manganese, total	mg/l	--	0.0078	0.0064	0.0053	0.0042	0.0043	0.0041 J	0.0069	0.0051 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND U	ND	ND
Nickel, total	mg/l	--	0.0335	0.0246	0.027	0.0183	0.0153	0.014	0.013	0.0074
Potassium, total	mg/l	--	2.26	2.13	2	1.92	1.99	1.8	2.1	1.7
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND U	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND U	ND	ND
Sodium, Total	mg/L	--	154	141	135	133	137	131	142	110
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND U	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND U	ND	ND
Zinc, total	mg/l	--	0.0109	ND	ND	ND	ND	0.0046 J	0.013	0.012
Alkalinity, Total	mg/L	--	32.6	34.4	34.5	33.8	34.1	41	42	42
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	0.049 J	0.24	0.202
Chemical Oxygen Demand (COD)	mg/L	--	13	ND	ND	ND	ND	7	ND	16
Chloride	mg/l	--	379	346	344	385	342	310	298	219
Hardness	mg/l	--	179	163	142	151	142	137	144	105
Nitrate/Nitrite-N	mg/L	10	2.06	1.91	1.96	1.87	1.85	1.9	2.5	3.1
pH	pH_Units	--	5.57 units	5.66 units	6.16 units	5.46 units	6.5 units	6.51	6.39	6.46
Specific Conductance	umhos/cm	--	1209	1106	1068	1069	1076	1040	978	855
Sulfate	mg/l	--	1.03	1.92	3.08	3.1	3.47	3.2	3.9	3.1
Total Dissolved Solids	mg/L	--	584	554	580	527	570	467	537	456
Turbidity	NTU	--	3.34	6.37	6.14	5.46	7.24	2.24	3.84	0.94

Location ID: M-19
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Parameter Name	Units	MCL	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/8/2023
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0078	0.0089	0.0081	0.0095	0.0072	0.0077	0.007	0.009
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	19.9	22.5	19.4	20.8	19.3	18.6	19.7	21.5
Chromium, total	mg/l	0.1	0.23	0.033	0.068	0.028	0.039	0.026	0.15	0.038
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0074	0.0048 J	0.0033 J	0.0025 J	ND	0.0025 J	ND	ND
Iron, total	mg/l	--	1	0.25	0.38	0.11	0.16	0.1	0.39	0.14
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	17.3	19.7	18.1	19.4	16.3	16.8	16.8	18.1
Manganese, total	mg/l	--	0.0069	0.0048 J	0.0049 J	0.0044 J	0.0044 J	0.0042 J	0.0037 J	0.0044 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.021	0.021	0.013	0.017	0.014	0.017	0.0088	0.01
Potassium, total	mg/l	--	1.8	2	1.7	2	1.7	1.8	1.7	1.8
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	0.00082 J	ND	ND	ND	ND
Sodium, Total	mg/L	--	118	137	128	136	121	123	115	125
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0058	0.0052 J	0.003 J	0.0096	0.0076	0.0046 J	0.0026 J	0.0042 J
Alkalinity, Total	mg/L	--	44	42	38	44	40	39	44	50
Ammonia-N, Low Level	mg/L	--	ND	ND	0.48	0.06 J	0.03 J	0.03 J	0.02 J	0.01 J
Chemical Oxygen Demand (COD)	mg/L	--	9 J	9 J	63	ND	ND	ND	ND	6 J
Chloride	mg/l	--	229	270	261	274	268	249	207	254
Hardness	mg/l	--	121	137	123	132	115	116	118	128
Nitrate/Nitrite-N	mg/L	10	1.9	1.8	2	2.3	2.1	1.7	1.68	1.76
pH	pH_Units	--	6.59	6.16	6.03	6.89	6.63	7.1	7.58	6.75
Specific Conductance	umhos/cm	--	911	965	925	885	865	953	849	946
Sulfate	mg/l	--	3.7	3.3	3.8	3.6	4.9	4.6	6.1	4.5

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/8/2023
Total Dissolved Solids	mg/L	--	456	590	502	494	524	450	438	498
Turbidity	NTU	--	4.79	1.67	2.26	0.33	1.01	0.83	2.5	1.6

Location ID: M-19
Number of Sampling Dates: 62

Parameter Name	Units	MCL	7/19/2023	1/22/2024	8/29/2024	2/3/2025	7/23/2025	1/6/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0073	0.0073	0.025	0.0082	0.0075	0.0079
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	20.8	22.8	16.3	21.5	21.6	19.9
Chromium, total	mg/l	0.1	0.049	0.092	0.014	0.11	0.073	0.072
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	0.0029 J	ND	ND
Iron, total	mg/l	--	0.14	0.31	0.028 J	0.42	0.33	0.23
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	17.8	19.4	15.5	18.6	18.7	16.7
Manganese, total	mg/l	--	0.0033 J	0.0029 J	0.0065	0.0061	0.0047 J	0.0038 J
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0049 J	0.0042 J	0.012	0.012	0.011	0.012
Potassium, total	mg/l	--	1.8	1.8	2.1	1.9	1.8	1.8
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	120	133	101	134	125	123
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0032 J	0.0037 J	0.013	0.0046 J	0.0035 J	0.0037 J
Alkalinity, Total	mg/L	--	45	47	36	44	48	44
Ammonia-N, Low Level	mg/L	--	ND	0.03 J	0.06 J	0.02 J	0.14	ND
Chemical Oxygen Demand (COD)	mg/L	--	8 J	ND	7 J	ND	5 J	5 J
Chloride	mg/l	--	253	103	194	268	251	256
Hardness	mg/l	--	125	137	104	130	124	106
Nitrate/Nitrite-N	mg/L	10	1.5 J	0.69 J	2.98	1.7 J	1.8 J	1.6
pH	pH_Units	--	7.44	7.5	7.59	7.78	7.75	7.19
Specific Conductance	umhos/cm	--	927	959	755	937	954	914
Sulfate	mg/l	--	5.4	2.5	4.4	6	7.1	6
Total Dissolved Solids	mg/L	--	572	476	344	464	484	508
Turbidity	NTU	--	2.6	4.8	1.7	1.7	3.1	4.2

Historical Well Data Table I

Name: Northern Landfill

Location ID:	M-21									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**5/14/1996**	**5/15/1996**	**5/16/1996**	**5/17/1996**	**11/5/1996**	**4/17/1997**	**10/30/1997**	**6/25/1998**
Acetone	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	–	–	–	–
Dibromomethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	–	–	–	–	–	–	–	–	–
1,1-Dichloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	7.2 µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	–	–	–	–	–	–	–	–	–
1,2-Dichloropropane	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	–	–	–	–	–	–	–	–	–
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	–	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/5/1996	4/17/1997	10/30/1997	6/25/1998
Vinyl Chloride	ug/L	2	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/8/1998	5/25/1999	5/24/2000	11/19/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002
Acetone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	–	–	–	–
Dibromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	–	–	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/8/1998	5/25/1999	5/24/2000	11/19/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	–	–	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	1.4 µg/L	1 µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	11/5/2002	6/19/2003	12/5/2003	6/22/2004	10/20/2004	7/19/2005	11/2/2005	3/17/2006
Acetone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Acrylonitrile	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromochloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Butanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Disulfide	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND

Location ID:	M-21									
Number of Sampling Dates:	64									
Parameter Name	**Units**	**MCL**	**11/5/2002**	**6/19/2003**	**12/5/2003**	**6/22/2004**	**10/20/2004**	**7/19/2005**	**11/2/2005**	**3/17/2006**
1,2-Dibromoethane	ug/L	0.05	–	–	–	–	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Hexanone	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Iodomethane	ug/l	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Vinyl Acetate	ug/L	–	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
o-Xylene	ug/L	10000	–	–	–	–	–	–	–	–
m+p Xylenes	ug/L	10000	–	–	–	–	–	–	–	–
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

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Parameter Name	Units	MCL	9/11/2006	2/20/2007	8/13/2007	2/4/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	–	–	–	–	–	ND	ND	ND
m+p Xylenes	ug/L	10000	–	–	–	–	–	ND	ND	ND

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Parameter Name	Units	MCL	9/11/2006	2/20/2007	8/13/2007	2/4/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	–	–	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

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Parameter Name	Units	MCL	9/9/2010	1/7/2011	8/1/2011	2/23/2012	8/22/2012	1/10/2013	8/30/2013	2/6/2014
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND

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Parameter Name	Units	MCL	9/9/2010	1/7/2011	8/1/2011	2/23/2012	8/22/2012	1/10/2013	8/30/2013	2/6/2014
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	5.88	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

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Parameter Name	Units	MCL	8/6/2014	2/11/2015	8/20/2015	2/17/2016	8/4/2016	1/11/2017	7/19/2017	1/24/2018
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND U

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Parameter Name	**Units**	**MCL**	**8/6/2014**	**2/11/2015**	**8/20/2015**	**2/17/2016**	**8/4/2016**	**1/11/2017**	**7/19/2017**	**1/24/2018**
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND U
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND U
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND U
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

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Parameter Name	Units	MCL	7/12/2018	2/14/2019	8/14/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
Acetone	ug/L	–	ND	ND	5.1	ND	4.1 J	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	0.35 J	ND	0.35 J	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	0.55 J	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/12/2018	2/14/2019	8/14/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	1/22/2024	8/27/2024	2/4/2025	7/21/2025	1/7/2026
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	0.42 J	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	1/22/2024	8/27/2024	2/4/2025	7/21/2025	1/7/2026
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	4 U	3.61 U	3.64	4.85
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	4.59	5.04	5.33	4.98
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	ND U	ND U	ND U	1.1
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	4.71	3.56 U	4.3	3.69
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	ND U	ND U	ND U	1.56

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/5/1996	4/17/1997	10/30/1997	6/25/1998
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	0.017	ND	ND	ND
Barium, total	mg/l	2	0.033	0.033	0.037	0.036	0.038	0.03	0.035	0.04
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	0.0014	0.001	ND	ND	ND
Calcium, total	mg/l	–	18.1	16.5	16.3	15.3	18	1.7	18.9	21.3
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.0019	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.005	0.006	0.009	ND	0.01	ND	ND
Iron, total	mg/l	–	ND	ND	ND	1.18	0.83	ND	0.93	0.069
Lead, total	mg/l	0.015	ND	ND	ND	0.003	ND	ND	ND	ND
Magnesium, total	mg/l	–	12.4	11.7	12.2	12.2	13	1.3	12.6	14.9
Manganese, total	mg/l	–	0.038	0.036	0.027	0.07	ND	0.02	0.026	0.01
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	ND	0.012	ND
Potassium, total	mg/l	–	1.87	2.08	0.868	1.84	1.5	2.2	1.63	2.06
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	13.3	12.8	14.2	13.1	14	11	14.5	18.3
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.045	0.032	0.032	0.049	0.03	0.03	0.014	0.011
Alkalinity, Total	mg/L	–	25	24	24	22	14	22	20	21
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	10	ND	ND	ND	ND
Chloride	mg/l	–	42.3	48.7	49.1	43.9	46	57	50.1	58.3
Hardness	mg/l	–	88	88	85	93	96	104	101	115
Nitrate/Nitrite-N	mg/L	10	8.22	8.15	8.81	7.35	12	8	11.2	9.06
pH	pH_Units	–	5.76 units	5.72 units	5.68 units	5.91 units	5.67 units	5.8 units	5.66 units	5.99 units
Specific Conductance	umhos/cm	–	230	220	225	0	250	329	18.1	290
Sulfate	mg/l	–	10.6	12	12.5	12.5	7	6.3	3.1	6.81
Total Dissolved Solids	mg/L	–	219	160	190	170	170	250	152	230
Turbidity	NTU	–	5.2	5.2	12	7.9	15	8.2	15	9.7

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/8/1998	5/25/1999	5/24/2000	11/19/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.04	0.037	0.046	0.037	0.041	0.042	0.043	0.037
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	20.8	20.3	22.2	19.6	22.9	23.8	22.8	21.7
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.013	ND	0.003	ND	0.006	0.006
Iron, total	mg/l	–	ND	ND	ND	0.198	0.419	0.146	0.959	0.61
Lead, total	mg/l	0.015	ND	ND	0.002	ND	0.002	ND	0.002	ND
Magnesium, total	mg/l	–	14	14.1	15.5	14.1	15.8	16.9	15.9	14.8
Manganese, total	mg/l	–	0.025	0.014	0.012	0.018	0.007	0.009	0.006	ND
Mercury, Total	mg/L	0.002	ND	0.0006	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	–	1.16	1.19	1.87	0.819	1.86	2.09	1.93	1.59
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	18.6	18.4	23.1	18.1	21.3	24	21.8	21.2
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.016	0.044	0.048	0.018	0.034	0.015	0.038	0.019
Alkalinity, Total	mg/L	–	21	ND	20	20	23	29	33	24
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	–	69.2	5.14	84	62.6	60.2	66.4	67.9	72.7

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	12/8/1998	5/25/1999	5/24/2000	11/19/2000	12/12/2000	6/7/2001	11/15/2001	6/14/2002
Hardness	mg/l	–	121	111	130	109	126	131	129	116
Nitrate/Nitrite-N	mg/L	10	12.3	8.61	9.08	8.52	8	6.58	9.53	9.77
pH	pH_Units	–	5.51 units	5.59 units	2.3 units	5.61 units	5.64 units	5.69 units	5.64 units	5.74 units
Specific Conductance	umhos/cm	–	266	268.8	313.7	290.5	299.3	312	398.3	405.6
Sulfate	mg/l	–	2.78	2.09	12.9	4.06	4.85	8.73	5.82	7.98
Total Dissolved Solids	mg/L	–	ND	180	253	245	211	242	252	256
Turbidity	NTU	–	9.2	7.3	6.9	7.6	10	4.1	25	8.6

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	11/5/2002	6/19/2003	12/5/2003	6/22/2004	10/20/2004	7/19/2005	11/2/2005	3/17/2006
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.044	0.045	0.036	0.043	0.05	0.053	0.049	0.052
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	–	–	–
Calcium, total	mg/l	–	23	25.7	18.8	25.1	24.2	–	–	–
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.007	0.007	0.008	ND	0.007	0.006	0.004	ND
Iron, total	mg/l	–	ND	ND	ND	ND	ND	0.096	0.117	0.307
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	16.6	18.5	14.5	17.8	16.5	18.4	18.4	19.8
Manganese, total	mg/l	–	0.006	0.074	0.018	0.047	0.013	0.019	0.024	0.055
Mercury, Total	mg/L	0.002	ND	0.0007	ND	0.0009	ND	0.0008	0.0004	0.0005
Nickel, total	mg/l	–	0.012	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	–	1.88	2.51	1.47	1.68	1.49	1.84	1.76	2.02
Selenium, total	mg/l	0.05	ND	0.002	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	23.8	27.7	28.5	32.9	27.4	36.2	33.5	38.3
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.028	0.014	0.052	0.008	0.034	0.013	0.021	0.014
Alkalinity, Total	mg/L	–	24	43	39	37	29	34 mg/L as CaCO3	37 mg/L as CaCO3	41 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND mg/L as N	ND mg/L as N	ND mg/L as N
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	12	ND	ND	ND	ND
Chloride	mg/l	–	61.3	66.6	74.1	223	90.9	96.2	99	99.4
Hardness	mg/l	–	130	146	106	138	130	144	145	152
Nitrate/Nitrite-N	mg/L	10	8.21	5.98	3.93	7.8	9.5	8.55 mg/L as N	7.83 mg/L as N	–
pH	pH_Units	–	12.7 units	5.86 units	4.2 units	5.76 units	5.69 units	–	–	–
Specific Conductance	umhos/cm	–	311	240.8	314.5	197.7	469.4	–	–	–
Sulfate	mg/l	–	8.28	28.9	20.5	220	7.34	17.5	20.5	25.3
Total Dissolved Solids	mg/L	–	218	242	244	318	262	335	291	283
Turbidity	NTU	–	7.2	2.8	4.21	3.3	13	4.46	2.3	6.8

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/11/2006	2/20/2007	8/13/2007	2/4/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	0.002	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.048	0.061	0.05	0.052	0.052	0.05	0.046	0.041
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	–	27.3	0.005	ND	0.013	ND	0.006	ND
Calcium, total	mg/l	–	–	–	–	–	24.9	23.3	24.8	28.8
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.009	ND	ND	ND	ND	0.006	ND
Iron, total	mg/l	–	0.402	6.12	0.622	ND	0.209	ND	ND	0.056
Lead, total	mg/l	0.015	ND	0.002	ND	ND	ND	ND	0.057	ND
Magnesium, total	mg/l	–	18.4	19.7	17.6	–	17.4	16.4	17	19.4
Manganese, total	mg/l	–	0.031	0.23	0.054	0.013	0.013	0.011	0.017	0.035
Mercury, Total	mg/L	0.002	0.0005	0.0013	0.0005	ND	ND	0.0007	0.0002	0.0003
Nickel, total	mg/l	–	–	–	–	0.003	ND	0.006	ND	ND
Potassium, total	mg/l	–	–	–	–	–	1.91	1.65	1.66	1.69
Selenium, total	mg/l	0.05	0.002	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/11/2006	2/20/2007	8/13/2007	2/4/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Sodium, Total	mg/L	–	–	–	–	–	36.2	34	32.5	38.8
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.013	0.023	0.032	0.01	0.017	0.015	0.011	ND
Alkalinity, Total	mg/L	–	33 mg/L as CaCO3	41 mg/L as CaCO3	35 mg/L as CaCO3	36 mg/L as CaCO3	38 mg/L as CaCO3	38 mg/L as CaCO3	41.4 mg/L as CaCO3	53 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	–	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	–	103	103	95	73.9	106	105	103	108
Hardness	mg/l	–	144	149	133	140 mg/L as CaCO3	134 mg/L as CaCO3	126 mg/L as CaCO3	132 mg/L as CaCO3	177 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	–	–	–	6.42	6.34	2.61	2.57	3.32
pH	pH_Units	–	–	–	–	–	–	–	–	–
Specific Conductance	umhos/cm	–	–	–	–	–	–	–	–	–
Sulfate	mg/l	–	15.8	23.2	19.7	22.2	14.9	15.3	17.2	33.3
Total Dissolved Solids	mg/L	–	338	329	327	328	330	295	324	321
Turbidity	NTU	–	11	129	5.7	–	–	–	–	–

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/9/2010	1/7/2011	8/1/2011	2/23/2012	8/22/2012	1/10/2013	8/30/2013	2/6/2014
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.055	0.054	0.055	0.055	0.0572	0.0503	0.0704	0.0516
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	26.7	29.4	27.6	35.5	30.4	32.7	34.2	32.2
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	–	ND	ND	ND	0.078	ND	0.131	0.197	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	18.2	20.2	18.6	22.4	20	21.3	22.5	19.9
Manganese, total	mg/l	–	0.013	0.01	0.015	0.029	0.01	0.0188	0.0087	0.0248
Mercury, Total	mg/L	0.002	ND	ND	ND	0.0005	0.00022	0.000279	0.000218	0.000425
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	–	1.86	2	2.24	2.18	2.07	1.8	2.41	1.97
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	43.2	42.1	42.8	51.5	47.1	43.7	59.7	53.3
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.005	ND	ND	ND	0.0154	0.0132	0.0312	0.0157
Alkalinity, Total	mg/L	–	37 mg/L as CaCO3	37 mg/L as CaCO3	40 mg/L as CaCO3	63 mg/L as CaCO3	41.3	66.2	44.7	67.4
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	13	ND	ND	ND	ND
Chloride	mg/l	–	115	118	120	120	134	111	130	143
Hardness	mg/l	–	142 mg/L as CaCO3	157 mg/L as CaCO3	145 mg/L as CaCO3	181 mg/L as CaCO3	158	169	178	162
Nitrate/Nitrite-N	mg/L	10	8.02	6.56	6.59	4.34	5.83	2.72	5.57	2.98
pH	pH_Units	–	5.39 pH Units	5.63 pH Units	6.35 pH Units	6.27 pH Units	6.06 units	6.05 units	6.12 units	6.16 units
Specific Conductance	umhos/cm	–	618 umhos @ 25°C	604 umhos @ 25°C	607 umhos @ 25°C	712 umhos @ 25°C	210.8 umhos	673 umhos	661 umhos	738 umhos
Sulfate	mg/l	–	10.7	12	14.3	32.4	12.5	36	12	28.1
Total Dissolved Solids	mg/L	–	368	348	324	336	361	297	336	318
Turbidity	NTU	–	0.19	0.72	0.49	0.31	0.209	0.244	0.557	0.241

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/6/2014	2/11/2015	8/20/2015	2/17/2016	8/4/2016	1/11/2017	7/19/2017	1/24/2018
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND U
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND U
Barium, total	mg/l	2	0.0555	0.0521	0.0679	0.0554	0.0641	0.0517	0.0582	0.043
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND U
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND U
Calcium, total	mg/l	–	36.7	34.7	30.1	43.3	33.6	41.1	33.7	30.5
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	0.00085 J
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND U
Copper, total	mg/l	1.3	ND	ND	ND	0.0091	ND	ND	ND	0.0039 J
Iron, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND U

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	8/6/2014	2/11/2015	8/20/2015	2/17/2016	8/4/2016	1/11/2017	7/19/2017	1/24/2018
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND U
Magnesium, total	mg/l	–	21.6	21.8	21.6	22.9	19.8	20.5	19.1	17.2
Manganese, total	mg/l	–	0.028	0.0203	0.0104	0.0279	0.0118	0.024	0.0107	0.016
Mercury, Total	mg/L	0.002	ND	0.00045	ND	0.000243	ND	ND	ND	ND U
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	0.0025 J
Potassium, total	mg/l	–	1.91	1.96	2.29	2.19	2.13	1.98	2.11	1.7
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND U
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND U
Sodium, Total	mg/L	–	52.1	50.8	58.6	67.5	63.9	58.7	58	49.5
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND U
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Zinc, total	mg/l	–	0.0083	0.0059	0.0084	ND	ND	ND	ND	0.0026 J
Alkalinity, Total	mg/L	–	77	75.4	52.1	77.7	60.2	88.6	69.3	102
Ammonia-N, Low Level	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND U
Chemical Oxygen Demand (COD)	mg/L	–	ND	ND	ND	ND	ND	ND	ND	8
Chloride	mg/l	–	167	163	200	164	182	182	149	107
Hardness	mg/l	–	181	86.8	164	202	166	187	163	147
Nitrate/Nitrite-N	mg/L	10	2.6	2.74	4.39	2.19	3.73	1.91	3.08	1.4
pH	pH_Units	–	5.91 units	5.74 units	5.69 units	5.78 units	6.36 units	5.63 units	6.47 units	6.78
Specific Conductance	umhos/cm	–	288.3 umhos	172.5 umhos	734	768	727	724	691	582
Sulfate	mg/l	–	27.1	25.7	13.3	24.7	15.7	27.7	17.2	28.9
Total Dissolved Solids	mg/L	–	357	341	343	387	406	372	371	292
Turbidity	NTU	–	0.328	0.178	0.256	0.24	0.548	0.228	0.312	0.13

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	7/12/2018	2/14/2019	8/14/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.047	0.039	0.041	0.039	0.048	0.03	0.024	0.025
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	39.2	37.7	40.2	42.5	28.9	35.5	32.2	35.4
Chromium, total	mg/l	0.1	0.016	0.00095 J	0.0015 J	0.00087 J	0.00095 J	ND	ND	ND
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.003 J	0.0022 J	ND	ND	ND	ND	ND	0.0025 J
Iron, total	mg/l	–	0.18	0.021 J	0.024 J	ND	0.031 J	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	19.7	16.5	19.6	18.8	17	16.1	13.1	14.6
Manganese, total	mg/l	–	0.031	0.024	0.023	0.021	0.012	0.019	0.014	0.018
Mercury, Total	mg/L	0.002	ND	0.00028 J	ND	ND	ND	ND	ND	0.00019 J
Nickel, total	mg/l	–	0.016	ND	0.0023 J	ND	0.0022 J	ND	ND	0.0024 J
Potassium, total	mg/l	–	1.9	3.9	1.7	1.9	1.8	1.6	1.3	1.4
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	0.0019 J	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	46.7	45.8	45.3	55	55.1	42.1	32.6	32.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.026	0.0087	0.045	0.0078	0.024	0.004 J	0.0051 J	0.0066
Alkalinity, Total	mg/L	–	121	125	121	129	83	138	123	125
Ammonia-N, Low Level	mg/L	–	0.134	0.066 J	ND	ND	0.03 J	0.03 J	0.06 J	0.03 J
Chemical Oxygen Demand (COD)	mg/L	–	ND	19	10 J	10 J	34	17	ND	ND
Chloride	mg/l	–	98.1	87.9	89.8	94.5	113	64.7	43.8	52.6
Hardness	mg/l	–	179	162	181	183	142	155	134	148
Nitrate/Nitrite-N	mg/L	10	0.66	0.92	0.94	1.3	2.6	0.96	0.4	0.54 J
pH	pH_Units	–	6.92	6.76	7.42	6.47	6.23	6.86	6.98	7.65
Specific Conductance	umhos/cm	–	579	610	622	631	579	488	420	518
Sulfate	mg/l	–	32	30.4	28.5	23.3	21.2	25.9	25.9	23.8
Total Dissolved Solids	mg/L	–	335	371	357	314	348	284	250	218
Turbidity	NTU	–	0.23	ND	0.71	0.33	0.3	ND	0.12	0.17

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	1/22/2024	8/27/2024	2/4/2025	7/21/2025	1/7/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-21
Number of Sampling Dates: 64

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	1/22/2024	8/27/2024	2/4/2025	7/21/2025	1/7/2026
Barium, total	mg/l	2	0.033	0.025	0.037	0.022	0.023	0.029	0.021	0.034
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	–	33.4	40.7	31.7	39.2	38.7	38.4	41.5	34.1
Chromium, total	mg/l	0.1	ND	0.00091 J	ND	0.00076 J	ND	ND	0.00079 J	0.00092 J
Cobalt, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	0.024 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	–	15	15.6	15.7	15.5	15.2	17.8	15.4	15.9
Manganese, total	mg/l	–	0.014	0.017	0.011	0.019	0.022	0.024	0.03	0.02
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	–	ND	ND	ND	ND	ND	0.0022 J	ND	0.0019 J
Potassium, total	mg/l	–	1.5	1.3	1.6	1.3	1.4	1.6	1.3	1.6
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	–	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	–	37.3	27.9	45.7	30.4	35.6	43.9	30.4	43.5
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	–	0.014	0.002 J	0.0086	0.0019 J	0.0091	0.0059	0.0051 J	0.0079
Alkalinity, Total	mg/L	–	113	145	105	149	135	123	144	111
Ammonia-N, Low Level	mg/L	–	0.02 J	0.97	ND	0.04 J	0.06 J	0.02 J	1.08	ND
Chemical Oxygen Demand (COD)	mg/L	–	ND	5 J	ND	ND	5 J	5 J	ND	ND
Chloride	mg/l	–	68.5	39.2	94.8	45.5	63.5	87.1	59.1	88.6
Hardness	mg/l	–	145	166	144	162	159	169	150	136
Nitrate/Nitrite-N	mg/L	10	1.22	ND	1.6 J	ND	0.66	1 J	ND	1.2
pH	pH_Units	–	7.99	8.31	7.75	8	8.21	8.24	7.96	7.66
Specific Conductance	umhos/cm	–	468	460	544	455	497	538	497	539
Sulfate	mg/l	–	18.5	18.4	15.9	19	17.7	18.3	17.8	15.8
Total Dissolved Solids	mg/L	–	244	234	342	224	284	254	284	378
Turbidity	NTU	–	ND	0.5	ND	ND	ND	0.3	1.7	2.2

Historical Well Data Table I

Name: Northern Landfill

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/5/1996	4/17/1997	10/31/1997	6/24/1998
Acetone	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	15 µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone(MIBK)	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	5/14/1996	5/15/1996	5/16/1996	5/17/1996	11/5/1996	4/17/1997	10/31/1997	6/24/1998
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	12/31/1998	5/27/1999	11/19/1999	5/23/2000	12/15/2000	6/7/2001	11/15/2001	6/14/2002
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	12/31/1998	5/27/1999	11/19/1999	5/23/2000	12/15/2000	6/7/2001	11/15/2001	6/14/2002
Iodomethane	ug/l	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	0.7 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	11/7/2002	6/20/2003	12/5/2003	6/25/2004	10/19/2004	6/15/2005	11/1/2005	3/17/2006
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	0.5
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND

Location ID:	M-22									
Number of Sampling Dates:	65									
Parameter Name	**Units**	**MCL**	**11/7/2002**	**6/20/2003**	**12/5/2003**	**6/25/2004**	**10/19/2004**	**6/15/2005**	**11/1/2005**	**3/17/2006**
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	9/11/2006	2/21/2007	8/14/2007	2/5/2008	8/4/2008	2/19/2009	8/20/2009	1/21/2010
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	ND	ND	ND
m+p Xylenes	ug/L	10000	--	--	--	--	--	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	--	--	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-22									
Number of Sampling Dates:	65									
Parameter Name	**Units**	**MCL**	**9/11/2006**	**2/21/2007**	**8/14/2007**	**2/5/2008**	**8/4/2008**	**2/19/2009**	**8/20/2009**	**1/21/2010**
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-22									
Number of Sampling Dates:	65									
Parameter Name	**Units**	**MCL**	**9/9/2010**	**1/5/2011**	**8/1/2011**	**2/22/2012**	**8/22/2012**	**1/11/2013**	**8/28/2013**	**2/4/2014**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	9/9/2010	1/5/2011	8/1/2011	2/22/2012	8/22/2012	1/11/2013	8/28/2013	2/4/2014
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	8/7/2014	2/11/2015	8/20/2015	2/17/2016	8/3/2016	1/12/2017	7/20/2017	1/23/2018
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	3.2 J
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND U
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	8/7/2014	2/11/2015	8/20/2015	2/17/2016	8/3/2016	1/12/2017	7/20/2017	1/23/2018
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND U
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND U
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND U
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND U
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND U
m+p Xylenes	ug/L	10000	ND	1.03	ND	ND	ND	ND	ND	ND U
Total Xylenes	ug/L	10000	ND	1.03	ND	ND	ND	ND	ND	ND U
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND U
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	7/11/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
Acetone	ug/L	--	17.8	ND	ND	ND	8.4	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	7/11/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020	3/16/2021	7/26/2021	3/2/2022
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	0.4 J	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	0.36 J	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	0.67 J	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--

Location ID:	M-22									
Number of Sampling Dates:	65									
Parameter Name	**Units**	**MCL**	**7/11/2018**	**2/13/2019**	**8/16/2019**	**3/17/2020**	**8/25/2020**	**3/16/2021**	**7/26/2021**	**3/2/2022**
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID:	M-22									
Number of Sampling Dates:	65									
Parameter Name	**Units**	**MCL**	**9/21/2022**	**3/9/2023**	**7/19/2023**	**11/13/2023**	**1/23/2024**	**8/27/2024**	**2/3/2025**	**7/22/2025**
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	0.44 J	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	2.1
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	0.26 J	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	9/21/2022	3/9/2023	7/19/2023	11/13/2023	1/23/2024	8/27/2024	2/3/2025	7/22/2025
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	6.77	ND U	7.65
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	11.8	ND U	11
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	6.48	ND U	7.09
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	ND U	ND U	1.64 U

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	1/6/2026
Acetone	ug/L	--	ND
Acrylonitrile	ug/L	--	ND
Benzene	ug/L	5	ND
Bromochloromethane	ug/L	--	ND
Bromomethane	ug/L	--	ND
2-Butanone	ug/L	--	ND
Carbon Disulfide	ug/L	--	ND
Carbon Tetrachloride	ug/L	5	ND
Chlorobenzene	ug/L	100	ND
Chloroethane	ug/L	--	ND
Chloromethane	ug/L	--	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND
1,2-Dibromoethane	ug/L	0.05	ND
Dibromomethane	ug/L	--	ND
1,2-Dichlorobenzene	ug/L	600	ND
1,4-Dichlorobenzene	ug/L	75	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND
1,1-Dichloroethane	ug/L	--	ND
1,2-Dichloroethane	ug/L	5	ND
1,1-Dichloroethene	ug/L	7	ND
cis-1,2-Dichloroethene	ug/L	70	ND
trans-1,2-Dichloroethene	ug/L	100	ND
Methylene Chloride	ug/L	5	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND

Location ID: M-22
Number of Sampling Dates: 65

Parameter Name	Units	MCL	1/6/2026
1,2-Dichloropropane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	--	ND
cis-1,3-Dichloropropene	ug/L	--	ND
Ethylbenzene	ug/L	700	ND
2-Hexanone	ug/L	--	ND
Iodomethane	ug/l	--	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND
Styrene	ug/L	100	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND
Tetrachloroethene	ug/L	5	ND
Toluene	ug/L	1000	ND
1,1,1-Trichloroethane	ug/L	200	ND
1,1,2-Trichloroethane	ug/L	5	ND
Trichloroethene	ug/L	5	ND
Trichlorofluoromethane	ug/L	--	ND
1,2,3-Trichloropropane	ug/L	--	ND
Vinyl Acetate	ug/L	--	ND
Vinyl Chloride	ug/L	2	ND
o-Xylene	ug/L	10000	ND
m+p Xylenes	ug/L	10000	ND
Total Xylenes	ug/L	10000	ND
Bromodichloromethane	ug/L	80	ND
Dibromochloromethane	ug/L	80	ND
Bromoform	ug/L	80	ND
Chloroform	ug/L	80	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	5.95
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	6.2
Perfluorononanoic acid (PFNA)	ng/l	10	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	4.8
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	1.68

Historical Well Data Table I

Name: Northern Landfill

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	12/8/1998	12/9/1998	12/10/1998	12/11/1998	5/27/1999	5/23/2000	11/17/2000	12/13/2000
Acetone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	ND µg/L
1,2-Dichloropropane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Hexanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	12/8/1998	12/9/1998	12/10/1998	12/11/1998	5/27/1999	5/23/2000	11/17/2000	12/13/2000
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	6/8/2001	11/14/2001	6/14/2002	11/5/2002	6/17/2003	12/5/2003	6/25/2004	10/19/2004
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	6/8/2001	11/14/2001	6/14/2002	11/5/2002	6/17/2003	12/5/2003	6/25/2004	10/19/2004
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Toluene	ug/L	1000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	6/15/2005	11/2/2005	3/16/2006	9/12/2006	2/22/2007	8/15/2007	2/6/2008	8/4/2008
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-23									
Number of Sampling Dates:	59									
Parameter Name	**Units**	**MCL**	**6/15/2005**	**11/2/2005**	**3/16/2006**	**9/12/2006**	**2/22/2007**	**8/15/2007**	**2/6/2008**	**8/4/2008**
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	1.3	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/18/2009	8/19/2009	1/21/2010	9/7/2010	1/7/2011	8/1/2011	2/21/2012	8/22/2012
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	--	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/18/2009	8/19/2009	1/21/2010	9/7/2010	1/7/2011	8/1/2011	2/21/2012	8/22/2012
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/11/2013	8/29/2013	2/6/2014	8/6/2014	2/10/2015	8/18/2015	2/17/2016	8/3/2016
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/11/2013	8/29/2013	2/6/2014	8/6/2014	2/10/2015	8/18/2015	2/17/2016	8/3/2016
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/12/2017	7/19/2017	1/23/2018	7/11/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020
Acetone	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	5.4
Acrylonitrile	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND U	ND	ND	0.4 J	ND	0.47 J
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND U	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND U	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND U	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND U	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/12/2017	7/19/2017	1/23/2018	7/11/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020
1,1-Dichloroethene	ug/L	7	ND	ND	ND U	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND U	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	0.6 J
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND U	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND U	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND U	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND U	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND U	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND U	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND U	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND U	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND U	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND U	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND

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Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	2.05
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	ND U

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Parameter Name	Units	MCL	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	ND U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	1.64

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/3/2025	7/21/2025	1/6/2026
Acetone	ug/L	--	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/3/2025	7/21/2025	1/6/2026
Trichloroethene	ug/L	5	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	ND U	2.76	2.26
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	ND U	ND U	1.55
Perfluorononanoic acid (PFNA)	ng/l	10	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	ND U	ND U	0.644 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	ND U	2.64	2.5

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	12/8/1998	12/9/1998	12/10/1998	12/11/1998	5/27/1999	5/23/2000	11/17/2000	12/13/2000
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	0.003	ND	ND	ND	ND
Barium, total	mg/l	2	0.063	0.058	0.063	0.258	0.027	0.038	--	0.008
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	14.8	14.3	13.9	14.4	12.9	13.7	13.2	3.35
Chromium, total	mg/l	0.1	0.012	0.01	0.015	0.059	ND	0.008	ND	ND
Cobalt, total	mg/l	--	0.14	0.013	0.015	0.076	ND	0.012	0.01	ND
Copper, total	mg/l	1.3	0.03	0.027	0.038	0.16	0.016	0.03	0.027	0.003
Iron, total	mg/l	--	22	21	0.052	0.508	7.62	0.014	13.8	ND
Lead, total	mg/l	0.015	0.011	0.006	0.009	0.025	0.003	0.008	0.006	ND
Magnesium, total	mg/l	--	13.3	12.8	16.7	28.3	14.3	15.1	12.5	1.93
Manganese, total	mg/l	--	0.74	0.492	0.607	2.48	0.271	0.044	0.137	ND
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.033	0.019	0.023	0.111	0.033	0.045	0.022	ND
Potassium, total	mg/l	--	2.44	2.38	1.07	5.38	0.957	1.29	1.4	2.76
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	5.59	6.16	6.26	6.62	6.39	4.9	4.92	1.9
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	0.007	0.007	0.013	0.047	ND	0.006	ND	ND
Zinc, total	mg/l	--	0.107	0.072	0.091	0.304	0.049	0.079	0.053	0.028
Alkalinity, Total	mg/L	--	23	28	52	41	16	25	23	16
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	28	ND	ND
Chloride	mg/l	--	22.5	16.7	16.2	18.6	19.7	21.1	15.5	18.7
Hardness	mg/l	--	114	108	109	163	94	102	99.7	16.8
Nitrate/Nitrite-N	mg/L	10	17.4	15.5	15.5	17.2	13.8	13.6	10.4	1.63
pH	pH_Units	--	5.82 units	5.57 units	5.79 units	5.91 units	5.67 units	5.53 units	5.82 units	6.26 units
Specific Conductance	umhos/cm	--	181.2	179.3	175.9	188.6	226.3	205	192.1	46.3
Sulfate	mg/l	--	1.39	ND	ND	ND	11.8	ND	ND	4.4
Total Dissolved Solids	mg/L	--	159	146	142	180	150	161	148	35
Turbidity	NTU	--	620	400	360	820	230	511	550	2.2

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	6/8/2001	11/14/2001	6/14/2002	11/5/2002	6/17/2003	12/5/2003	6/25/2004	10/19/2004
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.039	0.03	0.014	0.013	0.018	0.019	0.018	0.012
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	16.8	15.3	13.3	15	11.1	11.4	15.2	17.4
Chromium, total	mg/l	0.1	ND	0.01	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	0.011	0.011	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.029	0.028	0.024	0.009	0.013	0.028	0.012	ND
Iron, total	mg/l	--	18.8	ND	5.98	2.21	2.35	ND	ND	0.797
Lead, total	mg/l	0.015	0.006	0.008	0.003	0.003	ND	0.008	0.003	ND
Magnesium, total	mg/l	--	16.3	15.7	13	14.6	12.8	12.1	12.4	14.8
Manganese, total	mg/l	--	0.483	0.344	0.132	0.136	0.022	0.026	0.144	0.07
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.036	0.03	0.04	ND	0.013	0.012	0.035	0.015
Potassium, total	mg/l	--	2.39	0.589	1.46	1	1.73	0.961	0.423	0.998
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	7.53	7.42	6.68	6.91	5.36	5.72	9.39	15.4
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	0.006	0.008	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.077	0.106	0.054	0.023	0.022	0.047	0.052	0.022
Alkalinity, Total	mg/L	--	21	29	23	25	19.7	23	20	21
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	6/8/2001	11/14/2001	6/14/2002	11/5/2002	6/17/2003	12/5/2003	6/25/2004	10/19/2004
Chemical Oxygen Demand (COD)	mg/L	--	40	ND	11	ND	ND	ND	ND	ND
Chloride	mg/l	--	29.9	25.5	25.9	24.6	17.6	17.8	31.4	43.1
Hardness	mg/l	--	112	106	93.7	100	82.3	82.5	88	107
Nitrate/Nitrite-N	mg/L	10	13.7	13.5	17	14.1	11.1	14.7	13.8	13.8
pH	pH_Units	--	5.62 units	5.8 units	5.92 units	12.2 units	6.58 units	2 units	5.67 units	5.42 units
Specific Conductance	umhos/cm	--	236.9	254.3	249.1	194	180.8	118.8	276.7	328.3
Sulfate	mg/l	--	ND	ND	3.45	ND	0.825	ND	0.76	ND
Total Dissolved Solids	mg/L	--	156	155	148	141	147	141	212	201
Turbidity	NTU	--	723	779	54	720	60	384	96	42

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	6/15/2005	11/2/2005	3/16/2006	9/12/2006	2/22/2007	8/15/2007	2/6/2008	8/4/2008
Antimony, total	mg/l	0.006	ND] mg/L	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND] mg/L	ND	ND	ND	ND	0.003	ND	ND
Barium, total	mg/l	2	0.011] mg/L	0.014	ND	0.016	0.012	0.019	0.009	0.03
Beryllium, total	mg/l	0.004	ND] mg/L	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	14.8	ND	ND
Calcium, total	mg/l	--	--	--	--	--	--	--	--	23.9
Chromium, total	mg/l	0.1	ND] mg/L	ND	ND	ND	ND	0.006	0.002	ND
Cobalt, total	mg/l	--	ND] mg/L	ND	ND	ND	ND	0.005	ND	0.006
Copper, total	mg/l	1.3	ND] mg/L	0.011	ND	0.008	ND	0.02	ND	ND
Iron, total	mg/l	--	0.076] mg/L	0.011	0.49	2.73	1.81	8.23	0.177	ND
Lead, total	mg/l	0.015	ND] mg/L	0.002	ND	0.002	ND	0.004	ND	ND
Magnesium, total	mg/l	--	13.3	13.5	12.3	12.2	12.9	12.7	--	16.5
Manganese, total	mg/l	--	0.014] mg/L	0.007	0.028	0.085	0.082	0.213	0.02	1.06
Mercury, Total	mg/L	0.002	ND] mg/L	ND	ND	ND	ND	ND	ND	0.0003
Nickel, total	mg/l	--	0.018] mg/L	0.015	0.017	--	--	--	0.011	0.014
Potassium, total	mg/l	--	1.16	1.08	1.17	--	--	--	--	1.52
Selenium, total	mg/l	0.05	ND] mg/L	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND] mg/L	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	11.3	11.1	8.85	--	--	--	--	18.4
Thallium, total	mg/l	0.002	ND] mg/L	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND] mg/L	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.016] mg/L	0.047	0.021	0.089	0.036	0.08	0.015	0.022
Alkalinity, Total	mg/L	--	21 mg/L as CaCO3	23 mg/L as CaCO3	20 mg/L as CaCO3	22 mg/L as CaCO3	20 mg/L as CaCO3	23 mg/L as CaCO3	23 mg/L as CaCO3	22 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	35.4	36.6	32.2	35.2	29.9	34.7	22.2	36.6
Hardness	mg/l	--	95] mg/L	97.8	82.5	85.4	88.3	89.3	88.1 mg/L as CaCO3	128 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	13.7 mg/L as N	12.9 mg/L as N	--	--	--	--	11.4	7.11
pH	pH_Units	--	--	--	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	--	--	--	288 umhos at 25C	--	--	--	--
Sulfate	mg/l	--	0.75	0.71	0.86	ND	ND	0.62	16.1	ND
Total Dissolved Solids	mg/L	--	174	164	170	215	145	155	187	199
Turbidity	NTU	--	10	7.2	33.3	56	47	138	--	--

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/18/2009	8/19/2009	1/21/2010	9/7/2010	1/7/2011	8/1/2011	2/21/2012	8/22/2012
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	ND	0.008	0.005	0.01	0.008	0.008	0.01	0.0089
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	8.65	15.8	10.1	14.5	16	15.4	15.7	14.9
Chromium, total	mg/l	0.1	ND	ND	0.006	0.022	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.068	0.216	0.805	0.098	0.227	0.327	0.367
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	8.64	13.2	11.4	12.9	14.7	14.3	15.6	13.9
Manganese, total	mg/l	--	0.015	0.013	0.014	0.045	0.009	0.015	0.015	0.02
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/18/2009	8/19/2009	1/21/2010	9/7/2010	1/7/2011	8/1/2011	2/21/2012	8/22/2012
Nickel, total	mg/l	--	0.008	0.015	0.013	0.029	0.015	0.016	0.02	0.0155
Potassium, total	mg/l	--	0.646	1.13	0.86	1.15	1.29	1.4	1.31	1.16
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	5.44	16.9	7.85	21.7	20.7	21.8	23.6	26.6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.019	0.015	0.016	0.017	0.017	0.014	0.018	0.0247
Alkalinity, Total	mg/L	--	25 mg/L as CaCO3	26.6 mg/L as CaCO3	16 mg/L as CaCO3	23 mg/L as CaCO3	24.2 mg/L as CaCO3	25 mg/L as CaCO3	22 mg/L as CaCO3	26.4
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	28.2	54.2	26.5	55.7	56.7	60.9	65.4	65.6
Hardness	mg/l	--	57.2 mg/L as CaCO3	93.9 mg/L as CaCO3	72.1 mg/L as CaCO3	89.3 mg/L as CaCO3	101 mg/L as CaCO3	97.4 mg/L as CaCO3	103 mg/L as CaCO3	94.4
Nitrate/Nitrite-N	mg/L	10	14.3	9.88	11.4	14.3	10.8	12.2	12.5	10.1
pH	pH_Units	--	--	--	--	5.48 pH Units	5.53 pH Units	6.09 pH Units	6.32 pH Units	5.9 units
Specific Conductance	umhos/cm	--	--	--	--	396 umhos @ 25°C	358 umhos @ 25°C	380 umhos @ 25°C	403 umhos @ 25°C	382 umhos
Sulfate	mg/l	--	ND	0.61	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	160	222	126	208	191	200	192	207
Turbidity	NTU	--	--	--	--	5.9	1.61	1.7	1.9	4.25

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/11/2013	8/29/2013	2/6/2014	8/6/2014	2/10/2015	8/18/2015	2/17/2016	8/3/2016
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0056	0.0084	0.0094	0.0127	0.0117	0.0109	0.0071	0.0082
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	12.6	14.9	14.7	14.3	17.2	16.7	12.6	13.7
Chromium, total	mg/l	0.1	ND	ND	ND	0.0124	0.0084	0.013	0.0059	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	0.005	ND	0.0209	ND
Iron, total	mg/l	--	0.0527	0.161	0.391	0.129	0.413	0.118	0.0865	0.241
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	13.4	13.1	12.7	13.2	15	15.2	13.4	12.4
Manganese, total	mg/l	--	0.0039	0.0153	0.0218	0.0188	0.0343	0.0138	0.0236	0.0206
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0089	0.0159	0.0154	0.0218	0.0202	0.0227	0.0171	0.0155
Potassium, total	mg/l	--	0.951	1.21	1.14	1.19	1.55	1.43	1.34	1.35
Selenium, total	mg/l	0.05	ND	ND	ND	ND	0.0024	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	13.6	28.2	17.5	32.2	33.3	40.6	21.2	41.7
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0175	0.0264	0.0259	0.0241	0.0266	0.0176	0.0099	ND
Alkalinity, Total	mg/L	--	22	26.9	24.7	33	28.1	26.6	19.2	26.3
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	37.2	64.5	59.6	79.3	86.7	91.6	52.5	86.6
Hardness	mg/l	--	86.6	91.2	89	90.1	42.9	104	86.7	85.3
Nitrate/Nitrite-N	mg/L	10	12.1	9.75	ND	9	9.31	9.07	9.81	8.12
pH	pH_Units	--	5.94 units	6.3 units	5.89 units	5.65 units	5.64 units	5.5 units	7.31 units	6.12 units
Specific Conductance	umhos/cm	--	336 umhos	384 umhos	394 umhos	429 umhos	350 umhos	477	330	413
Sulfate	mg/l	--	ND	ND	ND	ND	ND	ND	ND	0.972 J
Total Dissolved Solids	mg/L	--	130	192	160	238	215	226	144	244
Turbidity	NTU	--	0.422	3.67	3.67	1.56	6.57	1.31	1.63	3.41

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/12/2017	7/19/2017	1/23/2018	7/11/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020
Antimony, total	mg/l	0.006	ND	ND	ND U	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND U	0.0011 J	ND	ND	ND	ND
Barium, total	mg/l	2	0.011	0.0117	0.0066	0.02	0.01	0.012	0.0072	0.01
Beryllium, total	mg/l	0.004	ND	ND	ND U	ND	ND	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	1/12/2017	7/19/2017	1/23/2018	7/11/2018	2/13/2019	8/16/2019	3/17/2020	8/25/2020
Cadmium, total	mg/l	0.005	ND	ND	ND U	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	16	16.2	13.9	13.5	9	11	14.1	11.8
Chromium, total	mg/l	0.1	ND	0.0467	0.022	0.055	0.00082 J	0.0012 J	ND	0.0021 J
Cobalt, total	mg/l	--	ND	ND	ND U	0.0052 J	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	0.003 J	0.013	0.002 J	ND	ND	0.0023 J
Iron, total	mg/l	--	0.244	0.75	0.3	1.4	0.053 J	0.051 J	0.085	0.53
Lead, total	mg/l	0.015	ND	ND	ND U	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	14.6	14.6	13.2	14.6	11.7	11.9	14.5	12.5
Manganese, total	mg/l	--	0.0383	0.0338	0.019	0.031	0.015	0.014	0.0076	0.062
Mercury, Total	mg/L	0.002	ND	ND	ND U	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0172	0.0378	0.021	0.11	0.015	0.016	0.01	0.015
Potassium, total	mg/l	--	1.38	1.37	1.3	1.4	1.3	1.4	1.2	1.3
Selenium, total	mg/l	0.05	ND	ND	ND U	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND U	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	39.7	43.7	35.7	38.2	38.1	46.7	34.9	47
Thallium, total	mg/l	0.002	ND	ND	ND U	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND U	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	0.0073	0.023	0.017	0.018	0.012	0.012
Alkalinity, Total	mg/L	--	27.4	30.2	42	33	27	32	39	32
Ammonia-N, Low Level	mg/L	--	ND	ND	ND U	0.194	0.119	ND	ND	0.02 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	9	ND	14 J	ND	ND	40
Chloride	mg/l	--	91.6	96.1	84	96	76.4	87.5	70.9	90.6
Hardness	mg/l	--	100	101	89.1	93.8	70.6	76.6	95.1	81.1
Nitrate/Nitrite-N	mg/L	10	8.86	7.72	7.1	10.2	9.1	7	7.3	7.1
pH	pH_Units	--	5.4 units	6.47 units	6.17	6.13	6.47	6.49	6	5.89
Specific Conductance	umhos/cm	--	454	458	375	469 mg/L	412	430	412	418
Sulfate	mg/l	--	1.24	1.1	1.4 J	ND	ND	0.66 J	ND	1.2 J
Total Dissolved Solids	mg/L	--	241	262	175	243	259	252	310	272
Turbidity	NTU	--	12.9	5.79	4.06	7.63	0.6	0.73	1.33	14

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.011	0.0092	0.0099	0.0093	0.0075	0.0099	0.0069	0.0062
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	13.9	13.4	14.2	13.1	11.8	14.8	12.4	11.8
Chromium, total	mg/l	0.1	ND	ND	ND	ND	0.0012 J	0.0015 J	0.00079 J	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	0.0053 J	0.0028 J	ND	ND	ND	ND	ND
Iron, total	mg/l	--	0.044 J	0.14	0.23	0.046 J	ND	0.1	0.043 J	0.032 J
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	16.1	13.3	13.9	12.2	13.5	13.8	14.6	13.3
Manganese, total	mg/l	--	0.0088	0.01	0.014	0.015	0.0063	0.027	0.017	0.015
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.014	0.015	0.015	0.012	0.012	0.013	0.011	0.0087
Potassium, total	mg/l	--	1.6	1.2	1.4	1.3	1.3	1.3	1.5	1.2
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	45.9	48.7	57.6	48.2	32.6	53.8	41.1	32.6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.016	0.017	0.016	0.011	0.01	0.011	0.0092	0.0078
Alkalinity, Total	mg/L	--	27	39	35	38	22	41	27	39
Ammonia-N, Low Level	mg/L	--	0.06 J	0.03 J	0.04 J	0.01 J	ND	ND	0.06 J	0.01 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	5 J	5 J	ND	ND
Chloride	mg/l	--	103	106	117	92.5	65.4	118	87.6	69.8
Hardness	mg/l	--	101	88.3	92.8	83	84.9	93.9	91.3	84.4
Nitrate/Nitrite-N	mg/L	10	8.2	7.7	6.8	5.75	7.6	5.5	8.8	8.7
pH	pH_Units	--	6.34	6.3	7.09	7.72	7.35	7.19	7.26	7.35
Specific Conductance	umhos/cm	--	447	435	544	436	366	507	404	358
Sulfate	mg/l	--	0.78 J	1.2 J	ND	3.6	ND	ND	ND	ND

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	3/16/2021	7/26/2021	3/2/2022	9/21/2022	3/9/2023	7/24/2023	1/23/2024	8/26/2024
Total Dissolved Solids	mg/L	--	252	264	290	200	198	302	218	146
Turbidity	NTU	--	0.47	0.85	9.98	1.6	0.7	6.1	1.4	0.55

Location ID: M-23
Number of Sampling Dates: 59

Parameter Name	Units	MCL	2/3/2025	7/21/2025	1/6/2026
Antimony, total	mg/l	0.006	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND
Barium, total	mg/l	2	0.013	0.012	0.0057
Beryllium, total	mg/l	0.004	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND
Calcium, total	mg/l	--	14.1	14.3	14
Chromium, total	mg/l	0.1	0.008	ND	0.0018 J
Cobalt, total	mg/l	--	ND	ND	ND
Copper, total	mg/l	1.3	0.0055 J	ND	ND
Iron, total	mg/l	--	1.3	0.15	0.12
Lead, total	mg/l	0.015	ND	ND	ND
Magnesium, total	mg/l	--	13.2	15.6	13.8
Manganese, total	mg/l	--	0.28	0.026	0.025
Mercury, Total	mg/L	0.002	0.00019 J	ND	ND
Nickel, total	mg/l	--	0.018	0.015	0.011
Potassium, total	mg/l	--	1.4	1.5	1.4
Selenium, total	mg/l	0.05	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND
Sodium, Total	mg/L	--	51.2	60.4	49.9
Thallium, total	mg/l	0.002	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND
Zinc, total	mg/l	--	0.015	0.014	0.0086
Alkalinity, Total	mg/L	--	46	34	39
Ammonia-N, Low Level	mg/L	--	0.02 J	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND
Chloride	mg/l	--	97.4	127	99.9
Hardness	mg/l	--	89.7	95.9	84.8
Nitrate/Nitrite-N	mg/L	10	6.2	7.1	6.2
pH	pH_Units	--	7.76	7.14	7.14
Specific Conductance	umhos/cm	--	442	550	464
Sulfate	mg/l	--	1.8 J	ND	1.7
Total Dissolved Solids	mg/L	--	175	316	268
Turbidity	NTU	--	23	3.7	6.2

Historical Well Data Table I

Name: Northern Landfill

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	12/8/1998	12/9/1998	12/10/1998	12/11/1998	5/25/1999	6/30/2000	11/17/2000	12/15/2000
Acetone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Acrylonitrile	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Benzene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromochloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
2-Butanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Disulfide	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Carbon Tetrachloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chlorobenzene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	--
Dibromomethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichlorobenzene	ug/L	600	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,4-Dichlorobenzene	ug/L	75	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,4-Dichloro-2-butene	ug/L	--	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2-Dichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1-Dichloroethene	ug/L	7	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methylene Chloride	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Methyl t-Butyl Ether (MTBE)	ug/L	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Ethylbenzene	ug/L	700	ND µg/L	--	--	--	ND µg/L	0.8 µg/L	ND µg/L	0.8 µg/L
2-Hexanone	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Iodomethane	ug/l	--	--	--	--	--	--	ND µg/L	ND µg/L	ND µg/L
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Styrene	ug/L	100	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Tetrachloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Toluene	ug/L	1000	ND µg/L	--	--	--	ND µg/L	3.1 µg/L	ND µg/L	3.1 µg/L
1,1,1-Trichloroethane	ug/L	200	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,1,2-Trichloroethane	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichloroethene	ug/L	5	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Trichlorofluoromethane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
1,2,3-Trichloropropane	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Acetate	ug/L	--	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Vinyl Chloride	ug/L	2	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	12/8/1998	12/9/1998	12/10/1998	12/11/1998	5/25/1999	6/30/2000	11/17/2000	12/15/2000
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	--	--	--	ND µg/L	4 µg/L	ND µg/L	4 µg/L
Bromodichloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Dibromochloromethane	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Bromoform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Chloroform	ug/L	80	ND µg/L	--	--	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	6/8/2001	11/16/2001	6/13/2002	11/8/2002	6/20/2003	12/3/2003	6/25/2004	10/22/2004
Acetone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Acrylonitrile	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Benzene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Bromochloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Bromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
2-Butanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Carbon Disulfide	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Carbon Tetrachloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chlorobenzene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chloromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dibromoethane	ug/L	0.05	--	--	--	--	--	--	--	ND
Dibromomethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dichlorobenzene	ug/L	600	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,4-Dichlorobenzene	ug/L	75	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1-Dichloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2-Dichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1-Dichloroethene	ug/L	7	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
cis-1,2-Dichloroethene	ug/L	70	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
trans-1,2-Dichloroethene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Methylene Chloride	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
trans-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
cis-1,3-Dichloropropene	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Ethylbenzene	ug/L	700	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
2-Hexanone	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	6/8/2001	11/16/2001	6/13/2002	11/8/2002	6/20/2003	12/3/2003	6/25/2004	10/22/2004
Iodomethane	ug/l	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Styrene	ug/L	100	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Tetrachloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Toluene	ug/L	1000	ND µg/L	0.8 µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,1-Trichloroethane	ug/L	200	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,1,2-Trichloroethane	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Trichloroethene	ug/L	5	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Trichlorofluoromethane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
1,2,3-Trichloropropane	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Vinyl Acetate	ug/L	--	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Vinyl Chloride	ug/L	2	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	--
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	--
Total Xylenes	ug/L	10000	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Bromodichloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Dibromochloromethane	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Bromoform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Chloroform	ug/L	80	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND µg/L	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	7/19/2005	11/2/2005	3/17/2006	9/12/2006	8/15/2007	2/7/2008	8/5/2008	2/17/2009
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND

Location ID:	M-24D									
Number of Sampling Dates:	60									
Parameter Name	**Units**	**MCL**	**7/19/2005**	**11/2/2005**	**3/17/2006**	**9/12/2006**	**8/15/2007**	**2/7/2008**	**8/5/2008**	**2/17/2009**
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	--	--	--	--	--	--	--	ND
m+p Xylenes	ug/L	10000	--	--	--	--	--	--	--	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	--
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/18/2009	1/21/2010	9/8/2010	1/6/2011	7/27/2011	2/23/2012	8/21/2012	1/9/2013
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	ND	ND	ND	ND	1.1	1	ND	1.3
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	1.31
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	--	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/18/2009	1/21/2010	9/8/2010	1/6/2011	7/27/2011	2/23/2012	8/21/2012	1/9/2013
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/29/2013	2/7/2014	8/6/2014	2/11/2015	8/18/2015	11/3/2015	2/19/2016	3/31/2016
Acetone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Carbon Disulfide	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND U
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Chloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND U	ND U
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND U	ND U
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND U	ND U
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND U	ND U
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
1,1-Dichloroethane	ug/L	--	1.29	1.57	1.59	1.44	1.5	1.45	2	2
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND U	ND U
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND U	ND U
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND U
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
Methyl t-Butyl Ether (MTBE)	ug/L	--	1.26	1.78	1.75	1.53	1.68	1.45	2	2
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND U	ND U
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Iodomethane	ug/l	--	ND	ND	ND	ND	ND	ND	ND U	ND U
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND U	ND U
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/29/2013	2/7/2014	8/6/2014	2/11/2015	8/18/2015	11/3/2015	2/19/2016	3/31/2016
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND U	ND U
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND U	ND U
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND U	ND U
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND U	ND U
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	--	ND U
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND U	ND U
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND U
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND U
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND U	ND U
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND U
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND U
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND U
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND U	ND U
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/3/2016	1/11/2017	7/18/2017	1/26/2018	7/13/2018	2/14/2019	8/14/2019	3/19/2020
Acetone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	5.7
Acrylonitrile	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	0.41 J
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	0.31 J	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND U	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND U	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND U	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	1.7	1.6	1.7	1.9	1.7	1.9	2.2	2.2
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/3/2016	1/11/2017	7/18/2017	1/26/2018	7/13/2018	2/14/2019	8/14/2019	3/19/2020
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND U	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	0.45 J	0.48 J	0.6 J	0.85 J	0.6 J
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	ND	2	ND	1.8	2	2.2	2.6	2.3
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND U	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND U	ND	ND	ND	0.65 J
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND U	ND	ND	0.38 J	0.35 J
Toluene	ug/L	1000	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND U	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND U	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND U	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND U	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	0.55 J	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND U	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022	3/7/2023	7/20/2023	1/24/2024
Acetone	ug/L	--	ND	3.9 J	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND	ND	0.42 J	ND	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022	3/7/2023	7/20/2023	1/24/2024
2-Butanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	0.35 J	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND	0.39 J	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	2.2	2	2	2.2	2	2.1	1.2	2.2
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	0.55 J	0.61 J	0.67 J	0.59 J	0.66 J	0.59 J	0.58 J	0.64 J
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	0.65 J	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	2.3	2.8	2.6	2.9	2.8	3.1	3.2	3.2
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	0.49 J	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	0.35 J	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	--	--	--	--	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022	3/7/2023	7/20/2023	1/24/2024
Perfluorononanoic acid (PFNA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	--	--	--	--	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	--	--	--	--	--	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/29/2024	2/5/2025	7/24/2025	1/8/2026
Acetone	ug/L	--	ND	ND	ND	ND
Acrylonitrile	ug/L	--	ND	ND	ND	ND
Benzene	ug/L	5	ND	0.29 J	ND	ND
Bromochloromethane	ug/L	--	ND	ND	ND	ND
Bromomethane	ug/L	--	ND	ND	ND	ND
2-Butanone	ug/L	--	ND	ND	ND	ND
Carbon Disulfide	ug/L	--	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND
Chloroethane	ug/L	--	ND	ND	ND	ND
Chloromethane	ug/L	--	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND
Dibromomethane	ug/L	--	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	--	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	--	2.2	2.2	2.2	2
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	0.6 J	0.6 J	0.67 J	0.61 J
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	--	3.3	3.4	3.5	3.1
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	--	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND
2-Hexanone	ug/L	--	ND	ND	ND	ND
Iodomethane	ug/l	--	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	--	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	--	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	0.39 J	ND
Toluene	ug/L	1000	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/29/2024	2/5/2025	7/24/2025	1/8/2026
Trichloroethene	ug/L	5	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	--	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	--	ND	ND	ND	ND
Vinyl Acetate	ug/L	--	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	17.3	20.9	23.1	23.1
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	4.26	4.66	4.6	4.21
Perfluorononanoic acid (PFNA)	ng/l	10	ND U	ND U	ND U	1.04
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	8.31	8.07	8.58	6.54
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	--	4.48	4.24	4.69	3.92

Historical Well Data Table II

Name: Northern Landfill

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	12/8/1998	12/9/1998	12/10/1998	12/11/1998	5/25/1999	6/30/2000	11/17/2000	12/15/2000
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.016	0.016	0.012	0.009	0.012	0.012	0.009	0.051
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	3.44	3.42	3.1	2.89	3.54	3.21	3.42	15.8
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	0.016
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	0.022
Copper, total	mg/l	1.3	0.007	0.003	ND	0.003	0.004	0.009	0.003	0.044
Iron, total	mg/l	--	0.473	0.266	0.219	0.012	0.146	ND	ND	36.1
Lead, total	mg/l	0.015	0.029	0.019	0.015	0.011	0.003	0.003	ND	0.011
Magnesium, total	mg/l	--	1.75	1.78	1.76	1.69	1.99	1.8	1.78	18
Manganese, total	mg/l	--	0.022	0.022	0.019	0.018	0.007	0.011	0.015	0.023
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	0.042
Potassium, total	mg/l	--	2.56	2.37	1.75	1.38	6.55	4.66	3.23	0.734
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.2	2.34	1.96	1.8	2.84	2.64	2.21	6.73
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.038	0.05	0.025	0.021	0.056	0.044	0.039	0.111
Alkalinity, Total	mg/L	--	31	21	15	9	17	12	11	20
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	19	ND	ND
Chloride	mg/l	--	3.35	5.02	4.9	3.09	2.32	3.69	4.57	24
Hardness	mg/l	--	135	18	15	15	18	17.1	17.5	118
Nitrate/Nitrite-N	mg/L	10	2.46	2.47	3.04	2.45	1.72	2.82	2.7	12.6
pH	pH_Units	--	5.83 units	5.77 units	5.84 units	5.66 units	6.43 units	6.9 units	6.13 units	5.69 units
Specific Conductance	umhos/cm	--	47.7	44.6	41.4	39.2	59.8	49	58	203.3
Sulfate	mg/l	--	0.869	2.94	1.64	ND	ND	1.12	1.36	ND
Total Dissolved Solids	mg/L	--	43	51	47	30	40	ND	41	37
Turbidity	NTU	--	8.5	5.7	5.3	3.7	4.6	1.7	1.8	531

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	6/8/2001	11/16/2001	6/13/2002	11/8/2002	6/20/2003	12/3/2003	6/25/2004	10/22/2004
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	0.002	ND	ND	ND
Barium, total	mg/l	2	0.015	0.011	0.011	0.009	0.013	0.009	0.011	0.013
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	3.43	3.52	3.76	3.52	3.97	3.8	4.37	4.56
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.006	0.008	0.012	0.01	0.01	ND	0.01	0.012
Iron, total	mg/l	--	0.412	0.142	0.217	0.048	ND	ND	0.049	0.131
Lead, total	mg/l	0.015	ND	0.002	0.003	ND	0.002	ND	ND	ND
Magnesium, total	mg/l	--	2.18	2.01	2.12	2.02	2.24	2.25	2.52	2.51
Manganese, total	mg/l	--	0.016	0.006	ND	0.007	0.015	ND	0.009	0.013
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	5.91	3.23	3.17	3.42	3.16	3.15	3.71	4.31
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.37	2.75	2.73	2.11	2.31	2.1	2.42	2.47
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.027	0.041	0.038	0.033	0.064	0.024	0.044	0.031
Alkalinity, Total	mg/L	--	18	10	12	9	12	10	11	12
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	6/8/2001	11/16/2001	6/13/2002	11/8/2002	6/20/2003	12/3/2003	6/25/2004	10/22/2004
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	67	ND	ND	ND	ND	ND
Chloride	mg/l	--	4.29	3.42	4.35	3.9	3.79	3.98	77.2	4.92
Hardness	mg/l	--	19.2	18.6	18.7	17.7	20.8	18.3	23.6	23
Nitrate/Nitrite-N	mg/L	10	ND	2.6	2.5	2.67	2.62	2.58	4.49	2.64
pH	pH_Units	--	6.31 units	6.09 units	6.04 units	5.47 units	5.97 units	6.6 units	6.25 units	6.63 units
Specific Conductance	umhos/cm	--	59.4	59.5	58.4	67.8	58.9	63.7	82.9	78.6
Sulfate	mg/l	--	ND	ND	ND	ND	0.953	ND	24.1	0.66
Total Dissolved Solids	mg/L	--	35	32	32	42	42	58	47	26
Turbidity	NTU	--	5.4	1.2	3.8	2.2	3.5	0.9	2	2.5

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	7/19/2005	11/2/2005	3/17/2006	9/12/2006	8/15/2007	2/7/2008	8/5/2008	2/17/2009
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	0.004	ND	ND	ND
Barium, total	mg/l	2	0.01	0.012	0.01	0.012	0.014	0.009	0.009	0.01
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	--	--	--	--	--	--	5.21	5.47
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.007	0.004	ND	ND	0.009	ND	ND	ND
Iron, total	mg/l	--	ND	0.052	0.072	0.169	0.345	ND	0.089	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	2.24	2.44	2.52	2.69	2.84	--	3.27	3.5
Manganese, total	mg/l	--	0.005	0.007	ND	0.009	0.02	ND	ND	0.004
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	0.0003
Nickel, total	mg/l	--	ND	ND	ND	--	--	ND	0.002	ND
Potassium, total	mg/l	--	2.23	2.99	2.85	--	--	--	0.837	0.798
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	4.63	2.39	2.34	--	--	--	2.5	2.77
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.029	0.021	0.021	0.021	0.031	0.009	0.016	0.017
Alkalinity, Total	mg/L	--	15 mg/L as CaCO3	13 mg/L as CaCO3	15 mg/L as CaCO3	14 mg/L as CaCO3	16 mg/L as CaCO3	6.6 mg/L as CaCO3	9.6 mg/L as CaCO3	9.9 mg/L as CaCO3
Ammonia-N, Low Level	mg/L	--	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND mg/L as N	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	11	ND	ND	ND
Chloride	mg/l	--	5.51	6.3	5.87	7.34	8.84	8.77	10.3	12.1
Hardness	mg/l	--	19.8	15.5	22.4	23.6	26.5	23.5 mg/L as CaCO3	26.5 mg/L as CaCO3	28.1 mg/L as CaCO3
Nitrate/Nitrite-N	mg/L	10	2.6 mg/L as N	2.75 mg/L as N	--	--	--	ND	2.94	0.72
pH	pH_Units	--	--	--	--	--	--	--	--	--
Specific Conductance	umhos/cm	--	--	--	--	84 umhos at 25C	--	--	--	--
Sulfate	mg/l	--	0.56	0.71	0.68	ND	0.7	ND	ND	ND
Total Dissolved Solids	mg/L	--	71	36	56	57	66	30	43	66
Turbidity	NTU	--	1.8	1.1	2	7	5	--	--	--

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/18/2009	1/21/2010	9/8/2010	1/6/2011	7/27/2011	2/23/2012	8/21/2012	1/9/2013
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.009	0.011	0.011	0.013	0.013	0.013	0.0133	0.0126
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	5.63	6.75	6.51	7.67	8.28	8.44	8.08	8.38
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	ND	0.098	ND	0.082	0.225	ND	0.194	0.0629
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	3.25	3.97	3.93	4.71	5	5.15	5.3	5.35
Manganese, total	mg/l	--	ND	0.007	0.003	0.019	0.009	0.004	0.0305	0.0058
Mercury, Total	mg/L	0.002	0.0007	0.0008	0.0007	0.0007	0.0008	0.001	0.001	0.0013

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/18/2009	1/21/2010	9/8/2010	1/6/2011	7/27/2011	2/23/2012	8/21/2012	1/9/2013
Nickel, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Potassium, total	mg/l	--	0.81	0.683	0.755	0.994	1.08	0.973	0.975	0.852
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	2.52	3.11	3.6	4.03	4.2	4.29	4.58	4.53
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.018	0.009	0.01	0.011	0.012	0.011	0.0264	0.0222
Alkalinity, Total	mg/L	--	10.4 mg/L as CaCO3	11 mg/L as CaCO3	10 mg/L as CaCO3	12 mg/L as CaCO3	12 mg/L as CaCO3	12 mg/L as CaCO3	12.9	13.1
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	14	ND	ND
Chloride	mg/l	--	12.6	14.1	15.3	16.1	17.5	18.6	20.3	20.7
Hardness	mg/l	--	27.5 mg/L as CaCO3	33.2 mg/L as CaCO3	32.5 mg/L as CaCO3	38.6 mg/L as CaCO3	21.6 mg/L as CaCO3	42.2 mg/L as CaCO3	42	43
Nitrate/Nitrite-N	mg/L	10	0.93	3.27	3.82	3.56	3.18	3.51	3.57	3.01
pH	pH_Units	--	--	--	5.53 pH Units	5.45 pH Units	6.08 pH Units	5.97 pH Units	5.71 units	5.69 units
Specific Conductance	umhos/cm	--	--	--	148 umhos @ 25°C	125 umhos @ 25°C	138 umhos @ 25°C	129 umhos @ 25°C	130.8 umhos	188.2 umhos
Sulfate	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	75	66	82	57	73	82	84	53
Turbidity	NTU	--	--	--	1.5	2.2	2.9	1.5	0.744	0.156

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/29/2013	2/7/2014	8/6/2014	2/11/2015	8/18/2015	11/3/2015	2/19/2016	3/31/2016
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND U
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	0.00028 B	ND U
Barium, total	mg/l	2	0.0137	0.0148	0.0156	0.016	0.0163	0.0172	0.0177	0.0174
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND U
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	0.000104 B	ND U
Calcium, total	mg/l	--	8.92	8.69	9.39	10.4	10.8	12	11.9	10.9
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	0.000529 B	ND U
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	0.000253 B	ND U
Copper, total	mg/l	1.3	ND	ND	ND	ND	ND	ND	0.0055	ND U
Iron, total	mg/l	--	0.0923	ND	0.151	0.163	0.283	0.395	0.258	ND U
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND U
Magnesium, total	mg/l	--	5.69	6	6.11	6.21	6.91	6.87	7.51	7.12
Manganese, total	mg/l	--	0.0173	0.0254	0.104	0.0917	0.0968	0.1	0.145	0.176
Mercury, Total	mg/L	0.002	0.0014	0.0016	0.0017	0.0018	0.002	0.002	0.0021	0.0021
Nickel, total	mg/l	--	ND	ND	0.0053	0.0062	0.0086	0.0093	0.0098	0.0098
Potassium, total	mg/l	--	0.977	0.944	0.968	1.19	1.18	1.18	1.17	1.12
Selenium, total	mg/l	0.05	ND	ND	ND	0.0022	ND	ND	ND	ND U
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND U
Sodium, Total	mg/L	--	5.09	5.22	5.37	5.58	6.26	6.49	6.99	6.8
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	0.000288 B	ND U
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND U
Zinc, total	mg/l	--	0.0287	0.0233	0.0259	0.0207	0.0232	0.0236	0.0257	ND U
Alkalinity, Total	mg/L	--	14.6	15.3	22	17.2	14.6	15.2	15.7	16.5
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/l	--	23.6	24	25.5	27	29.8	31.5	31.2	32
Hardness	mg/l	--	45.7	46.4	48.6	25.9	55.4	58.3	60.5	56.5
Nitrate/Nitrite-N	mg/L	10	2.97	2.83	2.86	2.81	2.96	2.89	3.86	2.71
pH	pH_Units	--	6.13 units	5.84 units	5.51 units	5.57 units	5.42 units	5.47	5.79 units	6.82 units
Specific Conductance	umhos/cm	--	147.1 umhos	169.3 umhos	185.4 umhos	155.1 umhos	177	197	203	198
Sulfate	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	92	89	90	69	109	87	111	113
Turbidity	NTU	--	3.99	1.26	3.29	2.12	3.37	3.82	3.89	3.3

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/3/2016	1/11/2017	7/18/2017	1/26/2018	7/13/2018	2/14/2019	8/14/2019	3/19/2020
Antimony, total	mg/l	0.006	ND	ND	ND	ND U	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND U	ND	ND	ND	ND
Barium, total	mg/l	2	0.0161	0.0174	0.0164	0.018	0.02	0.021	0.02	0.02
Beryllium, total	mg/l	0.004	ND	ND	ND	ND U	ND	ND	ND	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/3/2016	1/11/2017	7/18/2017	1/26/2018	7/13/2018	2/14/2019	8/14/2019	3/19/2020
Cadmium, total	mg/l	0.005	ND	ND	ND	ND U	ND	ND	ND	ND
Calcium, total	mg/l	--	11.2	11.4	11.5	11.5	10.6	10.4	12.7	12.7
Chromium, total	mg/l	0.1	ND	ND	ND	0.00084 J	0.00092 J	0.001 J	0.0016 J	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND U	ND	ND	ND	ND
Copper, total	mg/l	1.3	ND	ND	ND	0.0041 J	0.0051 J	0.004 J	0.0037 J	0.0028 J
Iron, total	mg/l	--	ND	ND	ND	0.14	0.18	0.12	0.047 J	0.031 J
Lead, total	mg/l	0.015	ND	ND	ND	ND U	ND	ND	ND	ND
Magnesium, total	mg/l	--	7.07	7.09	7.38	7.3	7	7.2	9.1	8.1
Manganese, total	mg/l	--	0.0786	0.159	0.0974	0.19	0.088	0.088	0.11	0.1
Mercury, Total	mg/L	0.002	0.002	0.002	0.0021	0.0022	0.0023	0.0027	0.0034	0.0022
Nickel, total	mg/l	--	0.0098	0.0096	0.0109	0.011	0.011	0.0087	0.011	0.01
Potassium, total	mg/l	--	1.15	1.11	1.21	1.3	1.2	1.1	1.3	1.3
Selenium, total	mg/l	0.05	ND	ND	ND	ND U	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND U	ND	ND	ND	ND
Sodium, Total	mg/L	--	6.85	6.63	7.21	7.1	7.3	7.2	9.1	8.4
Thallium, total	mg/l	0.002	ND	ND	ND	ND U	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND U	ND	ND	ND	ND
Zinc, total	mg/l	--	ND	ND	ND	0.023	0.026	0.027	0.028	0.026
Alkalinity, Total	mg/L	--	16.8	15.5	15.9	24	27	26	21	23
Ammonia-N, Low Level	mg/L	--	ND	ND	ND	0.034 J	3.72	0.385	ND	ND
Chemical Oxygen Demand (COD)	mg/L	--	6 J	ND	ND	ND U	ND	10 J	ND	ND
Chloride	mg/l	--	33	33	35.1	36.7	39.2	40.7	40	40.5
Hardness	mg/l	--	57	57.7	59.2	58.6	55.3	55.8	69.2	65
Nitrate/Nitrite-N	mg/L	10	2.74	2.62	2.58	2.6	2.4	2.6	2.2	2.2
pH	pH_Units	--	5.5 units	5.29 units	6 units	6.42	6.18	6.16	6.79	6.85
Specific Conductance	umhos/cm	--	180	185	174	164	184	183	187	210
Sulfate	mg/l	--	0.727 J	ND	ND	0.46 J	ND	0.42 J	0.46 J	ND
Total Dissolved Solids	mg/L	--	115	104	123	80	24	153	166	190
Turbidity	NTU	--	1.24	2.68	1.3	2.84	0.98	2.3	1.14	0.39

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022	3/7/2023	7/20/2023	1/24/2024
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.02	0.022	0.021	0.024	0.025	ND	0.024	0.026
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	11.8	13.6	13.1	14.1	13.3	4.7	12.7	14.2
Chromium, total	mg/l	0.1	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.003 J	0.0028 J	0.0033 J	0.0032 J	0.0028 J	ND	0.0028 J	0.0038 J
Iron, total	mg/l	--	0.038 J	ND	ND	ND	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	8	8.8	8.7	9.3	9.2	4.6	8.6	9.6
Manganese, total	mg/l	--	0.12	0.12	0.13	0.15	0.13	ND	0.13	0.14
Mercury, Total	mg/L	0.002	0.0021	0.0025	ND	0.0021	0.0018	0.0024	0.0023	0.0024
Nickel, total	mg/l	--	0.0099	0.0098	0.01	0.011	0.0094	ND	0.0097	0.0098
Potassium, total	mg/l	--	1.3	1.2	1.7	1.4	1.4	0.28	1.5	1.4
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	8.1	9.5	8.8	10.4	9.7	2.3	9.9	11.1
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.025	0.027	0.032	0.029	0.027	ND	0.027	0.027
Alkalinity, Total	mg/L	--	20	24	25	20	20	35	22	23
Ammonia-N, Low Level	mg/L	--	0.03 J	0.05 J	0.03 J	ND	0.03 J	0.08 J	0.02 J	0.04 J
Chemical Oxygen Demand (COD)	mg/L	--	52	7 J	ND	ND	ND	30	51	ND
Chloride	mg/l	--	44.1	51.3	39.8	49.9	47.5	51.7	50.9	48.4
Hardness	mg/l	--	62.6	70.3	68.5	73.2	71.1	30.4	67.1	75.1
Nitrate/Nitrite-N	mg/L	10	2.5	3.3	1.8	2.1	2	2	1.8 J	1.7 J
pH	pH_Units	--	6.24	6.75	6.86	6.58	7.44	7.18	7.22	6.51
Specific Conductance	umhos/cm	--	201	221	201	250	224	235	228	237
Sulfate	mg/l	--	0.68 J	0.76 J	0.34 J	1.5 J	ND	ND	ND	ND
Total Dissolved Solids	mg/L	--	146	92	154	130	156	132	174	150

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/26/2020	3/11/2021	7/28/2021	3/1/2022	9/22/2022	3/7/2023	7/20/2023	1/24/2024
Turbidity	NTU	--	0.76	ND	0.3	0.32	0.42	4.4	0.35	ND

Location ID: M-24D
Number of Sampling Dates: 60

Parameter Name	Units	MCL	8/29/2024	2/5/2025	7/24/2025	1/8/2026
Antimony, total	mg/l	0.006	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND
Barium, total	mg/l	2	0.026	0.026	0.026	0.027
Beryllium, total	mg/l	0.004	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND
Calcium, total	mg/l	--	14.8	15.3	15.2	14.4
Chromium, total	mg/l	0.1	ND	ND	ND	ND
Cobalt, total	mg/l	--	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0029 J	0.0032 J	0.0035 J	0.0031 J
Iron, total	mg/l	--	ND	ND	ND	ND
Lead, total	mg/l	0.015	ND	ND	ND	ND
Magnesium, total	mg/l	--	9.7	9.9	10	9.8
Manganese, total	mg/l	--	0.15	0.16	0.16	0.15
Mercury, Total	mg/L	0.002	0.0023	0.0025	0.0025	0.0026
Nickel, total	mg/l	--	0.0099	0.01	0.01	0.01
Potassium, total	mg/l	--	1.8	1.4	1.5	1.4
Selenium, total	mg/l	0.05	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND
Sodium, Total	mg/L	--	10.9	11.4	11.3	11.1
Thallium, total	mg/l	0.002	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND
Zinc, total	mg/l	--	0.028	0.029	0.031	0.029
Alkalinity, Total	mg/L	--	24	24	21	21
Ammonia-N, Low Level	mg/L	--	0.08 J	0.03 J	1.24	0.1
Chemical Oxygen Demand (COD)	mg/L	--	5 J	11 J	5 J	ND
Chloride	mg/l	--	55.5	59.2	56	58.7
Hardness	mg/l	--	76.9	79	72.4	69.2
Nitrate/Nitrite-N	mg/L	10	1.93	1.9 J	1.7 J	1.9
pH	pH_Units	--	7.21	7.19	7.04	7.21
Specific Conductance	umhos/cm	--	243	244	248	244
Sulfate	mg/l	--	ND	ND	ND	0.47 J
Total Dissolved Solids	mg/L	--	127	152	64	207
Turbidity	NTU	--	0.3	0.65	2	2.1

Historical Well Data Table I

Name: Northern Landfill

Location ID: MW-A
Number of Sampling Dates: 17

Parameter Name	Units	MCL	1/26/2018	7/12/2018	2/14/2019	8/14/2019	3/19/2020	8/25/2020	3/16/2021	7/26/2021
Acetone	ug/L	–	8 J	3.1 J	ND	ND	ND	7.6	3.6 J	ND
Acrylonitrile	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	0.37 J	0.38 J	0.41 J	0.36 J	0.27 J	ND	ND	ND
Bromochloromethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND U	ND	ND	ND	ND	ND	7.4	ND
Carbon Disulfide	ug/L	–	ND U	ND	ND	ND	0.28 J	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	0.29 J	0.3 J	0.27 J	0.3 J	0.23 J	ND	ND	ND
Chloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND U	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	1.4	1.7	1.8	2.3	1.7	1.1	0.87 J	0.84 J
trans-1,4-Dichloro-2-butene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	1.7	1.5	1.3	1.2	0.9 J	0.72 J	0.56 J	0.49 J
1,2-Dichloroethane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND U	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	0.53 J	0.45 J	0.47 J	0.57 J	0.36 J	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND U	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND U	ND	ND	ND	ND	0.66 J	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	12.7	9.6	11.4	12	9.9	8.2	8.2	7.4
1,2-Dichloropropane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND U	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND U	ND	ND	ND	0.46 J	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND

Location ID: MW-A
Number of Sampling Dates: 17

Parameter Name	Units	MCL	1/26/2018	7/12/2018	2/14/2019	8/14/2019	3/19/2020	8/25/2020	3/16/2021	7/26/2021
Vinyl Acetate	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND U	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	0.26 J	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: MW-A
Number of Sampling Dates: 17

Parameter Name	Units	MCL	3/2/2022	9/22/2022	3/7/2023	7/24/2023	1/22/2024	8/29/2024	2/7/2025	7/22/2025
Acetone	ug/L	–	ND	ND	ND	ND	3.3 J	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	0.51 J	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	0.31 J	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	0.59 J	0.32 J	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	0.3 J	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	4.8	4	3.2	2.8	2	1.3	0.88 J	0.76 J
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: MW-A
Number of Sampling Dates: 17

Parameter Name	Units	MCL	3/2/2022	9/22/2022	3/7/2023	7/24/2023	1/22/2024	8/29/2024	2/7/2025	7/22/2025
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	2
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	77.4	86.9	91
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	6.13	7.91 I	7.75 I
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	ND U	ND U	3.54
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	6.19	4.39	5.46
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	6.6	7.64	8.06

Location ID: MW-A
Number of Sampling Dates: 17

Parameter Name	Units	MCL	1/7/2026
Acetone	ug/L	–	ND
Acrylonitrile	ug/L	–	ND
Benzene	ug/L	5	ND
Bromochloromethane	ug/L	–	ND
Bromomethane	ug/L	–	ND
2-Butanone	ug/L	–	ND
Carbon Disulfide	ug/L	–	ND
Carbon Tetrachloride	ug/L	5	ND
Chlorobenzene	ug/L	100	ND

Location ID: MW-A
Number of Sampling Dates: 17

Parameter Name	Units	MCL	1/7/2026
Chloroethane	ug/L	–	ND
Chloromethane	ug/L	–	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND
1,2-Dibromoethane	ug/L	0.05	ND
Dibromomethane	ug/L	–	ND
1,2-Dichlorobenzene	ug/L	600	ND
1,4-Dichlorobenzene	ug/L	75	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND
1,1-Dichloroethane	ug/L	–	ND
1,2-Dichloroethane	ug/L	5	ND
1,1-Dichloroethene	ug/L	7	ND
cis-1,2-Dichloroethene	ug/L	70	ND
trans-1,2-Dichloroethene	ug/L	100	ND
Methylene Chloride	ug/L	5	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	0.56 J
1,2-Dichloropropane	ug/L	5	ND
trans-1,3-Dichloropropene	ug/L	–	ND
cis-1,3-Dichloropropene	ug/L	–	ND
Ethylbenzene	ug/L	700	ND
2-Hexanone	ug/L	–	ND
Iodomethane	ug/l	–	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND
Styrene	ug/L	100	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND
Tetrachloroethene	ug/L	5	ND
Toluene	ug/L	1000	ND
1,1,1-Trichloroethane	ug/L	200	ND
1,1,2-Trichloroethane	ug/L	5	ND
Trichloroethene	ug/L	5	ND
Trichlorofluoromethane	ug/L	–	ND
1,2,3-Trichloropropane	ug/L	–	ND
Vinyl Acetate	ug/L	–	ND
Vinyl Chloride	ug/L	2	ND
o-Xylene	ug/L	10000	ND
m+p Xylenes	ug/L	10000	ND
Total Xylenes	ug/L	10000	ND
Bromodichloromethane	ug/L	80	ND
Dibromochloromethane	ug/L	80	ND
Bromoform	ug/L	80	ND
Chloroform	ug/L	80	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	111
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	9.58
Perfluorononanoic acid (PFNA)	ng/l	10	3.84
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	5.35

Location ID: MW-A
Number of Sampling Dates: 17

Parameter Name	Units	MCL	1/7/2026
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	9.34

Historical Well Data Table II

Name: Northern Landfill

Location ID:	MW-A									
Number of Sampling Dates:	17									
Parameter Name	**Units**	**MCL**	**1/26/2018**	**7/12/2018**	**2/14/2019**	**8/14/2019**	**3/19/2020**	**8/25/2020**	**3/16/2021**	**7/26/2021**
Antimony, total	mg/l	0.006	ND U	ND	ND	ND	ND	0.0016 J	ND	ND
Arsenic, total	mg/l	0.01	ND U	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.045	0.051	0.051	0.053	0.048	0.049	0.051	0.047
Beryllium, total	mg/l	0.004	ND U	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND U	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	22.2	22.1	22.1	24.9	24.5	23.4	23.9	23.2
Chromium, total	mg/l	0.1	0.0027	0.0029	0.0015 J	0.0047	0.0012 J	0.0018 J	ND	ND
Cobalt, total	mg/l	--	0.034	0.0057	0.0022 J	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.007	0.0055 J	ND	ND	ND	ND	ND	ND
Iron, total	mg/l	--	1.2	0.55	0.097	0.26	0.048 J	0.18	ND	0.025 J
Lead, total	mg/l	0.015	ND U	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	12.3	14.2	13	16.3	15.3	16.4	16.3	15.4
Manganese, total	mg/l	--	2.7	0.31	0.14	0.077	0.038	0.032	0.068	0.036
Mercury, Total	mg/L	0.002	ND U	0.00057	0.00017 J	0.00018 J	ND	ND	ND	ND
Nickel, total	mg/l	--	0.017	0.005 J	0.0027 J	0.0045 J	0.0026 J	0.0027 J	0.0026 J	0.0023 J
Potassium, total	mg/l	--	4.7	2.3	2	2.3	2.4	2.3	2.4	2.3
Selenium, total	mg/l	0.05	ND U	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND U	ND	ND	ND	ND	ND	0.0038	ND
Sodium, Total	mg/L	--	18.1	16.9	17.5	17.8	14.8	14.9	14.3	14
Thallium, total	mg/l	0.002	ND U	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND U	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.019	0.022	0.019	0.018	0.015	0.012	0.029	0.02
Alkalinity, Total	mg/L	--	86	83	82	81	83	78	87	78
Ammonia-N, Low Level	mg/L	--	0.065 J	0.267	0.116	ND	ND	0.09 J	0.11	0.08 J
Chemical Oxygen Demand (COD)	mg/L	--	5 J	ND	14 J	9 J	ND	ND	11 J	ND
Chloride	mg/l	--	46	53.7	53.6	58.9	56.9	53.6	53.6	53.5
Hardness	mg/l	--	106	114	109	130	124	126	127	121
Nitrate/Nitrite-N	mg/L	10	ND U	ND	0.08	0.18 J	ND	0.32	0.44	0.64
pH	pH_Units	--	6.27	6.34	6.24	6.89	7.15	5.96	6.22	6.89
Specific Conductance	umhos/cm	--	304	324	322	364	349	334	316	327
Sulfate	mg/l	--	8.3	7.9	6.6	8.6	6.1	6.2	5	7.1
Total Dissolved Solids	mg/L	--	181	184	213	217	156	216	178	200
Turbidity	NTU	--	22.2	4.28	0.9	31.6	0.6	1.92	0.32	0.22

Location ID:	MW-A									
Number of Sampling Dates:	17									
Parameter Name	**Units**	**MCL**	**3/2/2022**	**9/22/2022**	**3/7/2023**	**7/24/2023**	**1/22/2024**	**8/29/2024**	**2/7/2025**	**7/22/2025**
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.048	0.045	0.043	0.041	0.04	0.04	0.038	0.037
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	24.5	25.1	25.5	23.5	22.8	23.8	23	21.4
Chromium, total	mg/l	0.1	ND	ND	0.0013 J	0.00097 J	ND	0.0012 J	ND	0.013
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0023 J	ND	ND	ND	ND	ND	0.0021 J	ND
Iron, total	mg/l	--	ND	ND	0.02 J	0.033 J	ND	0.073	0.025 J	0.08
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	16.6	17.1	16.5	15.7	15.3	15.6	15.2	14.8
Manganese, total	mg/l	--	0.021	0.019	0.019	0.018	0.028	0.02	0.017	0.016
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0025 J	ND	0.0021 J	0.002 J	ND	ND	0.0019 J	0.01
Potassium, total	mg/l	--	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	14.3	13.2	13.5	12.4	12.8	12.9	12.8	12.6
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.015	0.015	0.013	0.011	0.011	0.012	0.012	0.012
Alkalinity, Total	mg/L	--	86	89	82	90	88	--	87	79
Ammonia-N, Low Level	mg/L	--	0.11	0.1 J	0.11	0.08 J	0.1 J	0.12	0.04 J	ND
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	22	6 J	ND	6 J	ND	6 J
Chloride	mg/l	--	50.1	41.8	42.7	41.2	36.9	35.6	37.6	32.9
Hardness	mg/l	--	130	133	132	123	120	124	120	107
Nitrate/Nitrite-N	mg/L	10	1	1.3	1.8 J	2.1	2.3	2.86	3.15	3.1
pH	pH_Units	--	6.97	7.95	7.57	7.32	7.64	7.79	7.63	7.74
Specific Conductance	umhos/cm	--	352	345	343	340	319	320	315	315
Sulfate	mg/l	--	7.5	7.6	10.3	10.4	10.8	12.9	17	14.5
Total Dissolved Solids	mg/L	--	214	190	168	200	178	126	170	225
Turbidity	NTU	--	0.28	0.45	2	2.6	0.6	5.6	3.4	1.5

Location ID:	MW-A									
Number of Sampling Dates:	17									
Parameter Name	**Units**	**MCL**	**1/7/2026**							
Antimony, total	mg/l	0.006	ND							
Arsenic, total	mg/l	0.01	ND							
Barium, total	mg/l	2	0.038							
Beryllium, total	mg/l	0.004	ND							

Location ID:	MW-A										
Number of Sampling Dates:	17										
Parameter Name	**Units**	**MCL**	**1/7/2026**								
Cadmium, total	mg/l	0.005	ND								
Calcium, total	mg/l	--	21.6								
Chromium, total	mg/l	0.1	0.0016 J								
Cobalt, total	mg/l	--	ND								
Copper, total	mg/l	1.3	ND								
Iron, total	mg/l	--	0.22								
Lead, total	mg/l	0.015	ND								
Magnesium, total	mg/l	--	14.5								
Manganese, total	mg/l	--	0.018								
Mercury, Total	mg/L	0.002	ND								
Nickel, total	mg/l	--	0.0023 J								
Potassium, total	mg/l	--	2.2								
Selenium, total	mg/l	0.05	ND								
Silver, total	mg/l	--	ND								
Sodium, Total	mg/L	--	12.2								
Thallium, total	mg/l	0.002	ND								
Vanadium, Total	mg/L	--	ND								
Zinc, total	mg/l	--	0.011								
Alkalinity, Total	mg/L	--	77								
Ammonia-N, Low Level	mg/L	--	0.02 J								
Chemical Oxygen Demand (COD)	mg/L	--	ND								
Chloride	mg/l	--	33.3								
Hardness	mg/l	--	104								
Nitrate/Nitrite-N	mg/L	10	3.5								
pH	pH_Units	--	7.45								
Specific Conductance	umhos/cm	--	305								
Sulfate	mg/l	--	15.3								
Total Dissolved Solids	mg/L	--	196								
Turbidity	NTU	--	16								

Historical Well Data Table I

Name: Northern Landfill

Location ID: MW-B
Number of Sampling Dates: 18

Parameter Name	Units	MCL	1/26/2018	7/13/2018	2/14/2019	8/14/2019	3/18/2020	8/27/2020	3/16/2021	7/26/2021
Acetone	ug/L	–	ND U	ND	ND	3.5 J	ND	3.9 J	ND	ND
Acrylonitrile	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	0.44 J	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND U	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND U	ND	ND	0.42 J	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND U	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND U	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND U	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	0.85 J
1,2-Dichloroethane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND U	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND U	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND U	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND U	ND	ND	ND	ND	0.59 J	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	1.1
1,2-Dichloropropane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND U	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND U	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND U	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND U	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND

Location ID: MW-B
Number of Sampling Dates: 18

Parameter Name	Units	MCL	1/26/2018	7/13/2018	2/14/2019	8/14/2019	3/18/2020	8/27/2020	3/16/2021	7/26/2021
Vinyl Acetate	ug/L	–	ND U	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND U	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND U	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND U	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	–	–	–
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	–	–	–
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	–	–	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	–	–	–

Location ID: MW-B
Number of Sampling Dates: 18

Parameter Name	Units	MCL	3/2/2022	9/22/2022	3/7/2023	7/24/2023	1/22/2024	8/29/2024	2/7/2025	7/23/2025
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	0.46 J	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	0.33 J	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	0.39 J	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND

Location ID: MW-B
Number of Sampling Dates: 18

Parameter Name	Units	MCL	3/2/2022	9/22/2022	3/7/2023	7/24/2023	1/22/2024	8/29/2024	2/7/2025	7/23/2025
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	700	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ug/l	–	ND	ND	ND	ND	ND	ND	ND	2
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1000	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	10000	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	–	–	–	–	–	15.8	10.9	12.6
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	–	–	–	–	–	9.36	8.7	9.18
Perfluorononanoic acid (PFNA)	ng/l	10	–	–	–	–	–	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	–	–	–	–	–	3.94	ND U	2.94
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	–	–	–	–	–	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	–	–	–	–	–	ND U	ND U	2.65

Location ID: MW-B
Number of Sampling Dates: 18

Parameter Name	Units	MCL	1/7/2026	3/2/2026
Acetone	ug/L	–	ND	ND
Acrylonitrile	ug/L	–	4.4 J	ND
Benzene	ug/L	5	11.3	ND
Bromochloromethane	ug/L	–	ND	ND
Bromomethane	ug/L	–	ND	ND
2-Butanone	ug/L	–	ND	ND
Carbon Disulfide	ug/L	–	ND	ND
Carbon Tetrachloride	ug/L	5	ND	ND
Chlorobenzene	ug/L	100	ND	ND

Location ID: MW-B
Number of Sampling Dates: 18

Parameter Name	Units	MCL	1/7/2026	3/2/2026
Chloroethane	ug/L	–	ND	ND
Chloromethane	ug/L	–	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	0.2	ND	ND
1,2-Dibromoethane	ug/L	0.05	ND	ND
Dibromomethane	ug/L	–	ND	ND
1,2-Dichlorobenzene	ug/L	600	ND	ND
1,4-Dichlorobenzene	ug/L	75	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND
1,2-Dichloroethane	ug/L	5	ND	ND
1,1-Dichloroethene	ug/L	7	ND	ND
cis-1,2-Dichloroethene	ug/L	70	ND	ND
trans-1,2-Dichloroethene	ug/L	100	ND	ND
Methylene Chloride	ug/L	5	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND
Ethylbenzene	ug/L	700	ND	ND
2-Hexanone	ug/L	–	ND	ND
Iodomethane	ug/l	–	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND
Styrene	ug/L	100	0.35 J	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	–	ND	ND
Tetrachloroethene	ug/L	5	ND	ND
Toluene	ug/L	1000	4.3	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND
1,1,2-Trichloroethane	ug/L	5	ND	ND
Trichloroethene	ug/L	5	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND
Vinyl Acetate	ug/L	–	ND	ND
Vinyl Chloride	ug/L	2	ND	ND
o-Xylene	ug/L	10000	ND	ND
m+p Xylenes	ug/L	10000	0.99 J	ND
Total Xylenes	ug/L	10000	1 J	ND
Bromodichloromethane	ug/L	80	ND	ND
Dibromochloromethane	ug/L	80	ND	ND
Bromoform	ug/L	80	ND	ND
Chloroform	ug/L	80	ND	ND
Perfluorooctanoic acid (PFOA)	ng/l	4	13.9	–
Perfluorooctanesulfonic acid (PFOS)	ng/l	4	8.96	–
Perfluorononanoic acid (PFNA)	ng/l	10	1.45	–
Perfluorohexanesulfonic acid (PFHxS)	ng/l	10	2.72	–

Location ID: MW-B
Number of Sampling Dates: 18

Parameter Name	Units	MCL	1/7/2026	3/2/2026
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/l	10	ND U	–
Perfluorobutanesulfonic acid (PFBS)	ng/l	–	2.66	–

Historical Well Data Table II

Name: Northern Landfill

Location ID:	MW-B									
Number of Sampling Dates:	17									
Parameter Name	**Units**	**MCL**	**1/26/2018**	**7/13/2018**	**2/14/2019**	**8/14/2019**	**3/18/2020**	**8/27/2020**	**3/16/2021**	**7/26/2021**
Antimony, total	mg/l	0.006	ND U	ND	ND	ND	ND	0.00078 J	ND	ND
Arsenic, total	mg/l	0.01	ND U	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0096	0.015	0.016	0.031	0.0082	0.0067	0.0069	0.0042 J
Beryllium, total	mg/l	0.004	ND U	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND U	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	18.3	21.1	21.1	18.8	18.1	16.9	17.1	30.9
Chromium, total	mg/l	0.1	0.00095 J	0.0014 J	0.001 J	0.011	0.0017 J	0.00081 J	ND	ND
Cobalt, total	mg/l	--	ND U	ND	ND	0.0037 J	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0085	0.005 J	ND	0.042	ND	ND	ND	0.0027 J
Iron, total	mg/l	--	0.071	0.33	ND	3.6	ND	0.15	ND	0.55
Lead, total	mg/l	0.015	ND U	ND	ND	0.00099 J	ND	ND	ND	ND
Magnesium, total	mg/l	--	19.3	18.8	15.6	20.6	17.6	15.9	18.3	16.7
Manganese, total	mg/l	--	0.23	0.072	0.014	0.48	0.0093	0.023	0.0074	0.25
Mercury, Total	mg/L	0.002	ND U	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0069	0.0042 J	0.003 J	0.015	0.0026 J	0.0022 J	0.0023 J	0.0019 J
Potassium, total	mg/l	--	1.7	2.1	1.7	1.7	1.7	1.5	1.6	1.2
Selenium, total	mg/l	0.05	ND U	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND U	ND	ND	ND	ND	ND	0.65	ND
Sodium, Total	mg/L	--	31.4	28	21.8	28.7	23.4	21.3	24.8	24.1
Thallium, total	mg/l	0.002	ND U	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND U	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.0084	0.01	0.011	0.019	0.0087	0.01	0.017	0.0082
Alkalinity, Total	mg/L	--	46	66	61	48	58	51	52	90
Ammonia-N, Low Level	mg/L	--	ND U	3.49	0.078 J	ND	ND	0.04 J	0.04 J	0.03 J
Chemical Oxygen Demand (COD)	mg/L	--	4 J	ND	12 J	8 J	ND	32	6 J	ND
Chloride	mg/l	--	84.4	80.3	59.5	66.3	57.3	59.2	58.6	55.1
Hardness	mg/l	--	125	130	117	132	118	108	118	146
Nitrate/Nitrite-N	mg/L	10	5.9	4.8	3.6	3.3	2.6	3.1	3.4	2.3
pH	pH_Units	--	6.59	6.34	6.34	7.1	6.94	6.65	6.24	7.03
Specific Conductance	umhos/cm	--	442	487	409	412	384	368	349	403
Sulfate	mg/l	--	22.8	32.7	27	26.7	25.8	27.8	27.3	32.2
Total Dissolved Solids	mg/L	--	215	236	245	249	208	134	186	252
Turbidity	NTU	--	1.79	5.56	0.29	303	0.16	5.86	0.13	3.42

Location ID: MW-B
Number of Sampling Dates: 17

Parameter Name	Units	MCL	3/2/2022	9/22/2022	3/7/2023	7/24/2023	1/22/2024	8/29/2024	2/7/2025	7/23/2025
Antimony, total	mg/l	0.006	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic, total	mg/l	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Barium, total	mg/l	2	0.0094	0.0043 J	0.012	0.0041 J	0.0086	0.0059	0.0064	0.0082
Beryllium, total	mg/l	0.004	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium, total	mg/l	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, total	mg/l	--	16.4	14	18.5	18.6	16.1	16.9	17.4	17.9
Chromium, total	mg/l	0.1	ND	ND	0.00075 J	0.0012 J	0.0012 J	0.00088 J	ND	0.00099 J
Cobalt, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Copper, total	mg/l	1.3	0.0048 J	ND	ND	ND	ND	ND	ND	0.0038 J
Iron, total	mg/l	--	0.034 J	ND	ND	0.051 J	0.03 J	0.041 J	0.03 J	0.8
Lead, total	mg/l	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium, total	mg/l	--	15.4	15.2	15.5	15	13.8	15	15	15.7
Manganese, total	mg/l	--	0.0056 J	0.0062	0.0037 J	0.029	0.0067	0.0069	0.01	0.069
Mercury, Total	mg/L	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Nickel, total	mg/l	--	0.0047 J	ND	0.0022 J	ND	ND	ND	ND	0.0029 J
Potassium, total	mg/l	--	1.7	1.4	1.7	1.3	1.5	1.5	1.5	1.5
Selenium, total	mg/l	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Silver, total	mg/l	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	mg/L	--	21.7	23.1	18	20.3	18	19	17.5	15.4
Thallium, total	mg/l	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc, total	mg/l	--	0.016	0.0057	0.0073	0.0046 J	0.0057	0.0059	0.0054 J	0.0085
Alkalinity, Total	mg/L	--	48	49	53	66	57	62	67	64
Ammonia-N, Low Level	mg/L	--	0.04 J	0.05 J	0.07 J	ND	0.04 J	0.07 J	ND	0.04 J
Chemical Oxygen Demand (COD)	mg/L	--	ND	ND	18	5 J	ND	7 J	ND	ND
Chloride	mg/l	--	54	42.8	45.8	40.6	37.1	37	35.6	32.8
Hardness	mg/l	--	104	97.7	110	108	97	104	105	104
Nitrate/Nitrite-N	mg/L	10	2.5	1.9	2.1	2.1	2 J	2.17	2.12	2 J
pH	pH_Units	--	7.11	7.8	7.64	7.5	7.47	7.84	7.67	7.75
Specific Conductance	umhos/cm	--	353	323	330	341	296	308	303	311
Sulfate	mg/l	--	28.7	28.9	26	30.9	25.5	29.6	29.8	25.4
Total Dissolved Solids	mg/L	--	208	180	166	202	171	104	163	170
Turbidity	NTU	--	0.26	1.3	ND	3	0.65	0.5	2.2	18

Location ID: MW-B
Number of Sampling Dates: 17

Parameter Name	Units	MCL	1/7/2026
Antimony, total	mg/l	0.006	ND
Arsenic, total	mg/l	0.01	ND
Barium, total	mg/l	2	0.01
Beryllium, total	mg/l	0.004	ND

Location ID:	MW-B										
Number of Sampling Dates:	17										
Parameter Name	**Units**	**MCL**	**1/7/2026**								
Cadmium, total	mg/l	0.005	ND								
Calcium, total	mg/l	--	28.2								
Chromium, total	mg/l	0.1	0.0024								
Cobalt, total	mg/l	--	0.0028 J								
Copper, total	mg/l	1.3	0.015								
Iron, total	mg/l	--	3.1								
Lead, total	mg/l	0.015	0.001 J								
Magnesium, total	mg/l	--	17.6								
Manganese, total	mg/l	--	0.39								
Mercury, Total	mg/L	0.002	ND								
Nickel, total	mg/l	--	0.0051 J								
Potassium, total	mg/l	--	1.3								
Selenium, total	mg/l	0.05	ND								
Silver, total	mg/l	--	ND								
Sodium, Total	mg/L	--	17.2								
Thallium, total	mg/l	0.002	ND								
Vanadium, Total	mg/L	--	0.0013 J								
Zinc, total	mg/l	--	0.016								
Alkalinity, Total	mg/L	--	98								
Ammonia-N, Low Level	mg/L	--	ND								
Chemical Oxygen Demand (COD)	mg/L	--	ND								
Chloride	mg/l	--	34.1								
Hardness	mg/l	--	129								
Nitrate/Nitrite-N	mg/L	10	2.2								
pH	pH_Units	--	7.6								
Specific Conductance	umhos/cm	--	367								
Sulfate	mg/l	--	27.6								
Total Dissolved Solids	mg/L	--	256								
Turbidity	NTU	--	60								

Surface Water Historical Data Table I

Name: Northern Surface Water

Location ID: SW-1
Number of Sampling Dates: 7

Parameter Name	Units	NCTS	3/7/2023	7/20/2023	1/24/2024	8/29/2024	2/5/2025	7/24/2025	1/8/2026
Acetone	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	0.51	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	22	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	2.3	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	130	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	420	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	63	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	3.8	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	330	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	140	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	46	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	530	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Iodomethane (Methyl Iodide)	ug/L	–	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	1.7	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	6.9	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1300	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND

Location ID:	SW-1								
Number of Sampling Dates:	7								
Parameter Name	**Units**	**NCTS**	**3/7/2023**	**7/20/2023**	**1/24/2024**	**8/29/2024**	**2/5/2025**	**7/24/2025**	**1/8/2026**
1,1,2-Trichloroethane	ug/L	5.9	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	25	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	0.25	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/L	4	–	–	–	ND U	ND U	3.91	2.84
Perfluorooctanesulfonic acid (PFOS)	ng/L	4	–	–	–	12.1	8.88 U	13.4	13
Perfluorononanoic acid (PFNA)	ng/L	10	–	–	–	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/L	10	–	–	–	15.2	13.3	14.5	11.1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	10	–	–	–	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/L	–	–	–	–	3.64	ND U	4.76	3.57

Surface Water Historical Data Table II

Name: Northern Surface Water

Location ID:	SW-1								
Number of Sampling Dates:	7								
Parameter Name	**Units**	**NCTS**	**3/7/2023**	**7/20/2023**	**1/24/2024**	**8/29/2024**	**2/5/2025**	**7/24/2025**	**1/8/2026**
Antimony, Dissolved	mg/L	0.0056	ND	ND	ND	ND	ND	ND	ND
Arsenic, Dissolved	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND
Barium, Dissolved	mg/L	1	0.026	0.026	0.028	0.025	0.023	0.03	0.028
Beryllium, Dissolved	mg/L	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, Dissolved	mg/L	0.00025	ND	ND	ND	ND	ND	ND	ND
Calcium, Dissolved	mg/L	–	14.6	15.6	13.5	15.1	14.6	15.5	14.8
Chromium, Dissolved	mg/L	0.1	ND	ND	ND	ND	ND	ND	0.00076 J
Cobalt, Dissolved	mg/L	–	ND	ND	ND	ND	ND	ND	ND
Copper, Dissolved	mg/L	0.009	ND	ND	ND	ND	ND	ND	ND
Iron, Dissolved	mg/L	–	ND	ND	ND	ND	ND	ND	ND
Lead, Dissolved	mg/L	0.0025	ND	ND	ND	ND	ND	ND	ND
Magnesium, Dissolved	mg/L	–	8.6	8.6	8.1	7.7	8.2	8.5	8.3
Manganese, Dissolved	mg/L	–	0.0017 J	ND	0.0035 J	ND	0.0023 J	0.003 J	0.003 J
Mercury, Dissolved	mg/L	0.00077	ND	ND	3.4e-005 J	ND	ND	ND	ND
Nickel, Dissolved	mg/L	0.052	ND	ND	ND	ND	ND	ND	ND
Potassium, Dissolved	mg/L	–	1.7	2.3	1.8	1.8	1.7	1.8	1.7
Selenium, Dissolved	mg/L	0.005	ND	ND	ND	ND	ND	ND	ND
Silver, Dissolved	mg/L	0.0032	ND	ND	ND	ND	ND	ND	ND
Sodium, Dissolved	mg/L	–	31.8	31.6	34.2	35.4	35.6	38.7	44.1
Thallium, Dissolved	mg/L	0.00024	ND	ND	ND	ND	ND	ND	ND
Vanadium, Dissolved	mg/L	–	ND	ND	ND	ND	ND	ND	ND
Zinc, Dissolved	mg/L	0.12	ND	ND	0.0029 J	ND	ND	ND	0.0024 J
Alkalinity, Total	mg/L	–	23	35	25	34	28	30	25
Ammonia-N, Low Level	mg/L	–	0.04 J	0.02 J	0.03 J	0.02 J	0.02 J	0.09 J	ND
Chemical Oxygen Demand (COD)	mg/L	–	15	66	ND	6 J	ND	ND	ND
Chloride	mg/L	–	63	66.7	68.3	75	77.3	76.7	104
Hardness	mg/L	–	67.1	67.9	64.8	70.5	67.6	69.1	70.6
Nitrate/Nitrite-N	mg/L	–	5	4	5.1	4.69	5.4	5	5.6
pH	pH_Units	–	7.5	7.88	7.64	7.82	7.7	7.77	7.44
Specific Conductance	umhos/cm	–	320	337	331	360	349	368	430
Sulfate	mg/L	–	7.4	5.5	7.2	6.3	6.7	5.6	6.6
Total Dissolved Solids	mg/L	–	160	198	172	142	200	248	278
Turbidity	NTU	–	1.8	7.8	1.3	1.2	1.9	3.1	2

Surface Water Historical Data Table I

Name: Northern Surface Water

Location ID: SW-2
Number of Sampling Dates: 7

Parameter Name	Units	NCTS	3/7/2023	7/20/2023	1/24/2024	8/29/2024	2/5/2025	7/24/2025	1/8/2026
Acetone	ug/L	–	ND	ND	11.6	ND	ND	ND	ND
Acrylonitrile	ug/L	0.51	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	22	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	–	ND	ND	2.7 J	ND	ND	ND	ND
Carbon Disulfide	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	2.3	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	130	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	420	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	63	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	3.8	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	330	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	140	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	46	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether (MTBE)	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	530	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Iodomethane (Methyl Iodide)	ug/L	–	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone(MIBK)	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	1.7	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	6.9	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	1300	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	200	ND	ND	ND	ND	ND	ND	ND

Location ID: SW-2
Number of Sampling Dates: 7

Parameter Name	Units	NCTS	3/7/2023	7/20/2023	1/24/2024	8/29/2024	2/5/2025	7/24/2025	1/8/2026
1,1,2-Trichloroethane	ug/L	5.9	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	25	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	0.25	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	–	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ug/L	–	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	80	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	ng/L	4	–	–	–	3.93 U	4.94	5.25	5.04
Perfluorooctanesulfonic acid (PFOS)	ng/L	4	–	–	–	10.2	6.33	13	9.91
Perfluorononanoic acid (PFNA)	ng/L	10	–	–	–	ND U	ND U	ND U	ND U
Perfluorohexanesulfonic acid (PFHxS)	ng/L	10	–	–	–	13.8	11	13.2	9.26
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	10	–	–	–	ND U	ND U	ND U	ND U
Perfluorobutanesulfonic acid (PFBS)	ng/L	–	–	–	–	4.38	4.11	4.82	4.14

Surface Water Historical Data Table II

Name: Northern Surface Water

Location ID:	SW-2								
Number of Sampling Dates:	7								
Parameter Name	**Units**	**NCTS**	**3/7/2023**	**7/20/2023**	**1/24/2024**	**8/29/2024**	**2/5/2025**	**7/24/2025**	**1/8/2026**
Antimony, Dissolved	mg/L	0.0056	ND	ND	ND	ND	ND	ND	ND
Arsenic, Dissolved	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND
Barium, Dissolved	mg/L	1	0.023	0.024	0.027	0.023	0.021	0.027	0.023
Beryllium, Dissolved	mg/L	0.004	ND	ND	ND	ND	ND	ND	ND
Cadmium, Dissolved	mg/L	0.00025	ND	ND	ND	ND	ND	ND	ND
Calcium, Dissolved	mg/L	–	16.5	15	15.7	15.2	15.7	16	15.3
Chromium, Dissolved	mg/L	0.1	ND	ND	0.1	ND	ND	ND	0.001 J
Cobalt, Dissolved	mg/L	–	ND	ND	0.0025 J	ND	ND	ND	ND
Copper, Dissolved	mg/L	0.009	ND	ND	0.0036 J	ND	ND	0.002 J	ND
Iron, Dissolved	mg/L	–	ND	ND	0.51	ND	ND	ND	ND
Lead, Dissolved	mg/L	0.0025	ND	ND	ND	ND	ND	ND	ND
Magnesium, Dissolved	mg/L	–	8.2	8.2	8.2	7.6	8.1	8.4	8.3
Manganese, Dissolved	mg/L	–	0.002 J	ND	0.22	0.0029 J	0.0026 J	0.0036 J	0.0021 J
Mercury, Dissolved	mg/L	0.00077	ND	ND	3.1e-005 J	ND	ND	ND	ND
Nickel, Dissolved	mg/L	0.052	ND	ND	0.072	ND	ND	ND	ND
Potassium, Dissolved	mg/L	–	2	2.2	2.1	1.9	1.8	1.9	1.7
Selenium, Dissolved	mg/L	0.005	ND	ND	ND	ND	ND	ND	ND
Silver, Dissolved	mg/L	0.0032	ND	ND	ND	ND	ND	ND	ND
Sodium, Dissolved	mg/L	–	25.7	28.6	31.6	33.7	30.7	35.1	37.9
Thallium, Dissolved	mg/L	0.00024	ND	ND	ND	ND	ND	ND	ND
Vanadium, Dissolved	mg/L	–	ND	ND	ND	ND	ND	ND	ND
Zinc, Dissolved	mg/L	0.12	ND	ND	0.0046 J	ND	ND	0.0022 J	0.0085
Alkalinity, Total	mg/L	–	34	34	32	33	34	36	31
Ammonia-N, Low Level	mg/L	–	0.06 J	0.02 J	0.1 J	0.05 J	0.02 J	0.27	0.03 J
Chemical Oxygen Demand (COD)	mg/L	–	40	57	7 J	ND	29	ND	ND
Chloride	mg/L	–	51.1	62.6	62	71.7	70.3	71	89.7
Hardness	mg/L	–	69.6	64.4	69.3	71.1	69.4	70.7	70.3
Nitrate/Nitrite-N	mg/L	–	3.9	3.7	4.4	5.25	4.5	4.5	4.6
pH	pH_Units	–	7.59	7.9	7.56	7.83	7.78	7.95	7.64
Specific Conductance	umhos/cm	–	291	314	322	349	334	352	392
Sulfate	mg/L	–	7.8	5.3	9.3	6.1	7.3	5.9	7
Total Dissolved Solids	mg/L	–	128	192	179	162	205	220	250
Turbidity	NTU	–	13	6.7	1.8	1.1	3.6	3.2	2.2

Maryland Environmental Service

259 Najoles Road
Millersville, MD 21108

Northern Landfill (Northern)

Client Project# 2531-1401
Samples Received: 1/12/2026

Analytical Report
0126-757

EPA Method 1633 (non-potable water)

Report Issue Date: 1/23/2026

I certify that to the best of my knowledge all analytical data presented in this report have been checked for completeness, accuracy, errors and legibility in addition to having been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s). This analytical report was prepared in Portable Document Format (.PDF) and contains 96 pages. This report shall not be reproduced except in full without approval of the laboratory. This will provide assurance that parts of the report are not taken out of context.

Amendment(s):

Signature:

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Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Maryland Environmental Service
Job No.	0126-757-1
Client ID.	2531-1401 Site: Northern Landfill (Northern)

1. Custody

Lilli Stanley received the samples at 4.6 °C after being relinquished by Maryland Environmental Service.

The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.

Table 1 - Sample Inventory

EU Lab Sample ID	Client Sample ID	Matrix	Received
0126-757-001-1	M-4	Aqueous	2026-01-12
0126-757-001-1A	M-4	Aqueous	2026-01-12
0126-757-002-1	M-6	Aqueous	2026-01-12
0126-757-002-1A	M-6	Aqueous	2026-01-12
0126-757-003-1	M-3	Aqueous	2026-01-12
0126-757-003-1A	M-3	Aqueous	2026-01-12
0126-757-004-1	M-14	Aqueous	2026-01-12
0126-757-004-1A	M-14	Aqueous	2026-01-12
0126-757-005-1	M-15	Aqueous	2026-01-12
0126-757-005-1A	M-15	Aqueous	2026-01-12
0126-757-006-1	M-7	Aqueous	2026-01-12
0126-757-006-1A	M-7	Aqueous	2026-01-12
0126-757-007-1	R-Blank	Aqueous	2026-01-12
0126-757-007-1A	R-Blank	Aqueous	2026-01-12
0126-757-008-1	Trip Blank	Aqueous	2026-01-12
0126-757-008-1A	Trip Blank	Aqueous	2026-01-12
0126-757-009-1	M-17DR	Aqueous	2026-01-12
0126-757-009-1A	M-17DR	Aqueous	2026-01-12
0126-757-010-1	M-17S	Aqueous	2026-01-12
0126-757-010-1A	M-17S	Aqueous	2026-01-12
0126-757-011-1	M-23	Aqueous	2026-01-12
0126-757-011-1A	M-23	Aqueous	2026-01-12
0126-757-012-1	M-12	Aqueous	2026-01-12
0126-757-012-1A	M-12	Aqueous	2026-01-12
0126-757-013-1	M-22	Aqueous	2026-01-12
0126-757-013-1A	M-22	Aqueous	2026-01-12
0126-757-014-1	M-19	Aqueous	2026-01-12
0126-757-014-1A	M-19	Aqueous	2026-01-12
0126-757-015-1	Rinse Blank (1)	Aqueous	2026-01-12
0126-757-015-1A	Rinse Blank (1)	Aqueous	2026-01-12
0126-757-016-1	Trip Blank (1)	Aqueous	2026-01-12
0126-757-016-1A	Trip Blank (1)	Aqueous	2026-01-12
0126-757-017-1	M-21	Aqueous	2026-01-12
0126-757-017-1A	M-21	Aqueous	2026-01-12

Enthalpy Analytical Narrative Summary

Company	Maryland Environmental Service
Job No.	0126-757-1
Client ID.	2531-1401 Site: Northern Landfill (Northern)

0126-757-018-1	M-11D	Aqueous	2026-01-12
0126-757-018-1A	M-11D	Aqueous	2026-01-12
0126-757-019-1	M-11S	Aqueous	2026-01-12
0126-757-019-1A	M-11S	Aqueous	2026-01-12
0126-757-020-1A	MW-A	Aqueous	2026-01-12

2. Methods and Analytes

A list of analytes of interest and corresponding methods of analysis is shown in Table 3. Abbreviations are defined in the listed Appendices.

Table 3 - Methods and Analytes

EU Method	Analytes	Cleanup Method
EU068	Custom List	EU067

3. Analysis

The samples were analyzed using LC/MS/MS instrument Jetfire.

The samples were analyzed using more than one extraction batch and analytical sequence to meet method acceptance criteria.

4. Calibration

In the initial calibration, the reported analytes exhibited an RSD or RSE of ≤ 20%. The reported analytes in the calibration standards, and Initial Calibration Verification (ICV), continuing calibration (concal), and sensitivity check met the accuracy and S/N criterion for native analytes.

The Standards that did not were:

• 1633X CS0 SID BT64 (HFPO-DA)

Analyte(s) that exceed method control limits in the concals and/or sensitivity check in batch 119809 analysis were ND >LOQ in the samples. The data is reported without adverse impact.

5. QC Notes

The QC sample analyses passed all method criteria.

EPA Method 1633 (non-potable water) samples were extracted within 28 days, and extracts analyzed within 28 days.

Enthalpy Analytical Narrative Summary

Company	Maryland Environmental Service
Job No.	0126-757-1
Client ID.	2531-1401 Site: Northern Landfill (Northern)

6. Reporting Notes

The results presented in this report are representative of the samples as provided to the laboratory.

The ion ratios for all compounds were within tolerance.

The area responses for the non-extracted internal standards (injection standards or JS) met method criteria.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, LLC in Wilmington NC is accredited by the Louisiana Department of Environmental Quality to the 2016 TNI Standard under certificate number 05075.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, LLC - Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers

- Ac - Alternate calculation flag indicates the es recovery was calculated using the opening concal when either of the following situations is encountered in the data processing software: the ES recovery is over 400% or the JS is not detected.
- B – The analyte was found in the method blank, at a concentration that was at least 10% of the amount in the sample.
- Cxx – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group ('xx') are shown with the number of the lowest IUPAC co-eluter**.**
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve). For HRMS data, this condition does not imply additional measurement uncertainty. For LC-MS/MS data, these values should be considered as having measurement uncertainty higher than values within the calibration range.
- EDL – Estimated Detection Level: The EDL is unique to isotope dilution methods and reflects the conditions of analysis at the time of analysis, including the equipment used. Where the MDL is a static value, the EDL is a dynamic value.
- EMPC – Estimated Maximum Possible Concentration: EMPC is specific to Dioxin/Furan tests to indicate the determined ion-abundance ratio was outside the allowed theoretical range (usually due to being near the detection limit, although it can very rarely be caused by a co-eluting interference). The EMPC concentration is adjusted to reflect the value at the theoretical ion-abundance ratio.
- I/IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria. The analyte concentration may be inaccurate due to interference.
- J – The analyte has a concentration below the minimum calibration level (LOQ value) but greater than the LOD. These values should be considered as having measurement uncertainty higher than values within the calibration range
- L - For reports containing PFAS analytes only, this flag indicates that an analyte has a concentration below the Minimum Detection Limit (MDL) . The reported concentration is not recommended for regulatory use as the analyte signal may have a signal-to-noise ratio less than the criteria deemed necessary to be considered a detected analyte.
- LOD – Limit of Detection: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOD. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the minimum detection limit (MDL). The LOD is adjusted for sample weight or volume.

- LOQ – Limit of Quantitation: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOQ. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the reporting limit (RL). The LOQ is adjusted for sample weight or volume.
- <LOD() – Analyte was not found at a concentration high enough to be reported as detected. It is reported as less than the LOD, and the LOD is given in the parentheses.
- <LOQ() – Analyte was not found at a concentration high enough to be reported as above the QSM-defined LOQ or TNI defined Reporting Limit. It is reported as less than the LOQ, and the LOQ is given in the parentheses.
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable due to issues observed in sample preparation or analysis.
- PR – The associated congener(s) is(are) poorly resolved.
- QI – Indicates the presence of a quantitative interference.
- RL – Reporting Limit. Lowest reportable value. The level is higher than the MDL.
- SI – Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected.
- V / Q – The labeled standard recovery is not within method control limits.
- X – Indicates the result is from re-injection/repeat/second-column analysis.

Lab Identifiers/ Data Attributes

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Dilution Data. Result was obtained from the analysis of a dilution. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.

General Reporting Notes – Data Qualifiers

- R – Indicates a re-extraction of the sample.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.
- SAT – Indicates an analyte saturated the detector.

PFAS Compound Acronym List			Methods					
Acronym	CAS #	Compound Name	SOP EU047	EPA 1633 (B-24)	EPA 1633X	EPA 537.1	EPA 533	EPA 8327*
Target Analytes								
PFBA	375-22-4	Perfluorobutanoic Acid	X	X	X		X	X
PFPeA	2706-90-3	Perfluoropentanoic Acid	X	X	X		X	X
PFHxA	307-24-4	Perfluorohexanoic Acid	X	X	X	X	X	X
PFHpA	375-85-9	Perfluoroheptanoic Acid	X	X	X	X	X	X
PFOA	335-67-1	Perfluorooctanoic Acid	X	X	X	X	X	X
PFNA	375-95-1	Perfluorononanoic Acid	X	X	X	X	X	X
PFDA	335-76-2	Perfluorodecanoic acid	X	X	X	X	X	X
PFUnA (PFUnDA)	2058-94-8	Perfluoroundecanoic acid	X	X	X	X	X	X
PFDoA (PFDoDA)	307-55-1	Perfluorododecanoic acid	X	X	X	X		X
PFTrDA (PFTriA, PFTrDA)	72629-94-8	Perfluorotridecanoic acid	X	X	X	X		X
PFTeDA (PFTA, PFTreA)	376-06-7	Perfluorotetradecanoic acid	X	X	X	X		X
PFBS	375-73-5	Perfluorobutane sulfonic acid	X	X	X	X	X	X
PFPeS	2706-91-4	Perfluoropentane sulfonic acid	X	X	X		X	X
PFHxS	355-46-4	Perfluorohexane sulfonic acid	X	X	X	X	X	X
PFHpS	375-92-8	Perfluoroheptane sulfonic acid	X	X	X		X	X
PFOS	1763-23-1	Perfluorooctane sulfonic acid	X	X	X	X	X	X
PFNS	68259-12-1	Perfluorononane sulfonic acid	X	X	X			X
PFDS	335-77-3	Perfluorodecane sulfonic acid	X	X	X			X
4:2 FTS	757124-72-4	4:2 fluorotelomer sulfonic acid	X	X	X		X	X
6:2 FTS	27619-97-2	6:2 fluorotelomer sulfonic acid	X	X	X		X	X
8:2 FTS	39108-34-4	8:2 fluorotelomer sulfonic acid	X	X	X		X	X
10:2 FTS	120226-60-0	Fluorotelomer sulfonate 10:2						X
FHxSA	41997-13-1	Perfluorohexanesulfonamide			X			X
PFOSA (FOSA)	754-91-6	Perfluorooctane sulfonamide	X	X	X			X
N-MeFOSAA	2355-31-9	N-methyl perfluorooctane sulfonamido acetic acid	X	X	X	X		X
N-MeFOSA	31506-32-8	N-methylperfluoro-1-octanesulfonamide	X	X	X			X
N-MeFOSE	24448-09-7	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	X	X	X			X
N-EtFOSAA	2991-50-6	N-ethyl perfluorooctane sulfonamido acetic acid	X	X	X	X		X
N-EtFOSA	4151-50-2	N-ethylperfluoro-1-octanesulfonamide	X	X	X			X
N-EtFOSE	1691-99-2	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol	X	X	X			X
HFPO-DA	13252-13-6	Hexafluoropropyleneoxide dimer acid (GenX)	X	X	X	X	X	X
11Cl-PF3OUdS	763051-92-9	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	X	X	X	X	X	X
9Cl-PF3ONS	756426-58-1	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	X	X	X	X	X	X
ADONA	919005-14-4	4,8-dioxa-3H-perfluorononanoic acid	X	X	X	X	X	X
PFEESA	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid		X	X		X	X
PFMOBA (PFMBA)	863090-89-5	Perfluoro-4-methoxybutanoic acid		X	X		X	X
NFDHA	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid		X	X		X	X
PFMOPrA (PFMPA)	377-73-1	Perfluoro-3-methoxypropanoic acid		X	X		X	X
PFPrA	422-64-0	Perfluoropropionic acid, 2,2,3,3,3-Pentafluoropropionic acid			X			
PFPrS (PFPS)	423-41-6	Perfluoropropanesulfonic acid			X			X

PFAS Compound Acronym List			Methods					
Acronym	CAS #	Compound Name	SOP EU047	EPA 1633 (B-24)	EPA 1633X	EPA 537.1	EPA 533	EPA 8327*
PFMOAA	674-13-5	Perfluoro-2-methoxyacetic acid;			X			X
PFO2HxA	39492-88-1	Perfluoro (3,5-dioxahexanoic) acid			X			X
PFO3OA	39492-89-2	Perfluoro (3,5,7-trioxaoctanoic) acid			X			X
PFO4DA	39492-90-5	Perfluoro (3,5,7,9-tetraoxadecanoic) acid			X			X
PFO5DA	39492-91-6	Perfluoro(3,5,7,9,11-pentaoxadodecanoic) acid			X			X
Nafion Byproduct 1 (PS Acid)	29311-67-9	1,1,2,2-tetrafluoro-2-[1,1,1,2,3,3-hexafluoro-3-(1,2,2-trifluoroethenoxy)propan-2-yl]oxyethanesulfonic acid			X			X
Nafion Byproduct 2 (Hydro-PS Acid)	749836-20-2	Perfluoro-2-{[perfluoro-3-(perfluoroethoxy)-2-propanyl]oxy}ethanesulfonic acid (Hydro-PS Acid)			X			X
PEPA	267239-61-2	Perfluoro-2-ethoxypropanoic acid			X			X
PMPA	13140-29-9	Perfluoro-2-methoxypropanoic acid			X			X
PFECA-G, (PFPE-1)	801212-59-9	4-(Heptafluoroisopropoxy)hexafluorobutanoic acid, Perfluoro-4-isopropoxybutanoic acid			X			X
PFHxDA	67905-19-5	Perfluorohexadecanoic acid			X			
R-PSDA (Nafion Byproduct 4)	2416366-18-0	Perfluoro-4-(2-sulfoethoxy)pentanoic acid; 2,2,3,3,4,5,5,5-Octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)pentanoic acid			X			X
Hydrolyzed PSDA (Nafion Byproduct 5)	2416366-19-1	2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]-acetic acid			X			X
R-PSDCA (Nafion Byproduct 6)	2416366-21-5	1,1,2,2-tetrafluoro-2-[1,2,2,3,3-pentafluoro-1-(trifluoromethyl)propoxy] ethanesulfonic acid			X			X
EVE Acid	69087-46-3	2,2,3,3-tetrafluoro-3-({1,1,1,2,3,3-hexafluoro-3-[(1,2,2-trifluoroethenyl)oxy]propan-2-yl}oxy)propionic acid			X			X
FBSA	30334-69-1	Perfluorobutylsulfonamide			X			X
MeFBSA	68298-12-4	1-Butanesulfonamide; (N-(Methyl)nonafluorobutanesulfonamide); 1,1,2,2,3,3,4,4,4-nonafluoro-N-methyl-1-Butanesulfonamide			X			X
Hydro-EVE Acid	773804-62-9	2,2,3,3-Tetrafluoro-3-{[1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl]oxy}propanoic acid			X			X
R-EVE Acid	2416366-22-6	4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-pentanoic acid			X			X
NVHOS	1132933-86-8	Perfluoroethoxysulfonic acid; 1,1,2,2-Tetrafluoro-2-(1,2,2,2-tetrafluoroethoxy)ethane-1-sulfonic acid			X			X

PFAS Compound Acronym List			Methods					
Acronym	CAS #	Compound Name	SOP EU047	EPA 1633 (B-24)	EPA 1633X	EPA 537.1	EPA 533	EPA 8327*
PFDoS	79780-39-5	Perfluorododecane sulfonic acid		X	X			X
PFODA	16517-11-6	Perfluorooctadecanoic acid			X			
3:3 FTCA	356-02-5	2H,2H,3H,3H-Perfluorohexanoic acid		X	X			X
5:3 FTCA	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid		X	X			X
7:3 FTCA	812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid		X	X			X
N-AP-FHxSA	50598-28-2	N-(3-(Dimethylamino)propyl)tridecafluoro-1-hexanesulfonamide			X			X
N-CMAmP-6:2 FOSA	34455-29-3	N-(Carboxymethyl)-N,N-dimethyl-3-(((3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulfonyl)amino)1-propanaminium			X			X
BPAF	1478-61-1	Bisphenol AF			X			X
HQ-115	90076-65-6	Bis(trifluoromethane)sulfonimide lithium salt			X			X

* Accreditation pending

Results

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Summary

	Compound	CAS	M-4 ng/L	M-6 ng/L	M-3 ng/L	M-14 ng/L	M-15 ng/L
Acids	PFOA	335-67-1	<LOQ (1.00) U	4.14	2.88	1.71	1.19
	PFNA	375-95-1	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U
Sulfonates	PFBS	375-73-5	<LOQ (0.998) U	1.71	2.83	1.27	<LOQ (0.998) U
	PFHxS	355-46-4	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U
	PFOS	1763-23-1	<LOQ (1.00) U	1.03	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U
PFECAs	HFPO-DA	13252-13-6	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Summary

	Compound	CAS	M-7 ng/L	R-Blank ng/L	Trip Blank ng/L	M-17DR ng/L	M-17S ng/L
Acids	PFOA	335-67-1	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (0.767) U	<LOQ (1.00) U
	PFNA	375-95-1	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (0.767) U	<LOQ (1.00) U
Sulfonates	PFBS	375-73-5	<LOQ (0.993) U	<LOQ (0.993) U	<LOQ (0.994) U	3.06	4.28
	PFHxS	355-46-4	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (0.767) U	<LOQ (1.00) U
	PFOS	1763-23-1	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (0.767) U	<LOQ (1.00) U
PFECAs	HFPO-DA	13252-13-6	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (0.767) U	<LOQ (1.00) U

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Summary

	Compound	CAS	M-23 ng/L	M-12 ng/L	M-22 ng/L	M-19 ng/L	Rinse Blank (1) ng/L
Acids	PFOA	335-67-1	2.26	4.54	5.95	9.19	<LOQ (0.671) U
	PFNA	375-95-1	<LOQ (0.756) U	<LOQ (1.00) U	<LOQ (1.00) U	1.47	<LOQ (0.671) U
Sulfonates	PFBS	375-73-5	2.50	1.88	1.68	3.87	<LOQ (0.674) U
	PFHxS	355-46-4	<LOQ (0.756) U	1.11	4.80	1.77	<LOQ (0.671) U
	PFOS	1763-23-1	1.55	2.59	6.20	10.3	<LOQ (0.671) U
PFECAs	HFPO-DA	13252-13-6	<LOQ (0.756) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (0.671) U

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Summary

	Compound	CAS	Trip Blank (1) ng/L	M-21 ng/L	M-11D ng/L	M-11S ng/L	MW-A ng/L
Acids	PFOA	335-67-1	<LOQ (1.00) U	4.85	10.4	12.3	111
	PFNA	375-95-1	<LOQ (1.00) U	1.10	1.03	0.868	3.84
Sulfonates	PFBS	375-73-5	<LOQ (0.998) U	1.56	1.73	1.83	9.34
	PFHxS	355-46-4	<LOQ (1.00) U	3.69	6.44	9.27	5.35
	PFOS	1763-23-1	<LOQ (1.00) U	4.98	21.8	5.77	9.58
PFECAs	HFPO-DA	13252-13-6	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (1.00) U	<LOQ (0.761) U	<LOQ (0.710) U

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-4		
Sampling Site			
Enthalpy ID	0126-757-001-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 09:31	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 03:12	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170312	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01170312	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170312	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170312	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170312	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170312				40-130%	89.8%	
	13C9-PFNA		J160126-01170312				40-130%	104%	
	13C3-PFHxS		J160126-01170312				40-130%	97.6%	
	13C8-PFOS		J160126-01170312				40-130%	95.2%	
	13C3-HFPO-DA		J160126-01170312				40-130%	101%	
JS	13C2-PFHxA		J160126-01170312				50-200%	124%	
	13C4-PFOA		J160126-01170312				50-200%	137%	
	13C5-PFNA		J160126-01170312				50-200%	137%	
	18O2-PFHxS		J160126-01170312				50-200%	135%	
	13C4-PFOS		J160126-01170312				50-200%	138%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-4		
Sampling Site			
Enthalpy ID	0126-757-001-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 09:31	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.21
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 21:00	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212100	<LOQ (0.998)	0.832	0.998			U
ES	13C3-PFBS		J210126-01212100				40-135%	89.9%	
JS	18O2-PFHxS		J210126-01212100				50-200%	96.5%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-6		
Sampling Site			
Enthalpy ID	0126-757-002-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 10:20	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 03:24	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170324	4.14	0.833	1.00			
	PFNA	375-95-1	J160126-01170324	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170324	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170324	1.03	0.833	1.00			
PFECAs	HFPO-DA	13252-13-6	J160126-01170324	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170324				40-130%	80.8%	
	13C9-PFNA		J160126-01170324				40-130%	89.9%	
	13C3-PFHxS		J160126-01170324				40-130%	94.7%	
	13C8-PFOS		J160126-01170324				40-130%	95.4%	
	13C3-HFPO-DA		J160126-01170324				40-130%	97.3%	
JS	13C2-PFHxA		J160126-01170324				50-200%	118%	
	13C4-PFOA		J160126-01170324				50-200%	136%	
	13C5-PFNA		J160126-01170324				50-200%	134%	
	18O2-PFHxS		J160126-01170324				50-200%	132%	
	13C4-PFOS		J160126-01170324				50-200%	131%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-6		
Sampling Site			
Enthalpy ID	0126-757-002-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 10:20	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.18
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 21:13	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212113	1.71	0.832	0.999			
ES	13C3-PFBS		J210126-01212113				40-135%	85.5%	
JS	18O2-PFHxS		J210126-01212113				50-200%	96.1%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-3		
Sampling Site			
Enthalpy ID	0126-757-003-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 11:01	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 03:37	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-0117037	2.88	0.833	1.00			
	PFNA	375-95-1	J160126-0117037	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-0117037	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-0117037	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-0117037	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-0117037				40-130%	85.0%	
	13C9-PFNA		J160126-0117037				40-130%	98.2%	
	13C3-PFHxS		J160126-0117037				40-130%	93.7%	
	13C8-PFOS		J160126-0117037				40-130%	90.3%	
	13C3-HFPO-DA		J160126-0117037				40-130%	103%	
JS	13C2-PFHxA		J160126-0117037				50-200%	120%	
	13C4-PFOA		J160126-0117037				50-200%	136%	
	13C5-PFNA		J160126-0117037				50-200%	140%	
	18O2-PFHxS		J160126-0117037				50-200%	130%	
	13C4-PFOS		J160126-0117037				50-200%	134%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-3		
Sampling Site			
Enthalpy ID	0126-757-003-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 11:01	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.52
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 21:25	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212125	2.83	0.830	0.996			
ES	13C3-PFBS		J210126-01212125				40-135%	80.1%	
JS	18O2-PFHxS		J210126-01212125				50-200%	102%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-14		
Sampling Site			
Enthalpy ID	0126-757-004-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 11:48	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 03:50	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170350	1.71	0.833	1.00			
	PFNA	375-95-1	J160126-01170350	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170350	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170350	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170350	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170350				40-130%	89.1%	
	13C9-PFNA		J160126-01170350				40-130%	94.9%	
	13C3-PFHxS		J160126-01170350				40-130%	95.4%	
	13C8-PFOS		J160126-01170350				40-130%	94.2%	
	13C3-HFPO-DA		J160126-01170350				40-130%	100%	
JS	13C2-PFHxA		J160126-01170350				50-200%	105%	
	13C4-PFOA		J160126-01170350				50-200%	122%	
	13C5-PFNA		J160126-01170350				50-200%	131%	
	18O2-PFHxS		J160126-01170350				50-200%	126%	
	13C4-PFOS		J160126-01170350				50-200%	121%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-14		
Sampling Site			
Enthalpy ID	0126-757-004-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 11:48	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.93
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 21:38	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212138	1.27	0.827	0.992			
ES	13C3-PFBS		J210126-01212138				40-135%	90.6%	
JS	18O2-PFHxS		J210126-01212138				50-200%	95.3%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-15		
Sampling Site			
Enthalpy ID	0126-757-005-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 12:29	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 04:02	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170402	1.19	0.833	1.00			
	PFNA	375-95-1	J160126-01170402	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170402	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170402	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170402	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170402				40-130%	86.7%	
	13C9-PFNA		J160126-01170402				40-130%	90.8%	
	13C3-PFHxS		J160126-01170402				40-130%	93.0%	
	13C8-PFOS		J160126-01170402				40-130%	91.2%	
	13C3-HFPO-DA		J160126-01170402				40-130%	105%	
JS	13C2-PFHxA		J160126-01170402				50-200%	117%	
	13C4-PFOA		J160126-01170402				50-200%	127%	
	13C5-PFNA		J160126-01170402				50-200%	132%	
	18O2-PFHxS		J160126-01170402				50-200%	127%	
	13C4-PFOS		J160126-01170402				50-200%	129%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-15		
Sampling Site			
Enthalpy ID	0126-757-005-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 12:29	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.19
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 21:51	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212151	<LOQ (0.998)	0.832	0.998			U
ES	13C3-PFBS		J210126-01212151				40-135%	81.7%	
JS	18O2-PFHxS		J210126-01212151				50-200%	104%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-7		
Sampling Site			
Enthalpy ID	0126-757-006-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 13:12	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 04:15	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170415	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01170415	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170415	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170415	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170415	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170415				40-130%	73.6%	
	13C9-PFNA		J160126-01170415				40-130%	79.4%	
	13C3-PFHxS		J160126-01170415				40-130%	80.0%	
	13C8-PFOS		J160126-01170415				40-130%	71.3%	
	13C3-HFPO-DA		J160126-01170415				40-130%	82.8%	
JS	13C2-PFHxA		J160126-01170415				50-200%	118%	
	13C4-PFOA		J160126-01170415				50-200%	124%	
	13C5-PFNA		J160126-01170415				50-200%	135%	
	18O2-PFHxS		J160126-01170415				50-200%	126%	
	13C4-PFOS		J160126-01170415				50-200%	126%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-7		
Sampling Site			
Enthalpy ID	0126-757-006-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 13:12	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.79
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 22:03	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212203	<LOQ (0.993)	0.828	0.993			U
ES	13C3-PFBS		J210126-01212203				40-135%	80.2%	
JS	18O2-PFHxS		J210126-01212203				50-200%	99.1%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	R-Blank		
Sampling Site			
Enthalpy ID	0126-757-007-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 13:35	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 04:28	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170428	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01170428	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170428	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170428	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170428	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170428				40-130%	92.7%	
	13C9-PFNA		J160126-01170428				40-130%	89.9%	
	13C3-PFHxS		J160126-01170428				40-130%	102%	
	13C8-PFOS		J160126-01170428				40-130%	90.0%	
	13C3-HFPO-DA		J160126-01170428				40-130%	102%	
JS	13C2-PFHxA		J160126-01170428				50-200%	114%	
	13C4-PFOA		J160126-01170428				50-200%	121%	
	13C5-PFNA		J160126-01170428				50-200%	141%	
	18O2-PFHxS		J160126-01170428				50-200%	128%	
	13C4-PFOS		J160126-01170428				50-200%	121%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	R-Blank		
Sampling Site			
Enthalpy ID	0126-757-007-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 13:35	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.82
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 22:16	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212216	<LOQ (0.993)	0.828	0.993			U
ES	13C3-PFBS		J210126-01212216				40-135%	91.1%	
JS	18O2-PFHxS		J210126-01212216				50-200%	103%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Trip Blank		
Sampling Site			
Enthalpy ID	0126-757-008-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 00:00	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 04:40	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170440	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01170440	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170440	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170440	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170440	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170440				40-130%	83.4%	
	13C9-PFNA		J160126-01170440				40-130%	85.6%	
	13C3-PFHxS		J160126-01170440				40-130%	96.0%	
	13C8-PFOS		J160126-01170440				40-130%	92.1%	
	13C3-HFPO-DA		J160126-01170440				40-130%	103%	
JS	13C2-PFHxA		J160126-01170440				50-200%	119%	
	13C4-PFOA		J160126-01170440				50-200%	131%	
	13C5-PFNA		J160126-01170440				50-200%	136%	
	18O2-PFHxS		J160126-01170440				50-200%	135%	
	13C4-PFOS		J160126-01170440				50-200%	132%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Trip Blank		
Sampling Site			
Enthalpy ID	0126-757-008-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-05 00:00	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.69
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 22:29	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212229	<LOQ (0.994)	0.829	0.994			U
ES	13C3-PFBS		J210126-01212229				40-135%	92.6%	
JS	18O2-PFHxS		J210126-01212229				50-200%	97.8%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-17DR		
Sampling Site			
Enthalpy ID	0126-757-009-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 08:52	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	156.55
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 04:53	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170453	<LOQ (0.767)	0.639	0.767			U
	PFNA	375-95-1	J160126-01170453	<LOQ (0.767)	0.639	0.767			U
Sulfonates	PFHxS	355-46-4	J160126-01170453	<LOQ (0.767)	0.639	0.767			U
	PFOS	1763-23-1	J160126-01170453	<LOQ (0.767)	0.639	0.767			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170453	<LOQ (0.767)	0.639	0.767			U
ES	13C8-PFOA		J160126-01170453				40-130%	91.0%	
	13C9-PFNA		J160126-01170453				40-130%	89.5%	
	13C3-PFHxS		J160126-01170453				40-130%	93.8%	
	13C8-PFOS		J160126-01170453				40-130%	83.4%	
	13C3-HFPO-DA		J160126-01170453				40-130%	91.9%	
JS	13C2-PFHxA		J160126-01170453				50-200%	112%	
	13C4-PFOA		J160126-01170453				50-200%	109%	
	13C5-PFNA		J160126-01170453				50-200%	124%	
	18O2-PFHxS		J160126-01170453				50-200%	125%	
	13C4-PFOS		J160126-01170453				50-200%	134%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-17DR		
Sampling Site			
Enthalpy ID	0126-757-009-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 08:52	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	158.01
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 22:41	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212241	3.06	0.633	0.759			
ES	13C3-PFBS		J210126-01212241				40-135%	84.9%	
JS	18O2-PFHxS		J210126-01212241				50-200%	102%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-17S		
Sampling Site			
Enthalpy ID	0126-757-010-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 09:27	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 05:06	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170506	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01170506	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170506	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170506	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170506	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170506				40-130%	72.5%	
	13C9-PFNA		J160126-01170506				40-130%	78.3%	
	13C3-PFHxS		J160126-01170506				40-130%	85.4%	
	13C8-PFOS		J160126-01170506				40-130%	77.6%	
	13C3-HFPO-DA		J160126-01170506				40-130%	88.6%	
JS	13C2-PFHxA		J160126-01170506				50-200%	112%	
	13C4-PFOA		J160126-01170506				50-200%	127%	
	13C5-PFNA		J160126-01170506				50-200%	125%	
	18O2-PFHxS		J160126-01170506				50-200%	122%	
	13C4-PFOS		J160126-01170506				50-200%	126%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-17S		
Sampling Site			
Enthalpy ID	0126-757-010-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 09:27	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.47
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 22:54	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212254	4.28	0.830	0.996			
ES	13C3-PFBS		J210126-01212254				40-135%	84.5%	
JS	18O2-PFHxS		J210126-01212254				50-200%	103%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-23		
Sampling Site			
Enthalpy ID	0126-757-011-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 10:18	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	158.72
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 05:44	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170544	2.26	0.630	0.756			
	PFNA	375-95-1	J160126-01170544	<LOQ (0.756)	0.630	0.756			U
Sulfonates	PFHxS	355-46-4	J160126-01170544	<LOQ (0.756)	0.630	0.756			U
	PFOS	1763-23-1	J160126-01170544	1.55	0.630	0.756			
PFECAs	HFPO-DA	13252-13-6	J160126-01170544	<LOQ (0.756)	0.630	0.756			U
ES	13C8-PFOA		J160126-01170544				40-130%	93.6%	
	13C9-PFNA		J160126-01170544				40-130%	85.1%	
	13C3-PFHxS		J160126-01170544				40-130%	92.9%	
	13C8-PFOS		J160126-01170544				40-130%	91.6%	
	13C3-HFPO-DA		J160126-01170544				40-130%	96.9%	
JS	13C2-PFHxA		J160126-01170544				50-200%	134%	
	13C4-PFOA		J160126-01170544				50-200%	142%	
	13C5-PFNA		J160126-01170544				50-200%	157%	
	18O2-PFHxS		J160126-01170544				50-200%	149%	
	13C4-PFOS		J160126-01170544				50-200%	142%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-23		
Sampling Site			
Enthalpy ID	0126-757-011-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 10:18	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	161.65
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 23:32	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212332	2.50	0.619	0.742			
ES	13C3-PFBS		J210126-01212332				40-135%	91.3%	
JS	18O2-PFHxS		J210126-01212332				50-200%	92.7%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-12		
Sampling Site			
Enthalpy ID	0126-757-012-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 11:02	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 05:56	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170556	4.54	0.833	1.00			
	PFNA	375-95-1	J160126-01170556	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170556	1.11	0.833	1.00			
	PFOS	1763-23-1	J160126-01170556	2.59	0.833	1.00			
PFECAs	HFPO-DA	13252-13-6	J160126-01170556	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170556				40-130%	79.4%	
	13C9-PFNA		J160126-01170556				40-130%	75.6%	
	13C3-PFHxS		J160126-01170556				40-130%	79.3%	
	13C8-PFOS		J160126-01170556				40-130%	75.3%	
	13C3-HFPO-DA		J160126-01170556				40-130%	87.8%	
JS	13C2-PFHxA		J160126-01170556				50-200%	119%	
	13C4-PFOA		J160126-01170556				50-200%	129%	
	13C5-PFNA		J160126-01170556				50-200%	133%	
	18O2-PFHxS		J160126-01170556				50-200%	126%	
	13C4-PFOS		J160126-01170556				50-200%	130%	

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-12		
Sampling Site			
Enthalpy ID	0126-757-012-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 11:02	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.66
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 23:44	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212344	1.88	0.829	0.995			
ES	13C3-PFBS		J210126-01212344				40-135%	85.2%	
JS	18O2-PFHxS		J210126-01212344				50-200%	95.9%	

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Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-22		
Sampling Site			
Enthalpy ID	0126-757-013-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 11:53	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 06:09	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170609	5.95	0.833	1.00			
	PFNA	375-95-1	J160126-01170609	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170609	4.80	0.833	1.00			
	PFOS	1763-23-1	J160126-01170609	6.20	0.833	1.00			
PFECAs	HFPO-DA	13252-13-6	J160126-01170609	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170609				40-130%	89.7%	
	13C9-PFNA		J160126-01170609				40-130%	84.7%	
	13C3-PFHxS		J160126-01170609				40-130%	93.6%	
	13C8-PFOS		J160126-01170609				40-130%	92.5%	
	13C3-HFPO-DA		J160126-01170609				40-130%	107%	
JS	13C2-PFHxA		J160126-01170609				50-200%	107%	
	13C4-PFOA		J160126-01170609				50-200%	125%	
	13C5-PFNA		J160126-01170609				50-200%	138%	
	18O2-PFHxS		J160126-01170609				50-200%	129%	
	13C4-PFOS		J160126-01170609				50-200%	131%	

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-22		
Sampling Site			
Enthalpy ID	0126-757-013-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 11:53	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.77
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 23:57	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01212357	1.68	0.828	0.994			
ES	13C3-PFBS		J210126-01212357				40-135%	76.1%	
JS	18O2-PFHxS		J210126-01212357				50-200%	95.3%	

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-19		
Sampling Site			
Enthalpy ID	0126-757-014-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 12:43	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 06:22	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170622	9.19	0.833	1.00			
	PFNA	375-95-1	J160126-01170622	1.47	0.833	1.00			
Sulfonates	PFHxS	355-46-4	J160126-01170622	1.77	0.833	1.00			
	PFOS	1763-23-1	J160126-01170622	10.3	0.833	1.00			
PFECAs	HFPO-DA	13252-13-6	J160126-01170622	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170622				40-130%	98.2%	
	13C9-PFNA		J160126-01170622				40-130%	91.9%	
	13C3-PFHxS		J160126-01170622				40-130%	98.0%	
	13C8-PFOS		J160126-01170622				40-130%	88.3%	
	13C3-HFPO-DA		J160126-01170622				40-130%	111%	
JS	13C2-PFHxA		J160126-01170622				50-200%	109%	
	13C4-PFOA		J160126-01170622				50-200%	115%	
	13C5-PFNA		J160126-01170622				50-200%	131%	
	18O2-PFHxS		J160126-01170622				50-200%	126%	
	13C4-PFOS		J160126-01170622				50-200%	129%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-19		
Sampling Site			
Enthalpy ID	0126-757-014-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 12:43	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.24
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-22 00:10	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01220010	3.87	0.832	0.998			
ES	13C3-PFBS		J210126-01220010				40-135%	92.4%	
JS	18O2-PFHxS		J210126-01220010				50-200%	86.2%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Rinse Blank (1)		
Sampling Site			
Enthalpy ID	0126-757-015-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 13:10	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	178.87
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 06:34	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170634	<LOQ (0.671)	0.559	0.671			U
	PFNA	375-95-1	J160126-01170634	<LOQ (0.671)	0.559	0.671			U
Sulfonates	PFHxS	355-46-4	J160126-01170634	<LOQ (0.671)	0.559	0.671			U
	PFOS	1763-23-1	J160126-01170634	<LOQ (0.671)	0.559	0.671			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170634	<LOQ (0.671)	0.559	0.671			U
ES	13C8-PFOA		J160126-01170634				40-130%	86.7%	
	13C9-PFNA		J160126-01170634				40-130%	99.5%	
	13C3-PFHxS		J160126-01170634				40-130%	101%	
	13C8-PFOS		J160126-01170634				40-130%	93.1%	
	13C3-HFPO-DA		J160126-01170634				40-130%	104%	
JS	13C2-PFHxA		J160126-01170634				50-200%	109%	
	13C4-PFOA		J160126-01170634				50-200%	123%	
	13C5-PFNA		J160126-01170634				50-200%	123%	
	18O2-PFHxS		J160126-01170634				50-200%	124%	
	13C4-PFOS		J160126-01170634				50-200%	111%	

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Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Rinse Blank (1)		
Sampling Site			
Enthalpy ID	0126-757-015-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 13:10	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	178
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-22 00:22	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01220022	<LOQ (0.674)	0.562	0.674			U
ES	13C3-PFBS		J210126-01220022				40-135%	85.0%	
JS	18O2-PFHxS		J210126-01220022				50-200%	91.8%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Trip Blank (1)		
Sampling Site			
Enthalpy ID	0126-757-016-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 00:00	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 06:47	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170647	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01170647	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170647	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170647	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170647	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170647				40-130%	84.9%	
	13C9-PFNA		J160126-01170647				40-130%	89.2%	
	13C3-PFHxS		J160126-01170647				40-130%	94.8%	
	13C8-PFOS		J160126-01170647				40-130%	95.5%	
	13C3-HFPO-DA		J160126-01170647				40-130%	95.4%	
JS	13C2-PFHxA		J160126-01170647				50-200%	123%	
	13C4-PFOA		J160126-01170647				50-200%	138%	
	13C5-PFNA		J160126-01170647				50-200%	144%	
	18O2-PFHxS		J160126-01170647				50-200%	136%	
	13C4-PFOS		J160126-01170647				50-200%	139%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Trip Blank (1)		
Sampling Site			
Enthalpy ID	0126-757-016-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-06 00:00	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.28
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-22 00:35	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01220035	<LOQ (0.998)	0.831	0.998			U
ES	13C3-PFBS		J210126-01220035				40-135%	83.1%	
JS	18O2-PFHxS		J210126-01220035				50-200%	91.3%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-21		
Sampling Site			
Enthalpy ID	0126-757-017-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 09:19	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 07:00	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170700	4.85	0.833	1.00			
	PFNA	375-95-1	J160126-01170700	1.10	0.833	1.00			
Sulfonates	PFHxS	355-46-4	J160126-01170700	3.69	0.833	1.00			
	PFOS	1763-23-1	J160126-01170700	4.98	0.833	1.00			
PFECAs	HFPO-DA	13252-13-6	J160126-01170700	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170700				40-130%	82.8%	
	13C9-PFNA		J160126-01170700				40-130%	81.8%	
	13C3-PFHxS		J160126-01170700				40-130%	92.9%	
	13C8-PFOS		J160126-01170700				40-130%	90.7%	
	13C3-HFPO-DA		J160126-01170700				40-130%	96.2%	
JS	13C2-PFHxA		J160126-01170700				50-200%	107%	
	13C4-PFOA		J160126-01170700				50-200%	111%	
	13C5-PFNA		J160126-01170700				50-200%	128%	
	18O2-PFHxS		J160126-01170700				50-200%	125%	
	13C4-PFOS		J160126-01170700				50-200%	122%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-21		
Sampling Site			
Enthalpy ID	0126-757-017-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 09:19	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.97
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-22 00:48	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01220048	1.56	0.827	0.992			
ES	13C3-PFBS		J210126-01220048				40-135%	92.3%	
JS	18O2-PFHxS		J210126-01220048				50-200%	86.0%	

Enthalpy Analytical

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-11D		
Sampling Site			
Enthalpy ID	0126-757-018-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 10:05	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 07:12	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170712	10.4	0.833	1.00			
	PFNA	375-95-1	J160126-01170712	1.03	0.833	1.00			
Sulfonates	PFHxS	355-46-4	J160126-01170712	6.44	0.833	1.00			
	PFOS	1763-23-1	J160126-01170712	21.8	0.833	1.00			
PFECAs	HFPO-DA	13252-13-6	J160126-01170712	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170712				40-130%	79.9%	
	13C9-PFNA		J160126-01170712				40-130%	84.6%	
	13C3-PFHxS		J160126-01170712				40-130%	91.0%	
	13C8-PFOS		J160126-01170712				40-130%	80.4%	
	13C3-HFPO-DA		J160126-01170712				40-130%	97.4%	
JS	13C2-PFHxA		J160126-01170712				50-200%	112%	
	13C4-PFOA		J160126-01170712				50-200%	117%	
	13C5-PFNA		J160126-01170712				50-200%	127%	
	18O2-PFHxS		J160126-01170712				50-200%	120%	
	13C4-PFOS		J160126-01170712				50-200%	126%	

Enthalpy Analytical

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-11D		
Sampling Site			
Enthalpy ID	0126-757-018-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 10:05	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.3
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-22 01:00	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01220100	1.73	0.831	0.998			
ES	13C3-PFBS		J210126-01220100				40-135%	86.0%	
JS	18O2-PFHxS		J210126-01220100				50-200%	93.4%	

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-11S		
Sampling Site			
Enthalpy ID	0126-757-019-1	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 10:42	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	157.74
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 07:25	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170725	12.3	0.634	0.761			
	PFNA	375-95-1	J160126-01170725	0.868	0.634	0.761			
Sulfonates	PFHxS	355-46-4	J160126-01170725	9.27	0.634	0.761			
	PFOS	1763-23-1	J160126-01170725	5.77	0.634	0.761			
PFECAs	HFPO-DA	13252-13-6	J160126-01170725	<LOQ (0.761)	0.634	0.761			U
ES	13C8-PFOA		J160126-01170725				40-130%	84.3%	
	13C9-PFNA		J160126-01170725				40-130%	85.0%	
	13C3-PFHxS		J160126-01170725				40-130%	84.9%	
	13C8-PFOS		J160126-01170725				40-130%	83.1%	
	13C3-HFPO-DA		J160126-01170725				40-130%	90.7%	
JS	13C2-PFHxA		J160126-01170725				50-200%	108%	
	13C4-PFOA		J160126-01170725				50-200%	119%	
	13C5-PFNA		J160126-01170725				50-200%	130%	
	18O2-PFHxS		J160126-01170725				50-200%	129%	
	13C4-PFOS		J160126-01170725				50-200%	122%	

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-11S		
Sampling Site			
Enthalpy ID	0126-757-019-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 10:42	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	156.9
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-22 01:13	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Sulfonates	PFBS	375-73-5	J210126-01220113	1.83	0.637	0.765			
ES	13C3-PFBS		J210126-01220113				40-135%	82.9%	
JS	18O2-PFHxS		J210126-01220113				50-200%	95.6%	

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	MW-A		
Sampling Site			
Enthalpy ID	0126-757-020-1A	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 11:25	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	168.9
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-22 01:26	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	B		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J210126-01220126	111	0.592	0.710			
	PFNA	375-95-1	J210126-01220126	3.84	0.592	0.710			
Sulfonates	PFBS	375-73-5	J210126-01220126	9.34	0.592	0.710			
	PFHxS	355-46-4	J210126-01220126	5.35	0.592	0.710			
	PFOS	1763-23-1	J210126-01220126	9.58	0.592	0.710			
PFECAs	HFPO-DA	13252-13-6	J210126-01220126	<LOQ (0.710)	0.592	0.710			U
ES	13C8-PFOA		J210126-01220126				40-130%	93.8%	
	13C9-PFNA		J210126-01220126				40-130%	86.5%	
	13C3-PFBS		J210126-01220126				40-135%	84.2%	
	13C3-PFHxS		J210126-01220126				40-130%	90.9%	
	13C3-HFPO-DA		J210126-01220126				40-130%	97.0%	
JS	13C2-PFHxA		J210126-01220126				50-200%	91.8%	
	13C4-PFOA		J210126-01220126				50-200%	83.0%	
	13C5-PFNA		J210126-01220126				50-200%	92.0%	
	18O2-PFHxS		J210126-01220126				50-200%	96.6%	
	13C4-PFOS		J210126-01220126				50-200%	94.8%	

QC Data

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	MB_119765_PFAS		
Sampling Site			
Enthalpy ID	MB_119765_PFAS	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 02:34	Split Factor	N/A
SampleType	Blank	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170234	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01170234	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFHxS	355-46-4	J160126-01170234	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01170234	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170234	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01170234				40-130%	91.3%	
	13C9-PFNA		J160126-01170234				40-130%	86.3%	
	13C3-PFHxS		J160126-01170234				40-130%	90.5%	
	13C8-PFOS		J160126-01170234				40-130%	85.6%	
	13C3-HFPO-DA		J160126-01170234				40-130%	92.2%	
JS	13C2-PFHxA		J160126-01170234				50-200%	144%	
	13C4-PFOA		J160126-01170234				50-200%	145%	
	13C5-PFNA		J160126-01170234				50-200%	159%	
	18O2-PFHxS		J160126-01170234				50-200%	155%	
	13C4-PFOS		J160126-01170234				50-200%	163%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	MB_119809_PFAS		
Sampling Site			
Enthalpy ID	MB_119809_PFAS	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 20:22	Split Factor	N/A
SampleType	Blank	Method Code	AQ-067/068

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J210126-01212022	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J210126-01212022	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFBS	375-73-5	J210126-01212022	<LOQ (1.00)	0.833	1.00			U
	PFHxS	355-46-4	J210126-01212022	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J210126-01212022	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J210126-01212022	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J210126-01212022				40-130%	77.7%	
	13C9-PFNA		J210126-01212022				40-130%	83.4%	
	13C3-PFBS		J210126-01212022				40-135%	87.9%	
	13C3-PFHxS		J210126-01212022				40-130%	86.2%	
	13C3-HFPO-DA		J210126-01212022				40-130%	104%	
JS	13C2-PFHxA		J210126-01212022				50-200%	96.7%	
	13C4-PFOA		J210126-01212022				50-200%	105%	
	13C5-PFNA		J210126-01212022				50-200%	106%	
	18O2-PFHxS		J210126-01212022				50-200%	106%	
	13C4-PFOS		J210126-01212022				50-200%	112%	

Enthalpy Analytical

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	LLOPR_119765_PFAS		
Sampling Site			
Enthalpy ID	LLOPR_119765_PFAS	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 02:47	Split Factor	N/A
SampleType	Control	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J190126-01192126	2.19	0.833	1.00	70-150%	131%	
	PFNA	375-95-1	J160126-01170247	1.99	0.833	1.00	70-150%	119%	
Sulfonates	PFHxS	355-46-4	J160126-01170247	1.94	0.833	1.00	65-145%	116%	
	PFOS	1763-23-1	J160126-01170247	1.80	0.833	1.00	55-150%	108%	
PFECAs	HFPO-DA	13252-13-6	J160126-01170247	1.76	0.833	1.00	70-140%	106%	
ES	13C8-PFOA		J190126-01192126				40-130%	41.8%	
	13C9-PFNA		J160126-01170247				40-130%	40.8%	
	13C3-PFHxS		J160126-01170247				40-130%	42.5%	
	13C8-PFOS		J160126-01170247				40-130%	40.8%	
	13C3-HFPO-DA		J160126-01170247				40-130%	46.3%	
JS	13C2-PFHxA		J160126-01170247				50-200%	110%	
	13C4-PFOA		J190126-01192126				50-200%	113%	
	13C5-PFNA		J160126-01170247				50-200%	130%	
	18O2-PFHxS		J160126-01170247				50-200%	117%	
	13C4-PFOS		J160126-01170247				50-200%	125%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	LLOPR_119809_PFAS		
Sampling Site			
Enthalpy ID	LLOPR_119809_PFAS	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 20:35	Split Factor	N/A
SampleType	Control	Method Code	AQ-067/068

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J210126-01212035	2.07	0.833	1.00	70-150%	124%	
	PFNA	375-95-1	J210126-01212035	2.09	0.833	1.00	70-150%	126%	
Sulfonates	PFBS	375-73-5	J210126-01212035	1.99	0.833	1.00	60-145%	119%	
	PFHxS	355-46-4	J210126-01212035	1.87	0.833	1.00	65-145%	112%	
	PFOS	1763-23-1	J210126-01212035	1.91	0.833	1.00	55-150%	114%	
PFECAs	HFPO-DA	13252-13-6	J210126-01212035	1.71	0.833	1.00	70-140%	102%	
ES	13C8-PFOA		J210126-01212035				40-130%	90.2%	
	13C9-PFNA		J210126-01212035				40-130%	84.7%	
	13C3-PFBS		J210126-01212035				40-135%	85.8%	
	13C3-PFHxS		J210126-01212035				40-130%	85.9%	
	13C3-HFPO-DA		J210126-01212035				40-130%	101%	
JS	13C2-PFHxA		J210126-01212035				50-200%	102%	
	13C4-PFOA		J210126-01212035				50-200%	101%	
	13C5-PFNA		J210126-01212035				50-200%	103%	
	18O2-PFHxS		J210126-01212035				50-200%	110%	
	13C4-PFOS		J210126-01212035				50-200%	107%	

Enthalpy Analytical

Job No.: 0126-757-1 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	OPR_119765_PFAS		
Sampling Site			
Enthalpy ID	OPR_119765_PFAS	Prep Batch	EU119765
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-16 10:26	Extract Vol mL	4
AnalysisDate	2026-01-17 02:59	Split Factor	N/A
SampleType	Control	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170259	17.4	0.833	1.00	70-150%	105%	
	PFNA	375-95-1	J160126-01170259	18.6	0.833	1.00	70-150%	112%	
Sulfonates	PFHxS	355-46-4	J160126-01170259	17.1	0.833	1.00	65-145%	103%	
	PFOS	1763-23-1	J160126-01170259	18.5	0.833	1.00	55-150%	111%	
PFECAs	HFPO-DA	13252-13-6	J160126-01170259	17.9	0.833	1.00	70-140%	107%	
ES	13C8-PFOA		J160126-01170259				40-130%	92.9%	
	13C9-PFNA		J160126-01170259				40-130%	98.7%	
	13C3-PFHxS		J160126-01170259				40-130%	101%	
	13C8-PFOS		J160126-01170259				40-130%	90.4%	
	13C3-HFPO-DA		J160126-01170259				40-130%	102%	
JS	13C2-PFHxA		J160126-01170259				50-200%	130%	
	13C4-PFOA		J160126-01170259				50-200%	134%	
	13C5-PFNA		J160126-01170259				50-200%	134%	
	18O2-PFHxS		J160126-01170259				50-200%	143%	
	13C4-PFOS		J160126-01170259				50-200%	143%	

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	OPR_119809_PFAS		
Sampling Site			
Enthalpy ID	OPR_119809_PFAS	Prep Batch	EU119809
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-21 10:39	Extract Vol mL	4
AnalysisDate	2026-01-21 20:48	Split Factor	N/A
SampleType	Control	Method Code	AQ-067/068

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J210126-0121204S	21.8	0.833	1.00	70-150%	131%	
	PFNA	375-95-1	J210126-0121204S	22.4	0.833	1.00	70-150%	134%	
Sulfonates	PFBS	375-73-5	J210126-0121204S	21.4	0.833	1.00	60-145%	128%	
	PFHxS	355-46-4	J210126-0121204S	18.2	0.833	1.00	65-145%	109%	
	PFOS	1763-23-1	J210126-0121204S	20.7	0.833	1.00	55-150%	124%	
PFECAs	HFPO-DA	13252-13-6	J210126-0121204S	20.2	0.833	1.00	70-140%	121%	
ES	13C8-PFOA		J210126-0121204S				40-130%	80.0%	
	13C9-PFNA		J210126-0121204S				40-130%	83.9%	
	13C3-PFBS		J210126-0121204S				40-135%	83.8%	
	13C3-PFHxS		J210126-0121204S				40-130%	83.1%	
	13C3-HFPO-DA		J210126-0121204S				40-130%	97.2%	
JS	13C2-PFHxA		J210126-0121204S				50-200%	102%	
	13C4-PFOA		J210126-0121204S				50-200%	104%	
	13C5-PFNA		J210126-0121204S				50-200%	98.0%	
	18O2-PFHxS		J210126-0121204S				50-200%	110%	
	13C4-PFOS		J210126-0121204S				50-200%	111%	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Maryland Environmental Service
Job No.	0126-757-2
Client ID.	2531-1401 Site: Northern Landfill (Northern)

1. Custody

Lilli Stanley received the samples at 4.6 °C after being relinquished by Maryland Environmental Service.

The samples were received in good condition. Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.

Table 1 - Sample Inventory

EU Lab Sample ID	Client Sample ID	Matrix	Received
0126-757-021-1	MW-A dup	Aqueous	2026-01-12
0126-757-022-1	MW-B	Aqueous	2026-01-12
0126-757-023-1	M-18	Aqueous	2026-01-12
0126-757-024-1	Rinse Blank (2)	Aqueous	2026-01-12
0126-757-025-1	Trip Blank (2)	Aqueous	2026-01-12
0126-757-026-1	SW-1	Aqueous	2026-01-12
0126-757-027-1	SW-2	Aqueous	2026-01-12
0126-757-028-1	Leachate	Aqueous	2026-01-12
0126-757-029-1	M-24D	Aqueous	2026-01-12
0126-757-030-1	M-24D Dup	Aqueous	2026-01-12
0126-757-031-1	M-8	Aqueous	2026-01-12
0126-757-032-1	M-9S	Aqueous	2026-01-12
0126-757-033-1	Rinse Blank (3)	Aqueous	2026-01-12
0126-757-034-1	Trip Blank (3)	Aqueous	2026-01-12

2. Methods and Analytes

A list of analytes of interest and corresponding methods of analysis is shown in Table 3. Abbreviations are defined in the listed Appendices.

Table 3 - Methods and Analytes

EU Method	Analytes	Cleanup Method
EU068	Custom List	EU067

3. Analysis

The samples were analyzed using LC/MS/MS instrument Jetfire.

Select sample(s) were analyzed on more than one instrument sequence in order to meet method acceptance criteria and provide results within the calibration curve.

Enthalpy Analytical Narrative Summary

Company	Maryland Environmental Service
Job No.	0126-757-2
Client ID.	2531-1401 Site: Northern Landfill (Northern)

4. Calibration

In the initial calibration, the reported analytes exhibited an RSD or RSE of ≤ 20%. The reported analytes in the calibration standards, and Initial Calibration Verification (ICV), continuing calibration (concal), and sensitivity check met the accuracy and S/N criterion for native analytes.

5. QC Notes

The QC sample analyses passed all method criteria.

EPA Method 1633 (non-potable water) samples were extracted within 28 days, and extracts analyzed within 28 days.

6. Reporting Notes

The results presented in this report are representative of the samples as provided to the laboratory.

The ion ratios for all compounds were within tolerance, except where noted below.

Analyte(s) that do not meet expected ion abundance ratio 'IAR' criteria and are detected at a concentration close to LOQ could result in a ND >LOQ if reinjected at a dilution per method direction. For this reason, the 'I' flag(s) are reported as-is. Results should be considered estimated, biased high, unless the analyte is one exempt from this criteria: PFBA, PFPeA, N-MeFOSE, N-EtFOSE, PFMPA, PFMBA.

The area responses for the non-extracted internal standards (injection standards or JS) met method criteria.

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Enthalpy Analytical, LLC in Wilmington NC is accredited by the Louisiana Department of Environmental Quality to the 2016 TNI Standard under certificate number 05075.

Results

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Summary

	Compound	CAS	MW-A dup ng/L	MW-B ng/L	M-18 ng/L	Rinse Blank (2) ng/L	Trip Blank (2) ng/L
Acids	PFOA	335-67-1	88.7	13.9	4.02	<LOQ (0.991) U	<LOQ (0.719) U
	PFNA	375-95-1	3.14	1.45	<LOQ (0.699) U	<LOQ (0.991) U	<LOQ (0.719) U
Sulfonates	PFBS	375-73-5	8.60	2.66	3.38	<LOQ (0.991) U	<LOQ (0.719) U
	PFHxS	355-46-4	5.34	2.72	1.10	<LOQ (0.991) U	<LOQ (0.719) U
	PFOS	1763-23-1	8.15	8.96	1.58	<LOQ (0.991) U	<LOQ (0.719) U
PFECAs	HFPO-DA	13252-13-6	<LOQ (0.700) U	<LOQ (0.771) U	<LOQ (0.699) U	<LOQ (0.991) U	<LOQ (0.719) U

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Summary

	Compound	CAS	SW-1 ng/L	SW-2 ng/L	Leachate ng/L	M-24D ng/L	M-24D Dup ng/L
Acids	PFOA	335-67-1	2.84	5.04	656	23.1	23.6
	PFNA	375-95-1	<LOQ (0.747) U	<LOQ (0.734) U	8.52	1.04	0.972
Sulfonates	PFBS	375-73-5	3.57	4.14	51.6	3.92	4.27
	PFHxS	355-46-4	11.1	9.26	357	6.54	7.21
	PFOS	1763-23-1	13.0	9.91	41.3	4.21	4.29
PFECAs	HFPO-DA	13252-13-6	<LOQ (0.747) U	<LOQ (0.734) U	1.22 I	<LOQ (0.768) U	<LOQ (0.756) U

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Summary

	Compound	CAS	M-8 ng/L	M-9S ng/L	Rinse Blank (3) ng/L	Trip Blank (3) ng/L
Acids	PFOA	335-67-1	17.3	16.6	<LOQ (0.731) U	<LOQ (0.996) U
	PFNA	375-95-1	<LOQ (0.750) U	1.56	<LOQ (0.731) U	<LOQ (0.996) U
Sulfonates	PFBS	375-73-5	5.07	11.0	<LOQ (0.731) U	<LOQ (0.996) U
	PFHxS	355-46-4	3.58	2.74	<LOQ (0.731) U	<LOQ (0.996) U
	PFOS	1763-23-1	1.66	5.16	<LOQ (0.731) U	<LOQ (0.996) U
PFECAs	HFPO-DA	13252-13-6	<LOQ (0.750) U	<LOQ (0.756) U	<LOQ (0.731) U	<LOQ (0.996) U

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	MW-A dup		
Sampling Site			
Enthalpy ID	0126-757-021-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 11:28	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	171.4
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 22:09	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162209	88.7	0.583	0.700			
	PFNA	375-95-1	J160126-01162209	3.14	0.583	0.700			
Sulfonates	PFBS	375-73-5	J160126-01162209	8.60	0.583	0.700			
	PFHxS	355-46-4	J160126-01162209	5.34	0.583	0.700			
	PFOS	1763-23-1	J160126-01162209	8.15	0.583	0.700			
PFECAs	HFPO-DA	13252-13-6	J160126-01162209	<LOQ (0.700)	0.583	0.700			U
ES	13C8-PFOA		J160126-01162209				40-130%	82.2%	
	13C9-PFNA		J160126-01162209				40-130%	85.1%	
	13C3-PFBS		J160126-01162209				40-135%	81.2%	
	13C3-PFHxS		J160126-01162209				40-130%	91.2%	
	13C8-PFOS		J160126-01162209				40-130%	90.6%	
	13C3-HFPO-DA		J160126-01162209				40-130%	87.1%	
JS	13C2-PFHxA		J160126-01162209				50-200%	108%	
	13C4-PFOA		J160126-01162209				50-200%	117%	
	13C5-PFNA		J160126-01162209				50-200%	130%	
	18O2-PFHxS		J160126-01162209				50-200%	116%	
	13C4-PFOS		J160126-01162209				50-200%	117%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	MW-B		
Sampling Site			
Enthalpy ID	0126-757-022-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 12:51	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	155.65
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 22:21	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162221	13.9	0.642	0.771			
	PFNA	375-95-1	J160126-01162221	1.45	0.642	0.771			
Sulfonates	PFBS	375-73-5	J160126-01162221	2.66	0.642	0.771			
	PFHxS	355-46-4	J160126-01162221	2.72	0.642	0.771			
	PFOS	1763-23-1	J160126-01162221	8.96	0.642	0.771			
PFECAs	HFPO-DA	13252-13-6	J160126-01162221	<LOQ (0.771)	0.642	0.771			U
ES	13C8-PFOA		J160126-01162221				40-130%	99.6%	
	13C9-PFNA		J160126-01162221				40-130%	92.1%	
	13C3-PFBS		J160126-01162221				40-135%	84.4%	
	13C3-PFHxS		J160126-01162221				40-130%	97.8%	
	13C8-PFOS		J160126-01162221				40-130%	100%	
	13C3-HFPO-DA		J160126-01162221				40-130%	96.7%	
JS	13C2-PFHxA		J160126-01162221				50-200%	99.7%	
	13C4-PFOA		J160126-01162221				50-200%	94.5%	
	13C5-PFNA		J160126-01162221				50-200%	117%	
	18O2-PFHxS		J160126-01162221				50-200%	107%	
	13C4-PFOS		J160126-01162221				50-200%	107%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-18		
Sampling Site			
Enthalpy ID	0126-757-023-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 13:35	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	171.79
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 22:34	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162234	4.02	0.582	0.699			
	PFNA	375-95-1	J160126-01162234	<LOQ (0.699)	0.582	0.699			U
Sulfonates	PFBS	375-73-5	J160126-01162234	3.38	0.582	0.699			
	PFHxS	355-46-4	J160126-01162234	1.10	0.582	0.699			
	PFOS	1763-23-1	J160126-01162234	1.58	0.582	0.699			
PFECAs	HFPO-DA	13252-13-6	J160126-01162234	<LOQ (0.699)	0.582	0.699			U
ES	13C8-PFOA		J160126-01162234				40-130%	92.0%	
	13C9-PFNA		J160126-01162234				40-130%	91.5%	
	13C3-PFBS		J160126-01162234				40-135%	83.8%	
	13C3-PFHxS		J160126-01162234				40-130%	100%	
	13C8-PFOS		J160126-01162234				40-130%	89.9%	
	13C3-HFPO-DA		J160126-01162234				40-130%	101%	
JS	13C2-PFHxA		J160126-01162234				50-200%	102%	
	13C4-PFOA		J160126-01162234				50-200%	107%	
	13C5-PFNA		J160126-01162234				50-200%	117%	
	18O2-PFHxS		J160126-01162234				50-200%	109%	
	13C4-PFOS		J160126-01162234				50-200%	117%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Rinse Blank (2)		
Sampling Site			
Enthalpy ID	0126-757-024-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 13:55	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	121.08
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 22:46	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162246	<LOQ (0.991)	0.826	0.991			U
	PFNA	375-95-1	J160126-01162246	<LOQ (0.991)	0.826	0.991			U
Sulfonates	PFBS	375-73-5	J160126-01162246	<LOQ (0.991)	0.826	0.991			U
	PFHxS	355-46-4	J160126-01162246	<LOQ (0.991)	0.826	0.991			U
	PFOS	1763-23-1	J160126-01162246	<LOQ (0.991)	0.826	0.991			U
PFECAs	HFPO-DA	13252-13-6	J160126-01162246	<LOQ (0.991)	0.826	0.991			U
ES	13C8-PFOA		J160126-01162246				40-130%	91.9%	
	13C9-PFNA		J160126-01162246				40-130%	91.5%	
	13C3-PFBS		J160126-01162246				40-135%	88.5%	
	13C3-PFHxS		J160126-01162246				40-130%	93.2%	
	13C8-PFOS		J160126-01162246				40-130%	91.6%	
	13C3-HFPO-DA		J160126-01162246				40-130%	93.5%	
JS	13C2-PFHxA		J160126-01162246				50-200%	111%	
	13C4-PFOA		J160126-01162246				50-200%	113%	
	13C5-PFNA		J160126-01162246				50-200%	124%	
	18O2-PFHxS		J160126-01162246				50-200%	112%	
	13C4-PFOS		J160126-01162246				50-200%	120%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Trip Blank (2)		
Sampling Site			
Enthalpy ID	0126-757-025-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-07 00:00	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	166.96
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 22:59	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162259	<LOQ (0.719)	0.599	0.719			U
	PFNA	375-95-1	J160126-01162259	<LOQ (0.719)	0.599	0.719			U
Sulfonates	PFBS	375-73-5	J160126-01162259	<LOQ (0.719)	0.599	0.719			U
	PFHxS	355-46-4	J160126-01162259	<LOQ (0.719)	0.599	0.719			U
	PFOS	1763-23-1	J160126-01162259	<LOQ (0.719)	0.599	0.719			U
PFECAs	HFPO-DA	13252-13-6	J160126-01162259	<LOQ (0.719)	0.599	0.719			U
ES	13C8-PFOA		J160126-01162259				40-130%	85.9%	
	13C9-PFNA		J160126-01162259				40-130%	88.2%	
	13C3-PFBS		J160126-01162259				40-135%	82.9%	
	13C3-PFHxS		J160126-01162259				40-130%	90.1%	
	13C8-PFOS		J160126-01162259				40-130%	90.5%	
	13C3-HFPO-DA		J160126-01162259				40-130%	100%	
JS	13C2-PFHxA		J160126-01162259				50-200%	104%	
	13C4-PFOA		J160126-01162259				50-200%	113%	
	13C5-PFNA		J160126-01162259				50-200%	123%	
	18O2-PFHxS		J160126-01162259				50-200%	113%	
	13C4-PFOS		J160126-01162259				50-200%	111%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	SW-1		
Sampling Site			
Enthalpy ID	0126-757-026-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 08:45	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	160.68
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 23:12	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162312	2.84	0.622	0.747			
	PFNA	375-95-1	J160126-01162312	<LOQ (0.747)	0.622	0.747			U
Sulfonates	PFBS	375-73-5	J160126-01162312	3.57	0.622	0.747			
	PFHxS	355-46-4	J160126-01162312	11.1	0.622	0.747			
	PFOS	1763-23-1	J160126-01162312	13.0	0.622	0.747			
PFECAs	HFPO-DA	13252-13-6	J160126-01162312	<LOQ (0.747)	0.622	0.747			U
ES	13C8-PFOA		J160126-01162312				40-130%	98.9%	
	13C9-PFNA		J160126-01162312				40-130%	92.5%	
	13C3-PFBS		J160126-01162312				40-135%	87.0%	
	13C3-PFHxS		J160126-01162312				40-130%	99.2%	
	13C8-PFOS		J160126-01162312				40-130%	95.1%	
	13C3-HFPO-DA		J160126-01162312				40-130%	104%	
JS	13C2-PFHxA		J160126-01162312				50-200%	92.6%	
	13C4-PFOA		J160126-01162312				50-200%	101%	
	13C5-PFNA		J160126-01162312				50-200%	112%	
	18O2-PFHxS		J160126-01162312				50-200%	105%	
	13C4-PFOS		J160126-01162312				50-200%	105%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	SW-2		
Sampling Site			
Enthalpy ID	0126-757-027-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 09:15	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	163.41
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 23:24	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162324	5.04	0.612	0.734			
	PFNA	375-95-1	J160126-01162324	<LOQ (0.734)	0.612	0.734			U
Sulfonates	PFBS	375-73-5	J160126-01162324	4.14	0.612	0.734			
	PFHxS	355-46-4	J160126-01162324	9.26	0.612	0.734			
	PFOS	1763-23-1	J160126-01162324	9.91	0.612	0.734			
PFECAs	HFPO-DA	13252-13-6	J160126-01162324	<LOQ (0.734)	0.612	0.734			U
ES	13C8-PFOA		J160126-01162324				40-130%	95.3%	
	13C9-PFNA		J160126-01162324				40-130%	101%	
	13C3-PFBS		J160126-01162324				40-135%	86.4%	
	13C3-PFHxS		J160126-01162324				40-130%	96.0%	
	13C8-PFOS		J160126-01162324				40-130%	98.2%	
	13C3-HFPO-DA		J160126-01162324				40-130%	98.5%	
JS	13C2-PFHxA		J160126-01162324				50-200%	100%	
	13C4-PFOA		J160126-01162324				50-200%	101%	
	13C5-PFNA		J160126-01162324				50-200%	106%	
	18O2-PFHxS		J160126-01162324				50-200%	107%	
	13C4-PFOS		J160126-01162324				50-200%	103%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Leachate		
Sampling Site			
Enthalpy ID	0126-757-028-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 12:35	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.88
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 23:37	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J190126-01192010	656	0.827	0.993			
	PFNA	375-95-1	J160126-01162337	8.52	0.827	0.993			
Sulfonates	PFBS	375-73-5	J160126-01162337	51.6	0.827	0.993			
	PFHxS	355-46-4	J160126-01162337	357	0.827	0.993			
	PFOS	1763-23-1	J160126-01162337	41.3	0.827	0.993			
PFECAs	HFPO-DA	13252-13-6	J160126-01162337	1.22	0.827	0.993			I
ES	13C8-PFOA		J190126-01192010				40-130%	79.8%	
	13C9-PFNA		J160126-01162337				40-130%	89.0%	
	13C3-PFBS		J160126-01162337				40-135%	77.8%	
	13C3-PFHxS		J160126-01162337				40-130%	91.5%	
	13C8-PFOS		J160126-01162337				40-130%	97.1%	
	13C3-HFPO-DA		J160126-01162337				40-130%	105%	
JS	13C2-PFHxA		J160126-01162337				50-200%	56.4%	
	13C4-PFOA		J160126-01162337				50-200%	95.2%	
	13C5-PFNA		J160126-01162337				50-200%	122%	
	18O2-PFHxS		J160126-01162337				50-200%	117%	
	13C4-PFOS		J160126-01162337				50-200%	117%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-24D		
Sampling Site			
Enthalpy ID	0126-757-029-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 10:18	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	156.21
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 23:50	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162350	23.1	0.640	0.768			
	PFNA	375-95-1	J160126-01162350	1.04	0.640	0.768			
Sulfonates	PFBS	375-73-5	J160126-01162350	3.92	0.640	0.768			
	PFHxS	355-46-4	J160126-01162350	6.54	0.640	0.768			
	PFOS	1763-23-1	J160126-01162350	4.21	0.640	0.768			
PFECAs	HFPO-DA	13252-13-6	J160126-01162350	<LOQ (0.768)	0.640	0.768			U
ES	13C8-PFOA		J160126-01162350				40-130%	92.9%	
	13C9-PFNA		J160126-01162350				40-130%	101%	
	13C3-PFBS		J160126-01162350				40-135%	91.7%	
	13C3-PFHxS		J160126-01162350				40-130%	107%	
	13C8-PFOS		J160126-01162350				40-130%	97.4%	
	13C3-HFPO-DA		J160126-01162350				40-130%	110%	
JS	13C2-PFHxA		J160126-01162350				50-200%	100%	
	13C4-PFOA		J160126-01162350				50-200%	118%	
	13C5-PFNA		J160126-01162350				50-200%	118%	
	18O2-PFHxS		J160126-01162350				50-200%	112%	
	13C4-PFOS		J160126-01162350				50-200%	109%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-24D Dup		
Sampling Site			
Enthalpy ID	0126-757-030-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 10:21	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	158.79
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-17 00:02	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170002	23.6	0.630	0.756			
	PFNA	375-95-1	J160126-01170002	0.972	0.630	0.756			
Sulfonates	PFBS	375-73-5	J160126-01170002	4.27	0.630	0.756			
	PFHxS	355-46-4	J160126-01170002	7.21	0.630	0.756			
	PFOS	1763-23-1	J160126-01170002	4.29	0.630	0.756			
PFECAs	HFPO-DA	13252-13-6	J160126-01170002	<LOQ (0.756)	0.630	0.756			U
ES	13C8-PFOA		J160126-01170002				40-130%	83.0%	
	13C9-PFNA		J160126-01170002				40-130%	101%	
	13C3-PFBS		J160126-01170002				40-135%	84.1%	
	13C3-PFHxS		J160126-01170002				40-130%	93.9%	
	13C8-PFOS		J160126-01170002				40-130%	95.8%	
	13C3-HFPO-DA		J160126-01170002				40-130%	98.9%	
JS	13C2-PFHxA		J160126-01170002				50-200%	101%	
	13C4-PFOA		J160126-01170002				50-200%	115%	
	13C5-PFNA		J160126-01170002				50-200%	114%	
	18O2-PFHxS		J160126-01170002				50-200%	110%	
	13C4-PFOS		J160126-01170002				50-200%	110%	

Enthalpy Analytical

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Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-8		
Sampling Site			
Enthalpy ID	0126-757-031-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 11:03	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	159.93
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-17 00:40	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170040	17.3	0.625	0.750			
	PFNA	375-95-1	J160126-01170040	<LOQ (0.750)	0.625	0.750			U
Sulfonates	PFBS	375-73-5	J160126-01170040	5.07	0.625	0.750			
	PFHxS	355-46-4	J160126-01170040	3.58	0.625	0.750			
	PFOS	1763-23-1	J160126-01170040	1.66	0.625	0.750			
PFECAs	HFPO-DA	13252-13-6	J160126-01170040	<LOQ (0.750)	0.625	0.750			U
ES	13C8-PFOA		J160126-01170040				40-130%	89.6%	
	13C9-PFNA		J160126-01170040				40-130%	101%	
	13C3-PFBS		J160126-01170040				40-135%	94.0%	
	13C3-PFHxS		J160126-01170040				40-130%	104%	
	13C8-PFOS		J160126-01170040				40-130%	95.6%	
	13C3-HFPO-DA		J160126-01170040				40-130%	104%	
JS	13C2-PFHxA		J160126-01170040				50-200%	94.9%	
	13C4-PFOA		J160126-01170040				50-200%	109%	
	13C5-PFNA		J160126-01170040				50-200%	109%	
	18O2-PFHxS		J160126-01170040				50-200%	97.1%	
	13C4-PFOS		J160126-01170040				50-200%	107%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	M-9S		
Sampling Site			
Enthalpy ID	0126-757-032-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 11:48	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	158.77
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-17 00:53	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170053	16.6	0.630	0.756			
	PFNA	375-95-1	J160126-01170053	1.56	0.630	0.756			
Sulfonates	PFBS	375-73-5	J160126-01170053	11.0	0.630	0.756			
	PFHxS	355-46-4	J160126-01170053	2.74	0.630	0.756			
	PFOS	1763-23-1	J160126-01170053	5.16	0.630	0.756			
PFECAs	HFPO-DA	13252-13-6	J160126-01170053	<LOQ (0.756)	0.630	0.756			U
ES	13C8-PFOA		J160126-01170053				40-130%	93.6%	
	13C9-PFNA		J160126-01170053				40-130%	105%	
	13C3-PFBS		J160126-01170053				40-135%	87.2%	
	13C3-PFHxS		J160126-01170053				40-130%	104%	
	13C8-PFOS		J160126-01170053				40-130%	99.4%	
	13C3-HFPO-DA		J160126-01170053				40-130%	96.9%	
JS	13C2-PFHxA		J160126-01170053				50-200%	99.9%	
	13C4-PFOA		J160126-01170053				50-200%	112%	
	13C5-PFNA		J160126-01170053				50-200%	112%	
	18O2-PFHxS		J160126-01170053				50-200%	111%	
	13C4-PFOS		J160126-01170053				50-200%	108%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Rinse Blank (3)		
Sampling Site			
Enthalpy ID	0126-757-033-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 14:20	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	164.24
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-17 01:05	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	A		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170105	<LOQ (0.731)	0.609	0.731			U
	PFNA	375-95-1	J160126-01170105	<LOQ (0.731)	0.609	0.731			U
Sulfonates	PFBS	375-73-5	J160126-01170105	<LOQ (0.731)	0.609	0.731			U
	PFHxS	355-46-4	J160126-01170105	<LOQ (0.731)	0.609	0.731			U
	PFOS	1763-23-1	J160126-01170105	<LOQ (0.731)	0.609	0.731			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170105	<LOQ (0.731)	0.609	0.731			U
ES	13C8-PFOA		J160126-01170105				40-130%	92.1%	
	13C9-PFNA		J160126-01170105				40-130%	97.2%	
	13C3-PFBS		J160126-01170105				40-135%	90.8%	
	13C3-PFHxS		J160126-01170105				40-130%	102%	
	13C8-PFOS		J160126-01170105				40-130%	96.2%	
	13C3-HFPO-DA		J160126-01170105				40-130%	101%	
JS	13C2-PFHxA		J160126-01170105				50-200%	106%	
	13C4-PFOA		J160126-01170105				50-200%	117%	
	13C5-PFNA		J160126-01170105				50-200%	116%	
	18O2-PFHxS		J160126-01170105				50-200%	111%	
	13C4-PFOS		J160126-01170105				50-200%	112%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	Trip Blank (3)		
Sampling Site			
Enthalpy ID	0126-757-034-1	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date	2026-01-08 00:00	Instrument	Jetfire
Received Date	2026-01-12	Sample Vol mL	120.5
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-17 01:18	Split Factor	N/A
SampleType	Sample	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01170118	<LOQ (0.996)	0.830	0.996			U
	PFNA	375-95-1	J160126-01170118	<LOQ (0.996)	0.830	0.996			U
Sulfonates	PFBS	375-73-5	J160126-01170118	<LOQ (0.996)	0.830	0.996			U
	PFHxS	355-46-4	J160126-01170118	<LOQ (0.996)	0.830	0.996			U
	PFOS	1763-23-1	J160126-01170118	<LOQ (0.996)	0.830	0.996			U
PFECAs	HFPO-DA	13252-13-6	J160126-01170118	<LOQ (0.996)	0.830	0.996			U
ES	13C8-PFOA		J160126-01170118				40-130%	98.4%	
	13C9-PFNA		J160126-01170118				40-130%	96.1%	
	13C3-PFBS		J160126-01170118				40-135%	89.9%	
	13C3-PFHxS		J160126-01170118				40-130%	94.1%	
	13C8-PFOS		J160126-01170118				40-130%	99.7%	
	13C3-HFPO-DA		J160126-01170118				40-130%	108%	
JS	13C2-PFHxA		J160126-01170118				50-200%	103%	
	13C4-PFOA		J160126-01170118				50-200%	104%	
	13C5-PFNA		J160126-01170118				50-200%	117%	
	18O2-PFHxS		J160126-01170118				50-200%	116%	
	13C4-PFOS		J160126-01170118				50-200%	111%	

QC Data

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	MB_119764_PFAS		
Sampling Site			
Enthalpy ID	MB_119764_PFAS	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 21:31	Split Factor	N/A
SampleType	Blank	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162131	<LOQ (1.00)	0.833	1.00			U
	PFNA	375-95-1	J160126-01162131	<LOQ (1.00)	0.833	1.00			U
Sulfonates	PFBS	375-73-5	J160126-01162131	<LOQ (1.00)	0.833	1.00			U
	PFHxS	355-46-4	J160126-01162131	<LOQ (1.00)	0.833	1.00			U
	PFOS	1763-23-1	J160126-01162131	<LOQ (1.00)	0.833	1.00			U
PFECAs	HFPO-DA	13252-13-6	J160126-01162131	<LOQ (1.00)	0.833	1.00			U
ES	13C8-PFOA		J160126-01162131				40-130%	114%	
	13C9-PFNA		J160126-01162131				40-130%	115%	
	13C3-PFBS		J160126-01162131				40-135%	111%	
	13C3-PFHxS		J160126-01162131				40-130%	123%	
	13C8-PFOS		J160126-01162131				40-130%	109%	
	13C3-HFPO-DA		J160126-01162131				40-130%	129%	
JS	13C2-PFHxA		J160126-01162131				50-200%	89.7%	
	13C4-PFOA		J160126-01162131				50-200%	97.0%	
	13C5-PFNA		J160126-01162131				50-200%	98.7%	
	18O2-PFHxS		J160126-01162131				50-200%	95.9%	
	13C4-PFOS		J160126-01162131				50-200%	105%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	LLOPR_119764_PFAS		
Sampling Site			
Enthalpy ID	LLOPR_119764_PFAS	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 21:43	Split Factor	N/A
SampleType	Control	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162143	1.94	0.833	1.00	70-150%	116%	
	PFNA	375-95-1	J160126-01162143	1.97	0.833	1.00	70-150%	118%	
Sulfonates	PFBS	375-73-5	J160126-01162143	1.80	0.833	1.00	60-145%	108%	
	PFHxS	355-46-4	J160126-01162143	1.74	0.833	1.00	65-145%	104%	
	PFOS	1763-23-1	J160126-01162143	1.93	0.833	1.00	55-150%	116%	
PFECAs	HFPO-DA	13252-13-6	J160126-01162143	1.74	0.833	1.00	70-140%	104%	
ES	13C8-PFOA		J160126-01162143				40-130%	94.1%	
	13C9-PFNA		J160126-01162143				40-130%	93.8%	
	13C3-PFBS		J160126-01162143				40-135%	93.2%	
	13C3-PFHxS		J160126-01162143				40-130%	98.5%	
	13C8-PFOS		J160126-01162143				40-130%	93.9%	
	13C3-HFPO-DA		J160126-01162143				40-130%	100%	
JS	13C2-PFHxA		J160126-01162143				50-200%	98.3%	
	13C4-PFOA		J160126-01162143				50-200%	103%	
	13C5-PFNA		J160126-01162143				50-200%	114%	
	18O2-PFHxS		J160126-01162143				50-200%	106%	
	13C4-PFOS		J160126-01162143				50-200%	105%	

Enthalpy Analytical

Job No.: 0126-757-2 EPA Method 1633 (non-potable water)

Maryland Environmental Service 2531-1401 Northern Landfill (Northern)

Details

Sample Name	OPR_119764_PFAS		
Sampling Site			
Enthalpy ID	OPR_119764_PFAS	Prep Batch	EU119764
Matrix	Aqueous	Analyst	jogres
Sampling Date		Instrument	Jetfire
Received Date		Sample Vol mL	120
Prep Date	2026-01-14 11:45	Extract Vol mL	4
AnalysisDate	2026-01-16 21:56	Split Factor	N/A
SampleType	Control	Method Code	AQ-067/068
Bottle ID	-		

	Compound	CAS	Injection File Name	Sample Concentration ng/L	LOD ng/L	LOQ ng/L	Recovery Limits	Recovery	Flags
Acids	PFOA	335-67-1	J160126-01162156	16.9	0.833	1.00	70-150%	101%	
	PFNA	375-95-1	J160126-01162156	18.6	0.833	1.00	70-150%	112%	
Sulfonates	PFBS	375-73-5	J160126-01162156	18.6	0.833	1.00	60-145%	112%	
	PFHxS	355-46-4	J160126-01162156	18.2	0.833	1.00	65-145%	109%	
	PFOS	1763-23-1	J160126-01162156	18.3	0.833	1.00	55-150%	110%	
PFECAs	HFPO-DA	13252-13-6	J160126-01162156	16.9	0.833	1.00	70-140%	102%	
ES	13C8-PFOA		J160126-01162156				40-130%	100%	
	13C9-PFNA		J160126-01162156				40-130%	94.7%	
	13C3-PFBS		J160126-01162156				40-135%	92.5%	
	13C3-PFHxS		J160126-01162156				40-130%	99.6%	
	13C8-PFOS		J160126-01162156				40-130%	96.2%	
	13C3-HFPO-DA		J160126-01162156				40-130%	109%	
JS	13C2-PFHxA		J160126-01162156				50-200%	100%	
	13C4-PFOA		J160126-01162156				50-200%	101%	
	13C5-PFNA		J160126-01162156				50-200%	115%	
	18O2-PFHxS		J160126-01162156				50-200%	106%	
	13C4-PFOS		J160126-01162156				50-200%	105%	

Sample Custody

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

0126-757

Lab Use Only

COC #:	**Laboratory:** Enthalphy Ultratrace	**Sampler:** Megan Smith, Collin Blake
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-4	grab	125 mL Plastic Unpreserved	GW	2	1/5/26	931	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-6	grab	Same as number 1	GW	3	1/5/26	1020	Same as number 1
3	M-3	↓	↓	↓	↓	↓	1101	↓
4	M-14	↓	↓	↓	↓	↓	1148	↓
5	M-15	↓	↓	↓	↓	↓	1229	↓
6	M-7	↓	↓	↓	↓	↓	1312	↓
7	R-Blank	↓	125 mL Plastic UNP	DI	2	↓	1335	↓
8	TRIP Blank	↓	↓	↓	1	↓	X	↓
								Note: 500 mL bottles were filled to at least 125 mL
			ORIGINAL IF NOT RED, DESTROY THIS COPY AFTER USE					

Transferred by: Megan Smith	Received by: MES Fridge	Date 1/5/26	Time 1515
Transferred by: MES Fridge / C. Ashley	Received by: DeVonFleming	Date 1/12/26	Time 10:25
Transferred by:	Received by: Jill Stanley	Date 1/12/26	Time 16:10
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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0126-757

Lab Use Only

COC #:	**Laboratory:** Enthalphy Ultratrace	**Sampler:** Megan Smith Collin Blake
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-17DR	grab	125 mL Plastic Unpreserved	GW	2	1/6/26	852	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-17S	grab	Same as number 1	GW	3	1/6/26	927	Same as number 1
3	M-23	↓	↓	↓	↓	↓	1018	↓
4	M-12	↓	↓	↓	↓	↓	1102	↓
5	M-22	↓	↓	↓	↓	↓	1153	↓
6	M-19	↓	↓	↓	↓	↓	1243	↓
								Note: 500mL bottles used - filled to 125 mL @
			ORIGINAL IF NOT RED, DESTROY THIS COPY AFTER USE					
7	Rinse Blank	grab	125 mL Plastic Unpreserved	DI	2	1/6/26	1310	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
8	Trip Blank	grab	125 mL Plastic Unpreserved	DI	1	↓	X	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A

Transferred by: Megan Smith	Received by: MES Fridge	Date 1/6/26	Time 1430
Transferred by: MES Fridge	Received by: Jill Gormley	Date 1/12/26	Time 16:10
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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0126-757

Lab Use Only

COC #:	**Laboratory:** Enthalphy Ultratrace	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-21	grab	125 mL Plastic Unpreserved	GW	2	1/7/26	919	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-11D	grab	Same as number 1	GW	3		1005	Same as number 1
3	M-11S						1042	
4	MW-A						1125	
5	MW-A dup						1128	
6	MW-B						1251	
7	M-18	↓	↓	↓	↓	↓	1335	↓
		ORIGINAL						
		IF NOT RED, DESTROY THIS COPY AFTER USE						
8	Rinse Blank	grab	125 mL Plastic Unpreserved	DI	2	1/7/26	1355	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
9	Trip Blank	grab	125 mL Plastic Unpreserved	DI	1	↓	X	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/7/26	Time 1515
Transferred by: MES Fridge/ca	Received by: Neil Gravelle	Date 1/12/26	Time 16:10
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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0126-757

Lab Use Only

COC #:	**Laboratory:** Enthalphy Ultratrace	**Sampler:** Megan Smith, Collin Blake
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (SW)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (surface water monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	SW-1	grab	125 mL Plastic Unpreserved	SW ~~GW~~	2	1/8/26	845	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	SW ~~GW~~	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	SW-2	grab	Same as number 1	SW ~~GW~~	3	1/8/26	915	Same as number 1

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Transferred by: Megan Smith	Received by: MES Fridge	Date 1/8/26	Time 1430
Transferred by: MES Fridge/a	Received by: Jill Jeanney	Date 1/12/26	Time 11:10
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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0126-757

Lab Use Only

COC #:	Laboratory: Enthalpy Ultratrace	Sampler: Megan Smith, Collin Blake
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	Leachate	grab	125 mL Plastic Unpreserved	W/W GW	2	1/8/26	1235	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	W/W GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
[redacted]								

ORIGINAL
IF NOT RED,
DESTROY THIS COPY AFTER USE

Transferred by:	Received by:	Date	Time
Megan Smith	MES Fridge	1/8/26	1430
MES Fridge/ice	[illegible]	1/12/26	16:10
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

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0126-757

Lab Use Only

COC #:	Laboratory: Enthalpy Ultratrace	Sampler: Megan Smith, Collin Blake
Client Name: Maryland Environmental Service, Attn: John Agnoli		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8358		**Project# / Purpose:** 2531-1401 (groundwater monitoring)
Invoice To: Same WGH 10/2023		**Turnaround Time:** routine

Sample #	Sample ID	Grab or Composite	Container Description/ Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-24D	grab	125 mL Plastic Unpreserved	GW	2	1/8/26	1018	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
↓	↓	grab	10 mL Plastic Unpreserved	GW	1	↓	↓	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
2	M-24D DUP	grab	Same as number 1	GW	3	1/8/26	1021	Same as number 1
3	M-8	↓	↓	↓	↓	↓	1103	↓
4	M-9S	↓	↓	↓	↓	↓	1148	↓
5	Rinse Blank	grab	125 mL Plastic Unpreserved	DI	2	1/8/26	1420	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A
6	Trip Blank	grab	125 mL Plastic Unpreserved	DI	1	↓	X	PFOA, PFOS, PFNA, PFHxS, PFBS, HFPO-DA - Method 1633A

ORIGINAL
IF NOT RED,
DESTROY THIS COPY AFTER USE

Transferred by:	Received by:	Date	Time
Megan Smith	MES Fridge	1/8/26	1430
CC/ MES Fridge	Jeri Stanley	1/12/26	16:10
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

COOLER RECEIPT LOG

JOB ID: | Date / Time: 1/12/26 16:10 | Initials: LGS

OR

Client: MES

Cooler 1 of 1

Temp °C: 4.6 | Thermometer ID: T10 | Bottle Order #: NA

Received via: FedEx ☐ UPS ☐ DHL ☐ USPS ☐ Courier ☒ Other ☐

Check one		Check one			Yes	No
On ice:	☒	in a Box:	☐	Cooler seals:	☐	☒
Melted ice:	☐	in a Cooler:	☒	Sample seals:	☐	☒
Ambient:	☐	Cooler in Box:	☐	Good condition:	☒	☐

Comment:

Cooler ___ of ___

Temp °C: | Thermometer ID: | Bottle Order #:

Received via: FedEx ☐ UPS ☐ DHL ☐ USPS ☐ Courier ☐ Other ☐

Check one		Check one			Yes	No
On ice:	☐	in a Box:	☐	Cooler seals:	☐	☐
Melted ice:	☐	in a Cooler:	☐	Sample seals:	☐	☐
Ambient:	☐	Cooler in Box:	☐	Good condition:	☐	☐

Comment: LGS 1/12/26

Cooler ___ of ___

Temp °C: | Thermometer ID: | Bottle Order #:

Received via: FedEx ☐ UPS ☐ DHL ☐ USPS ☐ Courier ☐ Other ☐

Check one		Check one			Yes	No
On ice:	☐	in a Box:	☐	Cooler seals:	☐	☐
Melted ice:	☐	in a Cooler:	☐	Sample seals:	☐	☐
Ambient:	☐	Cooler in Box:	☐	Good condition:	☐	☐

Comment:

301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For | Maryland Environmental Service - Landfills SC-0000802

Report ID 487463 on 1/14/2026

Certificate of Analysis

Project Name:	**NORTHERN LANDFILL**	Workorder:	**3447499**
Purchase Order:	**ENVOPS**	Workorder ID:	**NORTHERN LANDFILL**

Enclosed are the analytical results for samples received by the laboratory on Monday, January 05, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP)
accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements.
The test results meet requirements of the current NELAP standards or state requirements, where applicable.
For a specific list of accredited
analytes, refer to the certifications section of the ALS website at
www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Maryland Services-ENVOPS - Maryland Environmental Services - Landfills
- Dan Steil - Maryland Environmental Service
- Jessica Cox - Maryland Environmental Services
- Maryland Services-LF Data - Maryland Environmental Services
- William Herpel - Maryland Environmental Service

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3447499001	M-4	Ground Water	01/05/2026 09:31	01/05/2026 18:15	C	
3447499002	M-6	Ground Water	01/05/2026 10:20	01/05/2026 18:15	C	
3447499003	M-3	Ground Water	01/05/2026 11:01	01/05/2026 18:15	C	
3447499004	M-14	Ground Water	01/05/2026 11:48	01/05/2026 18:15	C	
3447499005	M-15	Ground Water	01/05/2026 12:29	01/05/2026 18:15	C	
3447499006	M-7	Ground Water	01/05/2026 13:12	01/05/2026 18:15	C	
3447499007	R-Blank	Ground Water	01/05/2026 13:35	01/05/2026 18:15	C	
3447499008	Trip Blank	Ground Water	01/05/2026 00:00	01/05/2026 18:15	C	

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	This sample result was calculated and reported using Method SM2340B-2011.
2	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
3	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	M-4	Collected	01/05/2026 09:31
Lab Sample ID	3447499001	Lab Receipt	01/05/2026 18:15

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.0095	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	3.1	mg/L	0.11	0.037	SW846 6020A	#
Hardness	13.5	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.019J	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	1.8	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.0037J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	0.77	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	2.7	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0064	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	9	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.02J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	4.4	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	2.4	mg/L	0.10	0.015	EPA 300.0	#
pH	6.69	pH_Units			S4500HB-11	#
Specific Conductance	51	umhos/cm	5	5	SM2510B-2011	#
Sulfate	0.29J	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	35	mg/L	25	25	SM2540C-15	#
Turbidity	5.2	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-6	Collected	01/05/2026 10:20
Lab Sample ID	3447499002	Lab Receipt	01/05/2026 18:15

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Calcium, Total	38.7	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0011J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	151	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.057	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	17.9	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.0054J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	3.4	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	9.1	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0023J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	62	mg/L	5	5	SM2320B-2011	#
Chemical Oxygen Demand (COD)	16	mg/L	15	5	EPA 410.4	#
Chloride	69.8	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	6.1	mg/L	0.10	0.015	EPA 300.0	#
pH	7.65	pH_Units			S4500HB-11	#
Specific Conductance	441	umhos/cm	5	5	SM2510B-2011	#
Sulfate	20.0	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	264	mg/L	25	25	SM2540C-15	#
Turbidity	3.7	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-3	Collected	01/05/2026 11:01
Lab Sample ID	3447499003	Lab Receipt	01/05/2026 18:15

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.032	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	17.3	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0014J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	58.3	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.039J	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	6.0	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.028	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0040J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.1	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	9.2	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0061	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	27	mg/L	5	5	SM2320B-2011	#
Chloride	30.6	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	5.5	mg/L	0.10	0.015	EPA 300.0	#
pH	6.92	pH_Units			S4500HB-11	#
Specific Conductance	215	umhos/cm	5	5	SM2510B-2011	#
Sulfate	6.0	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	143	mg/L	25	25	SM2540C-15	#
Turbidity	2.0	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-14	Collected	01/05/2026 11:48
Lab Sample ID	3447499004	Lab Receipt	01/05/2026 18:15

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.0069	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	15.6	mg/L	0.11	0.037	SW846 6020A	#
Hardness	57.0	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	6.3	mg/L	0.11	0.037	SW846 6020A	#
Potassium, Total	2.7	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	6.2	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0020J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	51	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.02J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	23.9	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	0.47	mg/L	0.10	0.015	EPA 300.0	#
pH	7.69	pH_Units			S4500HB-11	#
Specific Conductance	181	umhos/cm	5	5	SM2510B-2011	#
Sulfate	0.74	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	98	mg/L	25	25	SM2540C-15	#
Turbidity	1.8	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-15	Collected	01/05/2026 12:29
Lab Sample ID	3447499005	Lab Receipt	01/05/2026 18:15

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.0051J	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	18.9	mg/L	0.11	0.037	SW846 6020A	#
Hardness	63.5	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	6.6	mg/L	0.11	0.037	SW846 6020A	#
Potassium, Total	4.3	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	5.6	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0022J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	70	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.01J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	15.5	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	1.6	mg/L	0.10	0.015	EPA 300.0	#
pH	7.74	pH_Units			S4500HB-11	#
Specific Conductance	197	umhos/cm	5	5	SM2510B-2011	#
Sulfate	1.2	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	100	mg/L	25	25	SM2540C-15	#
Turbidity	3.2	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-7	Collected	01/05/2026 13:12
Lab Sample ID	3447499006	Lab Receipt	01/05/2026 18:15

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.0098	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	9.7	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.00075J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	35.9	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	4.2	mg/L	0.11	0.037	SW846 6020A	#
Potassium, Total	0.66	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	2.7	mg/L	0.11	0.037	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	34	mg/L	5	5	SM2320B-2011	#
Chloride	8.9	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	0.068J	mg/L	0.10	0.015	EPA 300.0	#
pH	7.24	pH_Units			S4500HB-11	#
Specific Conductance	102	umhos/cm	5	5	SM2510B-2011	#
Sulfate	1.5	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	51	mg/L	25	25	SM2540C-15	#
Turbidity	2.6	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	R-Blank	Collected	01/05/2026 13:35
Lab Sample ID	3447499007	Lab Receipt	01/05/2026 18:15

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Calcium, Total	0.060J	mg/L	0.11	0.037	SW846 6020A	#
Copper, Total	0.0036J	mg/L	0.0056	0.0019	SW846 6020A	#
Hardness	0.25J	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.21	mg/L	0.056	0.019	SW846 6020A	#
Sodium, Total	0.17	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0024J	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
Acetone	3.3J	ug/L	5.0	1.5	SW846 8260B	#
WET CHEMISTRY						
Ammonia-N, Low Level	0.01J	mg/L	0.10	0.01	SM 4500-NH3G	#
pH	5.80	pH_Units			S4500HB-11	#
Turbidity	2.9	NTU	0.30	0.30	SM2130B-2011	#

Results

Client Sample ID	M-4	Collected	01/05/2026 09:31
Lab Sample ID	3447499001	Lab Receipt	01/05/2026 18:15

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Barium, Total	0.0095		mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Calcium, Total	3.1		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Hardness	13.5	1	mg/L	0.73	0.24	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Iron, Total	0.019J	J	mg/L	0.056	0.019	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Magnesium, Total	1.8		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Manganese, Total	0.0037J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:10	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Potassium, Total	0.77		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Sodium, Total	2.7		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:35	KXH	J1
Zinc, Total	0.0064		mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:35	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/06/2026 12:54	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/06/2026 12:54	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:11	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 14:11	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 14:11	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 14:11	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 14:11	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 14:11	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 14:11	TMP	A

Results

Client Sample ID	M-4	Collected	01/05/2026 09:31
Lab Sample ID	3447499001	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:11	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:11	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 14:11	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 14:11	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 14:11	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:11	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:11	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 14:11	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 14:11	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:11	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 14:11	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:11	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:11	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:11	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:11	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 14:11	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 14:11	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:11	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 14:11	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:11	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 14:11	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:11	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 14:11	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:11	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 14:11	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 14:11	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:11	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 14:11	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:11	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:11	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 14:11	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 14:11	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	01/08/2026 14:11	
1-Chloro-2-Fluorobenzene	348-51-6	102%	70 – 130	01/06/2026 12:54	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/08/2026 14:11	
Dibromofluoromethane	1868-53-7	92%	78 – 116	01/08/2026 14:11	
Toluene-d8	2037-26-5	100%	76 – 127	01/08/2026 14:11	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	9	2	mg/L	5	5	SM2320B-2011	1	01/06/2026 11:52	TJH	G
Ammonia-N, Low Level	0.02J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/07/2026 11:07	AYS	I

Results

Client Sample ID	M-4	Collected	01/05/2026 09:31
Lab Sample ID	3447499001	Lab Receipt	01/05/2026 18:15

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/07/2026 11:49	KMS	I
Chloride	4.4		mg/L	0.50	0.22	EPA 300.0	2	01/06/2026 11:08	J1W	G
Nitrate/Nitrite-N	2.4		mg/L	0.10	0.015	EPA 300.0	2	01/06/2026 11:08	J1W	G
pH	6.69	3	pH_Units			S4500HB-11	1	01/06/2026 11:52	TJH	G
Specific Conductance	51		umhos/cm	5	5	SM2510B-2011	1	01/06/2026 15:03	A1L	G
Sulfate	0.29J	J	mg/L	0.50	0.19	EPA 300.0	2	01/06/2026 11:08	J1W	G
Total Dissolved Solids	35		mg/L	25	25	SM2540C-15	1	01/06/2026 14:12	MMS	G
Turbidity	5.2		NTU	0.30	0.30	SM2130B-2011	1	01/06/2026 11:30	NPF	G

Results

Client Sample ID	M-6	Collected	01/05/2026 10:20
Lab Sample ID	3447499002	Lab Receipt	01/05/2026 18:15

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Barium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Calcium, Total	38.7		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Chromium, Total	0.0011J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Hardness	151	1	mg/L	0.73	0.24	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Iron, Total	0.057		mg/L	0.056	0.019	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Magnesium, Total	17.9		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Manganese, Total	0.0054J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:02	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Potassium, Total	3.4		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Sodium, Total	9.1		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:03	KXH	J1
Zinc, Total	0.0023J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:03	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.020	0.0048	SW846 8011	1	01/06/2026 13:23	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.020	0.0097	SW846 8011	1	01/06/2026 13:23	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:34	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 14:34	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 14:34	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 14:34	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 14:34	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 14:34	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 14:34	TMP	A

Results

Client Sample ID	M-6	Collected	01/05/2026 10:20
Lab Sample ID	3447499002	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:34	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:34	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 14:34	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 14:34	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 14:34	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:34	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:34	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 14:34	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 14:34	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:34	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 14:34	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:34	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:34	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:34	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:34	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 14:34	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 14:34	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:34	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 14:34	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:34	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 14:34	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:34	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 14:34	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:34	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 14:34	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 14:34	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:34	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 14:34	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:34	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:34	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 14:34	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 14:34	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	62 – 133	01/08/2026 14:34	
1-Chloro-2-Fluorobenzene	348-51-6	108%	70 – 130	01/06/2026 13:23	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/08/2026 14:34	
Dibromofluoromethane	1868-53-7	92.6%	78 – 116	01/08/2026 14:34	
Toluene-d8	2037-26-5	99.3%	76 – 127	01/08/2026 14:34	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	62	2	mg/L	5	5	SM2320B-2011	1	01/06/2026 12:03	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/07/2026 12:25	AYS	I

Results

Client Sample ID	M-6	Collected	01/05/2026 10:20
Lab Sample ID	3447499002	Lab Receipt	01/05/2026 18:15

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	16		mg/L	15	5	EPA 410.4	1	01/07/2026 11:49	KMS	I
Chloride	69.8		mg/L	0.50	0.22	EPA 300.0	2	01/06/2026 11:20	J1W	G
Nitrate/Nitrite-N	6.1		mg/L	0.10	0.015	EPA 300.0	2	01/06/2026 11:20	J1W	G
pH	7.65	3	pH_Units			S4500HB-11	1	01/06/2026 12:03	TJH	G
Specific Conductance	441		umhos/cm	5	5	SM2510B-2011	1	01/06/2026 15:03	A1L	G
Sulfate	20.0		mg/L	0.50	0.19	EPA 300.0	2	01/06/2026 11:20	J1W	G
Total Dissolved Solids	264		mg/L	25	25	SM2540C-15	1	01/06/2026 14:12	MMS	G
Turbidity	3.7		NTU	0.30	0.30	SM2130B-2011	1	01/06/2026 11:30	NPF	G

Results

Client Sample ID	M-3	Collected	01/05/2026 11:01
Lab Sample ID	3447499003	Lab Receipt	01/05/2026 18:15

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Barium, Total	0.032		mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Calcium, Total	17.3		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Chromium, Total	0.0014J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Hardness	58.3	1	mg/L	0.73	0.24	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Iron, Total	0.039J	J	mg/L	0.056	0.019	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Magnesium, Total	6.0		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Manganese, Total	0.028		mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:09	ZAS	J
Nickel, Total	0.0040J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Potassium, Total	1.1		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Sodium, Total	9.2		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:33	KXH	J1
Zinc, Total	0.0061		mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:33	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/06/2026 13:52	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0094	SW846 8011	1	01/06/2026 13:52	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:57	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 14:57	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 14:57	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 14:57	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 14:57	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 14:57	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 14:57	TMP	A

Results

Client Sample ID	M-3	Collected	01/05/2026 11:01
Lab Sample ID	3447499003	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:57	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:57	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 14:57	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 14:57	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 14:57	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:57	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:57	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 14:57	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 14:57	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:57	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 14:57	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:57	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 14:57	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:57	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 14:57	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 14:57	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 14:57	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:57	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 14:57	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 14:57	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 14:57	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:57	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 14:57	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 14:57	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 14:57	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 14:57	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 14:57	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 14:57	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 14:57	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 14:57	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 14:57	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 14:57	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	62 – 133	01/08/2026 14:57	
1-Chloro-2-Fluorobenzene	348-51-6	99.3%	70 – 130	01/06/2026 13:52	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	01/08/2026 14:57	
Dibromofluoromethane	1868-53-7	94.5%	78 – 116	01/08/2026 14:57	
Toluene-d8	2037-26-5	99%	76 – 127	01/08/2026 14:57	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	27	2	mg/L	5	5	SM2320B-2011	1	01/06/2026 12:16	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/07/2026 12:22	AYS	I

Results

Client Sample ID	M-3	Collected	01/05/2026 11:01
Lab Sample ID	3447499003	Lab Receipt	01/05/2026 18:15

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/07/2026 11:49	KMS	I
Chloride	30.6		mg/L	0.50	0.22	EPA 300.0	2	01/06/2026 11:33	J1W	G
Nitrate/Nitrite-N	5.5		mg/L	0.10	0.015	EPA 300.0	2	01/06/2026 11:33	J1W	G
pH	6.92	3	pH_Units			S4500HB-11	1	01/06/2026 12:16	TJH	G
Specific Conductance	215		umhos/cm	5	5	SM2510B-2011	1	01/06/2026 15:03	A1L	G
Sulfate	6.0		mg/L	0.50	0.19	EPA 300.0	2	01/06/2026 11:33	J1W	G
Total Dissolved Solids	143		mg/L	25	25	SM2540C-15	1	01/06/2026 14:12	MMS	G
Turbidity	2.0		NTU	0.30	0.30	SM2130B-2011	1	01/06/2026 11:30	NPF	G

Results

Client Sample ID	M-14	Collected	01/05/2026 11:48
Lab Sample ID	3447499004	Lab Receipt	01/05/2026 18:15

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Barium, Total	0.0069		mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Calcium, Total	15.6		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Hardness	57.0	1	mg/L	0.73	0.24	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Magnesium, Total	6.3		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 12:15	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Potassium, Total	2.7		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Sodium, Total	6.2		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:40	KXH	J1
Zinc, Total	0.0020J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:40	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/06/2026 14:25	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/06/2026 14:25	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 15:21	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 15:21	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 15:21	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 15:21	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 15:21	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 15:21	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 15:21	TMP	A

Results

Client Sample ID	M-14	Collected	01/05/2026 11:48
Lab Sample ID	3447499004	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 15:21	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 15:21	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 15:21	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 15:21	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 15:21	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 15:21	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:21	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 15:21	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 15:21	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:21	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 15:21	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:21	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 15:21	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:21	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:21	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 15:21	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 15:21	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:21	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 15:21	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 15:21	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 15:21	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 15:21	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 15:21	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 15:21	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 15:21	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 15:21	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 15:21	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 15:21	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:21	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 15:21	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 15:21	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 15:21	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	01/08/2026 15:21	
1-Chloro-2-Fluorobenzene	348-51-6	99.9%	70 – 130	01/06/2026 14:25	
4-Bromofluorobenzene	460-00-4	98.9%	79 – 114	01/08/2026 15:21	
Dibromofluoromethane	1868-53-7	90.9%	78 – 116	01/08/2026 15:21	
Toluene-d8	2037-26-5	98.4%	76 – 127	01/08/2026 15:21	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	51	2	mg/L	5	5	SM2320B-2011	1	01/06/2026 12:28	TJH	G
Ammonia-N, Low Level	0.02J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/07/2026 12:09	AYS	I

Results

Client Sample ID	M-14	Collected	01/05/2026 11:48
Lab Sample ID	3447499004	Lab Receipt	01/05/2026 18:15

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/07/2026 11:49	KMS	I
Chloride	23.9		mg/L	0.50	0.22	EPA 300.0	2	01/06/2026 11:45	J1W	G
Nitrate/Nitrite-N	0.47		mg/L	0.10	0.015	EPA 300.0	2	01/06/2026 11:45	J1W	G
pH	7.69	3	pH_Units			S4500HB-11	1	01/06/2026 12:28	TJH	G
Specific Conductance	181		umhos/cm	5	5	SM2510B-2011	1	01/06/2026 15:03	A1L	G
Sulfate	0.74		mg/L	0.50	0.19	EPA 300.0	2	01/06/2026 11:45	J1W	G
Total Dissolved Solids	98		mg/L	25	25	SM2540C-15	1	01/06/2026 14:12	MMS	G
Turbidity	1.8		NTU	0.30	0.30	SM2130B-2011	1	01/06/2026 11:30	NPF	G

Results

Client Sample ID	M-15	Collected	01/05/2026 12:29
Lab Sample ID	3447499005	Lab Receipt	01/05/2026 18:15

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Barium, Total	0.0051J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Calcium, Total	18.9		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Hardness	63.5	1	mg/L	0.73	0.24	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Magnesium, Total	6.6		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:14	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Potassium, Total	4.3		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Sodium, Total	5.6		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:38	KXH	J1
Zinc, Total	0.0022J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:38	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.020	0.0047	SW846 8011	1	01/06/2026 14:39	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.020	0.0096	SW846 8011	1	01/06/2026 14:39	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 15:44	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 15:44	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 15:44	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 15:44	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 15:44	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 15:44	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 15:44	TMP	A

Results

Client Sample ID	M-15	Collected	01/05/2026 12:29
Lab Sample ID	3447499005	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 15:44	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 15:44	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 15:44	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 15:44	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 15:44	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 15:44	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:44	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 15:44	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 15:44	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:44	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 15:44	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:44	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 15:44	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:44	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 15:44	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 15:44	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 15:44	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:44	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 15:44	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 15:44	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 15:44	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 15:44	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 15:44	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 15:44	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 15:44	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 15:44	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 15:44	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 15:44	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 15:44	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 15:44	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 15:44	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 15:44	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/08/2026 15:44	
1-Chloro-2-Fluorobenzene	348-51-6	101%	70 – 130	01/06/2026 14:39	
4-Bromofluorobenzene	460-00-4	98.7%	79 – 114	01/08/2026 15:44	
Dibromofluoromethane	1868-53-7	93%	78 – 116	01/08/2026 15:44	
Toluene-d8	2037-26-5	101%	76 – 127	01/08/2026 15:44	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	70	2	mg/L	5	5	SM2320B-2011	1	01/06/2026 12:39	TJH	G
Ammonia-N, Low Level	0.01J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/07/2026 11:46	AYS	I

Results

Client Sample ID	M-15	Collected	01/05/2026 12:29
Lab Sample ID	3447499005	Lab Receipt	01/05/2026 18:15

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/07/2026 11:49	KMS	I
Chloride	15.5		mg/L	0.50	0.22	EPA 300.0	2	01/06/2026 11:58	J1W	G
Nitrate/Nitrite-N	1.6		mg/L	0.10	0.015	EPA 300.0	2	01/06/2026 11:58	J1W	G
pH	7.74	3	pH_Units			S4500HB-11	1	01/06/2026 12:39	TJH	G
Specific Conductance	197		umhos/cm	5	5	SM2510B-2011	1	01/06/2026 15:03	A1L	G
Sulfate	1.2		mg/L	0.50	0.19	EPA 300.0	2	01/06/2026 11:58	J1W	G
Total Dissolved Solids	100		mg/L	25	25	SM2540C-15	1	01/06/2026 14:12	MMS	G
Turbidity	3.2		NTU	0.30	0.30	SM2130B-2011	1	01/06/2026 11:30	NPF	G

Results

Client Sample ID	M-7	Collected	01/05/2026 13:12
Lab Sample ID	3447499006	Lab Receipt	01/05/2026 18:15

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Barium, Total	0.0098		mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Calcium, Total	9.7		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Chromium, Total	0.00075J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Hardness	35.9	1	mg/L	0.73	0.24	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Magnesium, Total	4.2		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:03	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Potassium, Total	0.66		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Sodium, Total	2.7		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:43	KXH	J1
Zinc, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:43	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0047	SW846 8011	1	01/06/2026 14:54	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/06/2026 14:54	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 16:07	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 16:07	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 16:07	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 16:07	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 16:07	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 16:07	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 16:07	TMP	A

Results

Client Sample ID	M-7	Collected	01/05/2026 13:12
Lab Sample ID	3447499006	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 16:07	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 16:07	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 16:07	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 16:07	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 16:07	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 16:07	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:07	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 16:07	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 16:07	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:07	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 16:07	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:07	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 16:07	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:07	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:07	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 16:07	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 16:07	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:07	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 16:07	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 16:07	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 16:07	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 16:07	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 16:07	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 16:07	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 16:07	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 16:07	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 16:07	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 16:07	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:07	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 16:07	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 16:07	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 16:07	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/08/2026 16:07	
1-Chloro-2-Fluorobenzene	348-51-6	111%	70 – 130	01/06/2026 14:54	
4-Bromofluorobenzene	460-00-4	99.7%	79 – 114	01/08/2026 16:07	
Dibromofluoromethane	1868-53-7	91.6%	78 – 116	01/08/2026 16:07	
Toluene-d8	2037-26-5	99.1%	76 – 127	01/08/2026 16:07	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	34	2	mg/L	5	5	SM2320B-2011	1	01/06/2026 12:51	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/07/2026 12:28	AYS	I

Results

Client Sample ID	M-7	Collected	01/05/2026 13:12
Lab Sample ID	3447499006	Lab Receipt	01/05/2026 18:15

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/07/2026 11:49	KMS	I
Chloride	8.9		mg/L	0.50	0.22	EPA 300.0	2	01/06/2026 13:50	J1W	G
Nitrate/Nitrite-N	0.068J	J	mg/L	0.10	0.015	EPA 300.0	2	01/06/2026 13:50	J1W	G
pH	7.24	3	pH_Units			S4500HB-11	1	01/06/2026 12:51	TJH	G
Specific Conductance	102		umhos/cm	5	5	SM2510B-2011	1	01/06/2026 15:03	A1L	G
Sulfate	1.5		mg/L	0.50	0.19	EPA 300.0	2	01/06/2026 13:50	J1W	G
Total Dissolved Solids	51		mg/L	25	25	SM2540C-15	1	01/06/2026 14:12	MMS	G
Turbidity	2.6		NTU	0.30	0.30	SM2130B-2011	1	01/06/2026 11:30	NPF	G

Results

Client Sample ID	R-Blank	Collected	01/05/2026 13:35
Lab Sample ID	3447499007	Lab Receipt	01/05/2026 18:15

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Barium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Calcium, Total	0.060J	J	mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Copper, Total	0.0036J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Hardness	0.25J	J,1	mg/L	0.73	0.24	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Iron, Total	0.21		mg/L	0.056	0.019	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Magnesium, Total	ND	ND	mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:04	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Potassium, Total	ND	ND	mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Sodium, Total	0.17		mg/L	0.11	0.037	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/07/2026 11:30	KXH	J1
Zinc, Total	0.0024J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/07/2026 11:30	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/06/2026 15:09	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0094	SW846 8011	1	01/06/2026 15:09	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 16:31	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 16:31	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 16:31	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 16:31	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 16:31	TMP	A
Acetone	3.3J	J	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 16:31	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 16:31	TMP	A

Results

Client Sample ID	R-Blank	Collected	01/05/2026 13:35
Lab Sample ID	3447499007	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 16:31	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 16:31	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 16:31	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 16:31	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 16:31	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 16:31	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:31	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 16:31	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 16:31	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:31	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 16:31	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:31	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 16:31	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:31	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 16:31	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 16:31	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 16:31	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:31	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 16:31	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 16:31	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 16:31	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 16:31	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 16:31	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 16:31	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 16:31	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 16:31	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 16:31	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 16:31	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 16:31	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 16:31	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 16:31	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 16:31	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/08/2026 16:31	
1-Chloro-2-Fluorobenzene	348-51-6	104%	70 – 130	01/06/2026 15:09	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	01/08/2026 16:31	
Dibromofluoromethane	1868-53-7	92.7%	78 – 116	01/08/2026 16:31	
Toluene-d8	2037-26-5	99.2%	76 – 127	01/08/2026 16:31	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	ND	ND,2	mg/L	5	5	SM2320B-2011	1	01/06/2026 12:59	TJH	G
Ammonia-N, Low Level	0.01J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/07/2026 12:32	AYS	I

Results

Client Sample ID	R-Blank	Collected	01/05/2026 13:35
Lab Sample ID	3447499007	Lab Receipt	01/05/2026 18:15

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/07/2026 11:49	KMS	I
Chloride	ND	ND	mg/L	0.50	0.22	EPA 300.0	2	01/06/2026 12:10	J1W	G
Nitrate/Nitrite-N	ND	ND	mg/L	0.10	0.015	EPA 300.0	2	01/06/2026 12:10	J1W	G
pH	5.80	3	pH_Units			S4500HB-11	1	01/06/2026 12:59	TJH	G
Specific Conductance	ND	ND	umhos/cm	5	5	SM2510B-2011	1	01/06/2026 15:03	A1L	G
Sulfate	ND	ND	mg/L	0.50	0.19	EPA 300.0	2	01/06/2026 12:10	J1W	G
Total Dissolved Solids	ND	ND	mg/L	25	25	SM2540C-15	1	01/12/2026 18:40	RAG	G
Turbidity	2.9		NTU	0.30	0.30	SM2130B-2011	1	01/06/2026 11:30	NPF	G

Results

Client Sample ID	Trip Blank	Collected	01/05/2026 00:00
Lab Sample ID	3447499008	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0047	SW846 8011	1	01/06/2026 15:23	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/06/2026 15:23	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 13:24	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 13:24	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/08/2026 13:24	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/08/2026 13:24	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 13:24	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/08/2026 13:24	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/08/2026 13:24	TMP	A
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 13:24	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 13:24	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/08/2026 13:24	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/08/2026 13:24	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/08/2026 13:24	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 13:24	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 13:24	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/08/2026 13:24	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 13:24	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 13:24	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/08/2026 13:24	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 13:24	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/08/2026 13:24	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 13:24	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/08/2026 13:24	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/08/2026 13:24	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/08/2026 13:24	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 13:24	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/08/2026 13:24	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/08/2026 13:24	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/08/2026 13:24	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 13:24	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/08/2026 13:24	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/08/2026 13:24	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/08/2026 13:24	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/08/2026 13:24	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/08/2026 13:24	TMP	A

Results

Client Sample ID	Trip Blank	Collected	01/05/2026 00:00
Lab Sample ID	3447499008	Lab Receipt	01/05/2026 18:15

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/08/2026 13:24	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/08/2026 13:24	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/08/2026 13:24	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 13:24	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/08/2026 13:24	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/08/2026 13:24	
1-Chloro-2-Fluorobenzene	348-51-6	103%	70 – 130	01/06/2026 15:23	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	01/08/2026 13:24	
Dibromofluoromethane	1868-53-7	93.5%	78 – 116	01/08/2026 13:24	
Toluene-d8	2037-26-5	100%	76 – 127	01/08/2026 13:24	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3447499001	M-4	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447499002	M-6	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447499003	M-3	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447499004	M-14	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3447499005	M-15	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447499006	M-7	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447499007	R-Blank	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447499008	Trip Blank	SW846 8011	SW846 8011	
		SW846 8260B	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3447499001	M-4	SW846 3015A	1501093	01/07/2026 08:50	RMH	SW846 6020A	1501110
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285
		N/A	N/A	N/A		EPA 300.0	1500890
		N/A	N/A	N/A		EPA 410.4	1501094
		N/A	N/A	N/A		S4500HB-11	1500925
		N/A	N/A	N/A		SM 4500-NH3G	1501071
		N/A	N/A	N/A		SM2130B-2011	1500894
		N/A	N/A	N/A		SM2320B-2011	1500925
		N/A	N/A	N/A		SM2510B-2011	1500993
		N/A	N/A	N/A		SM2540C-15	1500919
3447499002	M-6	SW846 3015A	1501093	01/07/2026 08:50	RMH	SW846 6020A	1501110
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285
		N/A	N/A	N/A		EPA 300.0	1500890
		N/A	N/A	N/A		EPA 410.4	1501094
		N/A	N/A	N/A		S4500HB-11	1500925
		N/A	N/A	N/A		SM 4500-NH3G	1501071
		N/A	N/A	N/A		SM2130B-2011	1500894
		N/A	N/A	N/A		SM2320B-2011	1500925
		N/A	N/A	N/A		SM2510B-2011	1500993
		N/A	N/A	N/A		SM2540C-15	1500919
3447499003	M-3	SW846 3015A	1501093	01/07/2026 08:50	RMH	SW846 6020A	1501110
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285
		N/A	N/A	N/A		EPA 300.0	1500890
		N/A	N/A	N/A		EPA 410.4	1501094
		N/A	N/A	N/A		S4500HB-11	1500925
		N/A	N/A	N/A		SM 4500-NH3G	1501071
		N/A	N/A	N/A		SM2130B-2011	1500894
		N/A	N/A	N/A		SM2320B-2011	1500925
		N/A	N/A	N/A		SM2510B-2011	1500993
		N/A	N/A	N/A		SM2540C-15	1500919
3447499004	M-14	SW846 3015A	1501093	01/07/2026 08:50	RMH	SW846 6020A	1501110
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285
		N/A	N/A	N/A		EPA 300.0	1500890
		N/A	N/A	N/A		EPA 410.4	1501094
		N/A	N/A	N/A		S4500HB-11	1500925
		N/A	N/A	N/A		SM 4500-NH3G	1501071
		N/A	N/A	N/A		SM2130B-2011	1500894
		N/A	N/A	N/A		SM2320B-2011	1500925
		N/A	N/A	N/A		SM2510B-2011	1500993
		N/A	N/A	N/A		SM2540C-15	1500919
3447499005	M-15	SW846 3015A	1501093	01/07/2026 08:50	RMH	SW846 6020A	1501110
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285
		N/A	N/A	N/A		EPA 300.0	1500890
		N/A	N/A	N/A		EPA 410.4	1501094
		N/A	N/A	N/A		S4500HB-11	1500925
		N/A	N/A	N/A		SM 4500-NH3G	1501071
		N/A	N/A	N/A		SM2130B-2011	1500894
		N/A	N/A	N/A		SM2320B-2011	1500925
		N/A	N/A	N/A		SM2510B-2011	1500993
		N/A	N/A	N/A		SM2540C-15	1500919

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3447499006	M-7	SW846 3015A	1501093	01/07/2026 08:50	RMH	SW846 6020A	1501110
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285
		N/A	N/A	N/A		EPA 300.0	1500890
		N/A	N/A	N/A		EPA 410.4	1501094
		N/A	N/A	N/A		S4500HB-11	1500925
		N/A	N/A	N/A		SM 4500-NH3G	1501071
		N/A	N/A	N/A		SM2130B-2011	1500894
		N/A	N/A	N/A		SM2320B-2011	1500925
		N/A	N/A	N/A		SM2510B-2011	1500993
		N/A	N/A	N/A		SM2540C-15	1500919
3447499007	R-Blank	SW846 3015A	1501093	01/07/2026 08:50	RMH	SW846 6020A	1501110
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285
		N/A	N/A	N/A		EPA 300.0	1500890
		N/A	N/A	N/A		EPA 410.4	1501094
		N/A	N/A	N/A		S4500HB-11	1500925
		N/A	N/A	N/A		SM 4500-NH3G	1501071
		N/A	N/A	N/A		SM2130B-2011	1500894
		N/A	N/A	N/A		SM2320B-2011	1500925
		N/A	N/A	N/A		SM2510B-2011	1500993
		N/A	N/A	N/A		SM2540C-15	1501629
3447499008	Trip Blank	SW846 8011	1500908	01/06/2026 09:43	SPS	SW846 8011	1500941
		N/A	N/A	N/A		SW846 8260B	1501285

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

3447499
Logged By: DXB
PM: SIW

COC #:

Laboratory: ALS

Sampler: Collin Blake, M

Client Name: Maryland Environmental Service, Attn: Wil Herpel

Facility Name: Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368

Profile#/ Project#: ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same

Turnaround Time: Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-4	Grab	1 Liter Plastic Unpreserved	GW	1	1/5/25	931	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
2	M-6	Grab	Same as number 1	GW	18	1/5/25	1020	Same as number 1
3	M-3						1101	
4	M-14						1148	
5	M-15						1229	

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/5/25	Time 1515	Cooler Receipt Information **(LAB USE ONLY)**
Transferred by: CFCSR ALS 1/5/26 1815	Received by: CFCSR ALS 1/5/26	Date	Time 1513	Sufficient ice? - Yes/No Temp.= 0
Transferred by:	Received by:	Date 1/5/26	Time 1815	Sample containers properly pres'd? - Yes/No If No, explain
Transferred by:	Received by:	Date	Time	
Transferred by:	Received by:	Date	Time	Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

3401499

COC #:	**Laboratory:** ALS	Lab Use Only
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Sampler:** Collin Blake, Megan Smith
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Facility Name:** Northern Landfill (Northern)
Invoice To: Same		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
		Turnaround Time: Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
6	M-7	Grab	1 Liter Plastic Unpreserved	GW	1	1/5/25	1312	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
↓	↓	Grab	250 ml Plastic H2SO4	GW	1	↓	↓	Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
7	R-Blank	Grab	Same as number 1	DI GW	10	1/5/25	1335	Same as number 1
8	Trip Blank	Grab	40 ml Glass VOA Vial, HCl	DI	VOA 3	1/5/25	X	MDE Table I VOC's - 8260 (25 ml purge)
9	Trip Blank	Grab	40 ml Glass VOA Vial, UNP	DI	VOA 3	↓	X	EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/5/25	Time 1515
Transferred by: CHCIR ALS 1/5/26 1815	Received by: CHCSR ALS 1/5/26	Date	Time 1513
Transferred by:	Received by:	Date 1/5/26	Time 1815
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= 0

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

Middletown Sample Condition Form

Client MES Workorder 3447499

Temp °C 0 Therm ID 352 Ice? (Y) N N/A Initials & Date tkh 1-5-26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*				
COC/bottle labels complete & in agreement				
•Sample location				
•Date and time of sample collection				
•Type(s) of preservation				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

1/14/2026 8:38 PM

301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For | Maryland Environmental Service - Landfills SC-0000802

Report ID 487662 on 1/15/2026

Certificate of Analysis

Project Name:	**NORTHERN LANDFILL**	Workorder:	**3447650**
Purchase Order:	**ENVOPS**	Workorder ID:	**NORTHERN LANDFILL**

Enclosed are the analytical results for samples received by the laboratory on Tuesday, January 06, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP)
accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements.
The test results meet requirements of the current NELAP standards or state requirements, where applicable.
For a specific list of accredited
analytes, refer to the certifications section of the ALS website at
www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Maryland Services-ENVOPS - Maryland Environmental Services - Landfills
- Dan Steil - Maryland Environmental Service
- Jessica Cox - Maryland Environmental Services
- Maryland Services-LF Data - Maryland Environmental Services
- William Herpel - Maryland Environmental Service

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3447650001	M-17DR	Ground Water	01/06/2026 08:52	01/06/2026 19:20	C	
3447650002	M-17S	Ground Water	01/06/2026 09:27	01/06/2026 19:20	C	
3447650003	M-23	Ground Water	01/06/2026 10:18	01/06/2026 19:20	C	
3447650004	M-12	Ground Water	01/06/2026 11:02	01/06/2026 19:20	C	
3447650005	M-22	Ground Water	01/06/2026 11:53	01/06/2026 19:20	C	
3447650006	M-19	Ground Water	01/06/2026 12:43	01/06/2026 19:20	C	
3447650007	R-Blank	Ground Water	01/06/2026 13:10	01/06/2026 19:20	C	
3447650008	Trip Blank	Ground Water	01/06/2026 00:00	01/06/2026 19:20	C	

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The QC sample type STDL for method SM2320B-2011 was outside the control limits for the analyte Alkalinity, Total. The % Recovery was reported as 68.5 and the control limits were 90 to 110.
3	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
4	The QC sample type STD 10 for method S4500HB-11 was outside the control limits for the analyte pH. The % Recovery was reported as 99.9 and the control limits were 100 to 101.
5	This sample result was calculated and reported using Method SM2340B-2011.
6	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 61.8 and the control limits were 80 to 120.
7	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 59.9 and the control limits were 80 to 120.
10	The surrogate 1-Chloro-2-Fluorobenzene for method SW846 8011 was outside of control limits. The % Recovery was reported as 66.6 and the control limits were 70 to 130. This result was reported at a dilution of 1.

Detected Results Summary

Client Sample ID	M-17DR	Collected	01/06/2026 08:52
Lab Sample ID	3447650001	Lab Receipt	01/06/2026 19:20

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Arsenic, Total	0.0023J	mg/L	0.0033	0.0011	SW846 6020A	#
Barium, Total	0.18	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	101	mg/L	0.11	0.037	SW846 6020A	#
Hardness	373	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.79	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	39.8	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.16	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0028J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	2.3	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	293	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0028J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	243	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.07J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	618	mg/L	2.5	1.1	EPA 300.0	#
pH	8.23	pH_Units			S4500HB-11	#
Specific Conductance	2320	umhos/cm	5	5	SM2510B-2011	#
Sulfate	6.9	mg/L	1.3	0.47	EPA 300.0	#
Total Dissolved Solids	1270	mg/L	25	25	SM2540C-15	#
Turbidity	9.8	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-17S	Collected	01/06/2026 09:27
Lab Sample ID	3447650002	Lab Receipt	01/06/2026 19:20

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.16	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	113	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0016J	mg/L	0.0022	0.00074	SW846 6020A	#
Copper, Total	0.0025J	mg/L	0.0056	0.0019	SW846 6020A	#
Hardness	397	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.066	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	43.0	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.077	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0041J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.9	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	419	mg/L	11.0	3.7	SW846 6020A	#
Zinc, Total	0.0058	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	332	mg/L	5	5	SM2320B-2011	#
Chloride	670	mg/L	2.5	1.1	EPA 300.0	#
Nitrate/Nitrite-N	3.4	mg/L	0.25	0.038	EPA 300.0	#
pH	8.23	pH_Units			S4500HB-11	#
Specific Conductance	2700	umhos/cm	5	5	SM2510B-2011	#
Sulfate	11.1	mg/L	1.3	0.47	EPA 300.0	#
Total Dissolved Solids	1470	mg/L	25	25	SM2540C-15	#
Turbidity	4.5	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-23	Collected	01/06/2026 10:18
Lab Sample ID	3447650003	Lab Receipt	01/06/2026 19:20

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.0057	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	14.0	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0018J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	84.8	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.12	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	13.8	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.025	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.011	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.4	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	49.9	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0086	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	39	mg/L	5	5	SM2320B-2011	#
Chloride	99.9	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	6.2	mg/L	0.10	0.015	EPA 300.0	#
pH	7.14	pH_Units			S4500HB-11	#
Specific Conductance	464	umhos/cm	5	5	SM2510B-2011	#
Sulfate	1.7	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	268	mg/L	25	25	SM2540C-15	#
Turbidity	6.2	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-12	Collected	01/06/2026 11:02
Lab Sample ID	3447650004	Lab Receipt	01/06/2026 19:20

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.032	mg/L	0.0056	0.0019	SW846 6020A	#
Cadmium, Total	0.00080J	mg/L	0.0011	0.00037	SW846 6020A	#
Calcium, Total	55.9	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0012J	mg/L	0.0022	0.00074	SW846 6020A	#
Copper, Total	0.0026J	mg/L	0.0056	0.0019	SW846 6020A	#
Hardness	216	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.061	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	26.5	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.094	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0044J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	16.2	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	126	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0066	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	184	mg/L	5	5	SM2320B-2011	#
Chloride	248	mg/L	1.3	0.55	EPA 300.0	#
Nitrate/Nitrite-N	0.65	mg/L	0.25	0.038	EPA 300.0	#
pH	8.20	pH_Units			S4500HB-11	#
Specific Conductance	1190	umhos/cm	5	5	SM2510B-2011	#
Sulfate	11.3	mg/L	1.3	0.47	EPA 300.0	#
Total Dissolved Solids	650	mg/L	25	25	SM2540C-15	#
Turbidity	1.1	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-22	Collected	01/06/2026 11:53
Lab Sample ID	3447650005	Lab Receipt	01/06/2026 19:20

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.051	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	16.9	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0013J	mg/L	0.0022	0.00074	SW846 6020A	#
Cobalt, Total	0.021	mg/L	0.0056	0.0019	SW846 6020A	#
Hardness	90.1	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.027J	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	13.5	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	1.7	mg/L	0.0056	0.0019	SW846 6020A	#
Mercury, Total	0.00031J	mg/L	0.00050	0.00017	SW846 7470A	#
Nickel, Total	0.018	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.7	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	44.3	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.025	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	55	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.01J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	88.9	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	3.1	mg/L	0.10	0.015	EPA 300.0	#
pH	7.15	pH_Units			S4500HB-11	#
Specific Conductance	445	umhos/cm	5	5	SM2510B-2011	#
Sulfate	10.4	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	254	mg/L	25	25	SM2540C-15	#
Turbidity	1.5	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-19	Collected	01/06/2026 12:43
Lab Sample ID	3447650006	Lab Receipt	01/06/2026 19:20

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.0079	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	19.9	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.072	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	106	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.23	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	16.7	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.0038J	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.012	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.8	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	123	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0037J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	44	mg/L	5	5	SM2320B-2011	#
Chemical Oxygen Demand (COD)	5J	mg/L	15	5	EPA 410.4	#
Chloride	256	mg/L	1.3	0.55	EPA 300.0	#
Nitrate/Nitrite-N	1.6	mg/L	0.10	0.015	EPA 300.0	#
pH	7.19	pH_Units			S4500HB-11	#
Specific Conductance	914	umhos/cm	5	5	SM2510B-2011	#
Sulfate	6.0	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	508	mg/L	25	25	SM2540C-15	#
Turbidity	4.2	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	R-Blank	Collected	01/06/2026 13:10
Lab Sample ID	3447650007	Lab Receipt	01/06/2026 19:20

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Calcium, Total	0.095J	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0013J	mg/L	0.0022	0.00074	SW846 6020A	#
Iron, Total	0.025J	mg/L	0.056	0.019	SW846 6020A	#
Potassium, Total	0.067J	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	0.30	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0036J	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
2-Butanone	1.7J	ug/L	5.0	1.1	SW846 8260B	#
Acetone	4.1J	ug/L	5.0	1.5	SW846 8260B	#
WET CHEMISTRY						
Chemical Oxygen Demand (COD)	11J	mg/L	15	5	EPA 410.4	#
Chloride	0.25J	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	0.030J	mg/L	0.10	0.015	EPA 300.0	#
pH	5.82	pH_Units			S4500HB-11	#
Turbidity	3.1	NTU	0.30	0.30	SM2130B-2011	#

Results

Client Sample ID	M-17DR	Collected	01/06/2026 08:52
Lab Sample ID	3447650001	Lab Receipt	01/06/2026 19:20

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Arsenic, Total	0.0023J	J	mg/L	0.0033	0.0011	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Barium, Total	0.18		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Calcium, Total	101		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Hardness	373	5	mg/L	0.73	0.24	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Iron, Total	0.79		mg/L	0.056	0.019	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Magnesium, Total	39.8		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Manganese, Total	0.16		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:18	ZAS	J
Nickel, Total	0.0028J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Potassium, Total	2.3		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Sodium, Total	293		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 10:14	KXH	J1
Zinc, Total	0.0028J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 10:14	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/07/2026 14:22	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/07/2026 14:22	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 01:14	IXK	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 01:14	IXK	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/10/2026 01:14	IXK	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/10/2026 01:14	IXK	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 01:14	IXK	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 01:14	IXK	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/10/2026 01:14	IXK	B

Results

Client Sample ID	M-17DR	Collected	01/06/2026 08:52
Lab Sample ID	3447650001	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 01:14	IXK	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 01:14	IXK	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 01:14	IXK	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/10/2026 01:14	IXK	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/10/2026 01:14	IXK	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 01:14	IXK	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:14	IXK	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 01:14	IXK	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 01:14	IXK	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:14	IXK	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/10/2026 01:14	IXK	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:14	IXK	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 01:14	IXK	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:14	IXK	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:14	IXK	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 01:14	IXK	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/10/2026 01:14	IXK	B
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:14	IXK	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 01:14	IXK	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 01:14	IXK	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/10/2026 01:14	IXK	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 01:14	IXK	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 01:14	IXK	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 01:14	IXK	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/10/2026 01:14	IXK	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/10/2026 01:14	IXK	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 01:14	IXK	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/10/2026 01:14	IXK	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:14	IXK	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 01:14	IXK	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 01:14	IXK	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 01:14	IXK	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	62 – 133	01/10/2026 01:14	
1-Chloro-2-Fluorobenzene	348-51-6	77.8%	70 – 130	01/07/2026 14:22	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	01/10/2026 01:14	
Dibromofluoromethane	1868-53-7	95.9%	78 – 116	01/10/2026 01:14	
Toluene-d8	2037-26-5	101%	76 – 127	01/10/2026 01:14	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	243	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 19:54	TJH	G
Ammonia-N, Low Level	0.07J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 15:07	AYS	I

Results

Client Sample ID	M-17DR	Collected	01/06/2026 08:52
Lab Sample ID	3447650001	Lab Receipt	01/06/2026 19:20

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 09:56	KMS	I
Chloride	618		mg/L	2.5	1.1	EPA 300.0	10	01/08/2026 20:05	J1W	G
Nitrate/Nitrite-N	ND	ND	mg/L	0.25	0.038	EPA 300.0	5	01/07/2026 13:01	J1W	G
pH	8.23	3,4	pH_Units			S4500HB-11	1	01/08/2026 19:54	TJH	G
Specific Conductance	2320		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	6.9		mg/L	1.3	0.47	EPA 300.0	5	01/07/2026 13:01	J1W	G
Total Dissolved Solids	1270		mg/L	25	25	SM2540C-15	1	01/07/2026 15:52	MMS	G
Turbidity	9.8		NTU	0.30	0.30	SM2130B-2011	1	01/07/2026 14:01	NPF	G

Results

Client Sample ID	M-17S	Collected	01/06/2026 09:27
Lab Sample ID	3447650002	Lab Receipt	01/06/2026 19:20

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Barium, Total	0.16		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Calcium, Total	113		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Chromium, Total	0.0016J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Copper, Total	0.0025J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Hardness	397	5	mg/L	0.73	0.24	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Iron, Total	0.066		mg/L	0.056	0.019	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Magnesium, Total	43.0		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Manganese, Total	0.077		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:20	ZAS	J
Nickel, Total	0.0041J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Potassium, Total	1.9		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Sodium, Total	419		mg/L	11.0	3.7	SW846 6020A	100	01/13/2026 10:16	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:35	KXH	J1
Zinc, Total	0.0058		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:35	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/07/2026 14:52	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/07/2026 14:52	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 01:38	IXK	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 01:38	IXK	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/10/2026 01:38	IXK	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/10/2026 01:38	IXK	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 01:38	IXK	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 01:38	IXK	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/10/2026 01:38	IXK	B

Results

Client Sample ID	M-17S	Collected	01/06/2026 09:27
Lab Sample ID	3447650002	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 01:38	IXK	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 01:38	IXK	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 01:38	IXK	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/10/2026 01:38	IXK	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/10/2026 01:38	IXK	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 01:38	IXK	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:38	IXK	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 01:38	IXK	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 01:38	IXK	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:38	IXK	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/10/2026 01:38	IXK	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:38	IXK	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 01:38	IXK	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:38	IXK	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 01:38	IXK	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 01:38	IXK	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/10/2026 01:38	IXK	B
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:38	IXK	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 01:38	IXK	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 01:38	IXK	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/10/2026 01:38	IXK	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 01:38	IXK	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 01:38	IXK	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 01:38	IXK	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/10/2026 01:38	IXK	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/10/2026 01:38	IXK	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 01:38	IXK	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/10/2026 01:38	IXK	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 01:38	IXK	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 01:38	IXK	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 01:38	IXK	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 01:38	IXK	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/10/2026 01:38	
1-Chloro-2-Fluorobenzene	348-51-6	81.5%	70 – 130	01/07/2026 14:52	
4-Bromofluorobenzene	460-00-4	99.6%	79 – 114	01/10/2026 01:38	
Dibromofluoromethane	1868-53-7	91.8%	78 – 116	01/10/2026 01:38	
Toluene-d8	2037-26-5	99.7%	76 – 127	01/10/2026 01:38	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	332	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 20:07	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 15:30	AYS	I

Results

Client Sample ID	M-17S	Collected	01/06/2026 09:27
Lab Sample ID	3447650002	Lab Receipt	01/06/2026 19:20

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 09:56	KMS	I
Chloride	670		mg/L	2.5	1.1	EPA 300.0	10	01/08/2026 20:18	J1W	G
Nitrate/Nitrite-N	3.4		mg/L	0.25	0.038	EPA 300.0	5	01/07/2026 10:57	J1W	G
pH	8.23	3,4	pH_Units			S4500HB-11	1	01/08/2026 20:07	TJH	G
Specific Conductance	2700		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	11.1		mg/L	1.3	0.47	EPA 300.0	5	01/07/2026 10:57	J1W	G
Total Dissolved Solids	1470		mg/L	25	25	SM2540C-15	1	01/07/2026 15:52	MMS	G
Turbidity	4.5		NTU	0.30	0.30	SM2130B-2011	1	01/07/2026 14:01	NPF	G

Results

Client Sample ID	M-23	Collected	01/06/2026 10:18
Lab Sample ID	3447650003	Lab Receipt	01/06/2026 19:20

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Barium, Total	0.0057		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Calcium, Total	14.0		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Chromium, Total	0.0018J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Hardness	84.8	5	mg/L	0.73	0.24	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Iron, Total	0.12		mg/L	0.056	0.019	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Magnesium, Total	13.8		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Manganese, Total	0.025		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:16	ZAS	J
Nickel, Total	0.011		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Potassium, Total	1.4		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Sodium, Total	49.9		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:42	KXH	J1
Zinc, Total	0.0086		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:42	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/07/2026 15:21	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/07/2026 15:21	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 02:03	IXK	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 02:03	IXK	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/10/2026 02:03	IXK	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/10/2026 02:03	IXK	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 02:03	IXK	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 02:03	IXK	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/10/2026 02:03	IXK	B

Results

Client Sample ID	M-23	Collected	01/06/2026 10:18
Lab Sample ID	3447650003	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 02:03	IXK	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 02:03	IXK	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 02:03	IXK	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/10/2026 02:03	IXK	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/10/2026 02:03	IXK	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 02:03	IXK	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 02:03	IXK	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 02:03	IXK	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 02:03	IXK	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 02:03	IXK	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/10/2026 02:03	IXK	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 02:03	IXK	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 02:03	IXK	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 02:03	IXK	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 02:03	IXK	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 02:03	IXK	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/10/2026 02:03	IXK	B
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 02:03	IXK	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 02:03	IXK	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 02:03	IXK	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/10/2026 02:03	IXK	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 02:03	IXK	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 02:03	IXK	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 02:03	IXK	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/10/2026 02:03	IXK	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/10/2026 02:03	IXK	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 02:03	IXK	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/10/2026 02:03	IXK	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 02:03	IXK	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 02:03	IXK	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 02:03	IXK	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 02:03	IXK	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	01/10/2026 02:03	
1-Chloro-2-Fluorobenzene	348-51-6	86%	70 – 130	01/07/2026 15:21	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/10/2026 02:03	
Dibromofluoromethane	1868-53-7	91.8%	78 – 116	01/10/2026 02:03	
Toluene-d8	2037-26-5	99.9%	76 – 127	01/10/2026 02:03	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	39	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 20:18	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 15:40	AYS	I

Results

Client Sample ID	M-23	Collected	01/06/2026 10:18
Lab Sample ID	3447650003	Lab Receipt	01/06/2026 19:20

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 09:56	KMS	I
Chloride	99.9		mg/L	0.50	0.22	EPA 300.0	2	01/07/2026 11:09	J1W	G
Nitrate/Nitrite-N	6.2		mg/L	0.10	0.015	EPA 300.0	2	01/07/2026 11:09	J1W	G
pH	7.14	3,4	pH_Units			S4500HB-11	1	01/08/2026 20:18	TJH	G
Specific Conductance	464		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	1.7		mg/L	0.50	0.19	EPA 300.0	2	01/07/2026 11:09	J1W	G
Total Dissolved Solids	268		mg/L	25	25	SM2540C-15	1	01/07/2026 14:22	MMS	G
Turbidity	6.2		NTU	0.30	0.30	SM2130B-2011	1	01/07/2026 14:01	NPF	G

Results

Client Sample ID	M-12	Collected	01/06/2026 11:02
Lab Sample ID	3447650004	Lab Receipt	01/06/2026 19:20

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Barium, Total	0.032		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Cadmium, Total	0.00080J	J	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Calcium, Total	55.9		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Chromium, Total	0.0012J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Copper, Total	0.0026J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Hardness	216	5	mg/L	0.73	0.24	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Iron, Total	0.061		mg/L	0.056	0.019	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Magnesium, Total	26.5		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Manganese, Total	0.094		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 13:55	ZAS	J
Nickel, Total	0.0044J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Potassium, Total	16.2		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Sodium, Total	126		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:37	KXH	J1
Zinc, Total	0.0066		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:37	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/07/2026 15:36	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/07/2026 15:36	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 05:24	IXK	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 05:24	IXK	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/10/2026 05:24	IXK	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/10/2026 05:24	IXK	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 05:24	IXK	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 05:24	IXK	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/10/2026 05:24	IXK	B

Results

Client Sample ID	M-12	Collected	01/06/2026 11:02
Lab Sample ID	3447650004	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 05:24	IXK	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 05:24	IXK	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 05:24	IXK	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/10/2026 05:24	IXK	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/10/2026 05:24	IXK	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 05:24	IXK	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:24	IXK	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 05:24	IXK	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 05:24	IXK	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:24	IXK	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/10/2026 05:24	IXK	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:24	IXK	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 05:24	IXK	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:24	IXK	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:24	IXK	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 05:24	IXK	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/10/2026 05:24	IXK	B
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:24	IXK	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 05:24	IXK	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 05:24	IXK	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/10/2026 05:24	IXK	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 05:24	IXK	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 05:24	IXK	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 05:24	IXK	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/10/2026 05:24	IXK	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/10/2026 05:24	IXK	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 05:24	IXK	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/10/2026 05:24	IXK	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:24	IXK	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 05:24	IXK	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 05:24	IXK	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 05:24	IXK	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/10/2026 05:24	
1-Chloro-2-Fluorobenzene	348-51-6	79%	70 – 130	01/07/2026 15:36	
4-Bromofluorobenzene	460-00-4	103%	79 – 114	01/10/2026 05:24	
Dibromofluoromethane	1868-53-7	92.9%	78 – 116	01/10/2026 05:24	
Toluene-d8	2037-26-5	98.3%	76 – 127	01/10/2026 05:24	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	184	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 20:30	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 15:43	AYS	I

Results

Client Sample ID	M-12	Collected	01/06/2026 11:02
Lab Sample ID	3447650004	Lab Receipt	01/06/2026 19:20

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 09:56	KMS	I
Chloride	248		mg/L	1.3	0.55	EPA 300.0	5	01/07/2026 11:22	J1W	G
Nitrate/Nitrite-N	0.65		mg/L	0.25	0.038	EPA 300.0	5	01/07/2026 11:22	J1W	G
pH	8.20	3,4	pH_Units			S4500HB-11	1	01/08/2026 20:30	TJH	G
Specific Conductance	1190		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	11.3		mg/L	1.3	0.47	EPA 300.0	5	01/07/2026 11:22	J1W	G
Total Dissolved Solids	650		mg/L	25	25	SM2540C-15	1	01/07/2026 14:22	MMS	G
Turbidity	1.1		NTU	0.30	0.30	SM2130B-2011	1	01/07/2026 14:01	NPF	G

Results

Client Sample ID	M-22	Collected	01/06/2026 11:53
Lab Sample ID	3447650005	Lab Receipt	01/06/2026 19:20

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Barium, Total	0.051		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Calcium, Total	16.9		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Chromium, Total	0.0013J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Cobalt, Total	0.021		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Hardness	90.1	5	mg/L	0.73	0.24	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Iron, Total	0.027J	J	mg/L	0.056	0.019	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Magnesium, Total	13.5		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Manganese, Total	1.7		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Mercury, Total	0.00031J	J	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:17	ZAS	J
Nickel, Total	0.018		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Potassium, Total	1.7		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Sodium, Total	44.3		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:45	KXH	J1
Zinc, Total	0.025		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:45	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/07/2026 15:51	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/07/2026 15:51	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 05:48	IXK	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 05:48	IXK	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/10/2026 05:48	IXK	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/10/2026 05:48	IXK	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 05:48	IXK	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 05:48	IXK	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/10/2026 05:48	IXK	B

Results

Client Sample ID	M-22	Collected	01/06/2026 11:53
Lab Sample ID	3447650005	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 05:48	IXK	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 05:48	IXK	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 05:48	IXK	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/10/2026 05:48	IXK	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/10/2026 05:48	IXK	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 05:48	IXK	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:48	IXK	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 05:48	IXK	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 05:48	IXK	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:48	IXK	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/10/2026 05:48	IXK	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:48	IXK	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 05:48	IXK	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:48	IXK	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 05:48	IXK	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 05:48	IXK	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/10/2026 05:48	IXK	B
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:48	IXK	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 05:48	IXK	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 05:48	IXK	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/10/2026 05:48	IXK	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 05:48	IXK	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 05:48	IXK	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 05:48	IXK	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/10/2026 05:48	IXK	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/10/2026 05:48	IXK	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 05:48	IXK	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/10/2026 05:48	IXK	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 05:48	IXK	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 05:48	IXK	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 05:48	IXK	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 05:48	IXK	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/10/2026 05:48	
1-Chloro-2-Fluorobenzene	348-51-6	78.1%	70 – 130	01/07/2026 15:51	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/10/2026 05:48	
Dibromofluoromethane	1868-53-7	93.4%	78 – 116	01/10/2026 05:48	
Toluene-d8	2037-26-5	98.5%	76 – 127	01/10/2026 05:48	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	55	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 20:41	TJH	G
Ammonia-N, Low Level	0.01J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 15:46	AYS	I

Results

Client Sample ID	M-22	Collected	01/06/2026 11:53
Lab Sample ID	3447650005	Lab Receipt	01/06/2026 19:20

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 09:56	KMS	I
Chloride	88.9		mg/L	0.50	0.22	EPA 300.0	2	01/07/2026 11:34	J1W	G
Nitrate/Nitrite-N	3.1		mg/L	0.10	0.015	EPA 300.0	2	01/07/2026 11:34	J1W	G
pH	7.15	3,4	pH_Units			S4500HB-11	1	01/08/2026 20:41	TJH	G
Specific Conductance	445		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	10.4		mg/L	0.50	0.19	EPA 300.0	2	01/07/2026 11:34	J1W	G
Total Dissolved Solids	254		mg/L	25	25	SM2540C-15	1	01/07/2026 14:22	MMS	G
Turbidity	1.5		NTU	0.30	0.30	SM2130B-2011	1	01/07/2026 14:01	NPF	G

Results

Client Sample ID	M-19	Collected	01/06/2026 12:43
Lab Sample ID	3447650006	Lab Receipt	01/06/2026 19:20

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Barium, Total	0.0079		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Calcium, Total	19.9		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Chromium, Total	0.072		mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Hardness	106	5	mg/L	0.73	0.24	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Iron, Total	0.23		mg/L	0.056	0.019	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Magnesium, Total	16.7		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Manganese, Total	0.0038J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 14:15	ZAS	J
Nickel, Total	0.012		mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Potassium, Total	1.8		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Sodium, Total	123		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:40	KXH	J1
Zinc, Total	0.0037J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:40	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/07/2026 16:06	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/07/2026 16:06	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 06:12	IXK	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 06:12	IXK	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/10/2026 06:12	IXK	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/10/2026 06:12	IXK	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 06:12	IXK	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/10/2026 06:12	IXK	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/10/2026 06:12	IXK	A

Results

Client Sample ID	M-19	Collected	01/06/2026 12:43
Lab Sample ID	3447650006	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 06:12	IXK	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 06:12	IXK	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/10/2026 06:12	IXK	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/10/2026 06:12	IXK	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/10/2026 06:12	IXK	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 06:12	IXK	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 06:12	IXK	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/10/2026 06:12	IXK	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 06:12	IXK	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 06:12	IXK	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/10/2026 06:12	IXK	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 06:12	IXK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/10/2026 06:12	IXK	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 06:12	IXK	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/10/2026 06:12	IXK	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/10/2026 06:12	IXK	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/10/2026 06:12	IXK	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 06:12	IXK	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/10/2026 06:12	IXK	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/10/2026 06:12	IXK	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/10/2026 06:12	IXK	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 06:12	IXK	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/10/2026 06:12	IXK	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/10/2026 06:12	IXK	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/10/2026 06:12	IXK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/10/2026 06:12	IXK	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/10/2026 06:12	IXK	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/10/2026 06:12	IXK	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/10/2026 06:12	IXK	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/10/2026 06:12	IXK	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 06:12	IXK	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/10/2026 06:12	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	01/10/2026 06:12	
1-Chloro-2-Fluorobenzene	348-51-6	90.5%	70 – 130	01/07/2026 16:06	
4-Bromofluorobenzene	460-00-4	103%	79 – 114	01/10/2026 06:12	
Dibromofluoromethane	1868-53-7	94.5%	78 – 116	01/10/2026 06:12	
Toluene-d8	2037-26-5	100%	76 – 127	01/10/2026 06:12	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	44	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 20:53	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 15:50	AYS	I

Results

Client Sample ID	M-19	Collected	01/06/2026 12:43
Lab Sample ID	3447650006	Lab Receipt	01/06/2026 19:20

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	5J	J	mg/L	15	5	EPA 410.4	1	01/09/2026 09:56	KMS	I
Chloride	256	6,7	mg/L	1.3	0.55	EPA 300.0	5	01/08/2026 20:31	J1W	G
Nitrate/Nitrite-N	1.6		mg/L	0.10	0.015	EPA 300.0	2	01/07/2026 11:47	J1W	G
pH	7.19	3,4	pH_Units			S4500HB-11	1	01/08/2026 20:53	TJH	G
Specific Conductance	914		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	6.0		mg/L	0.50	0.19	EPA 300.0	2	01/07/2026 11:47	J1W	G
Total Dissolved Solids	508		mg/L	25	25	SM2540C-15	1	01/07/2026 14:22	MMS	G
Turbidity	4.2		NTU	0.30	0.30	SM2130B-2011	1	01/07/2026 14:01	NPF	G

Results

Client Sample ID	R-Blank	Collected	01/06/2026 13:10
Lab Sample ID	3447650007	Lab Receipt	01/06/2026 19:20

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Barium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Calcium, Total	0.095J	J	mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Chromium, Total	0.0013J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Hardness	ND	ND,5	mg/L	0.73	0.24	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Iron, Total	0.025J	J	mg/L	0.056	0.019	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Magnesium, Total	ND	ND	mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/13/2026 13:48	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Potassium, Total	0.067J	J	mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Sodium, Total	0.30		mg/L	0.11	0.037	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/13/2026 09:32	KXH	J1
Zinc, Total	0.0036J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/13/2026 09:32	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/07/2026 16:20	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/07/2026 16:20	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 23:38	IXK	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 23:38	IXK	A
2-Butanone	1.7J	J	ug/L	5.0	1.1	SW846 8260B	1	01/09/2026 23:38	IXK	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/09/2026 23:38	IXK	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 23:38	IXK	A
Acetone	4.1J	J	ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 23:38	IXK	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/09/2026 23:38	IXK	A

Results

Client Sample ID	R-Blank	Collected	01/06/2026 13:10
Lab Sample ID	3447650007	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 23:38	IXK	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 23:38	IXK	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 23:38	IXK	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/09/2026 23:38	IXK	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/09/2026 23:38	IXK	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 23:38	IXK	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:38	IXK	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 23:38	IXK	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 23:38	IXK	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:38	IXK	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/09/2026 23:38	IXK	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:38	IXK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 23:38	IXK	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:38	IXK	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:38	IXK	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 23:38	IXK	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/09/2026 23:38	IXK	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:38	IXK	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 23:38	IXK	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 23:38	IXK	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/09/2026 23:38	IXK	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 23:38	IXK	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 23:38	IXK	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 23:38	IXK	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/09/2026 23:38	IXK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/09/2026 23:38	IXK	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 23:38	IXK	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/09/2026 23:38	IXK	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:38	IXK	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 23:38	IXK	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 23:38	IXK	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 23:38	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/09/2026 23:38	
1-Chloro-2-Fluorobenzene	348-51-6	66.6*%	70 – 130	01/07/2026 16:20	10
4-Bromofluorobenzene	460-00-4	103%	79 – 114	01/09/2026 23:38	
Dibromofluoromethane	1868-53-7	92.4%	78 – 116	01/09/2026 23:38	
Toluene-d8	2037-26-5	99.5%	76 – 127	01/09/2026 23:38	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	ND	ND,1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 21:01	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 15:53	AYS	I

Results

Client Sample ID	R-Blank	Collected	01/06/2026 13:10
Lab Sample ID	3447650007	Lab Receipt	01/06/2026 19:20

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	11J	J	mg/L	15	5	EPA 410.4	1	01/09/2026 09:56	KMS	I
Chloride	0.25J	J	mg/L	0.50	0.22	EPA 300.0	2	01/07/2026 11:59	J1W	G
Nitrate/Nitrite-N	0.030J	J	mg/L	0.10	0.015	EPA 300.0	2	01/07/2026 11:59	J1W	G
pH	5.82	3,4	pH_Units			S4500HB-11	1	01/08/2026 21:01	TJH	G
Specific Conductance	ND	ND	umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	ND	ND	mg/L	0.50	0.19	EPA 300.0	2	01/07/2026 11:59	J1W	G
Total Dissolved Solids	ND	ND	mg/L	25	25	SM2540C-15	1	01/07/2026 14:22	MMS	G
Turbidity	3.1		NTU	0.30	0.30	SM2130B-2011	1	01/07/2026 14:01	NPF	G

Results

Client Sample ID	Trip Blank	Collected	01/06/2026 00:00
Lab Sample ID	3447650008	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0047	SW846 8011	1	01/07/2026 16:35	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/07/2026 16:35	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 22:50	IXK	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 22:50	IXK	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/09/2026 22:50	IXK	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/09/2026 22:50	IXK	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 22:50	IXK	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 22:50	IXK	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/09/2026 22:50	IXK	A
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 22:50	IXK	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 22:50	IXK	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 22:50	IXK	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/09/2026 22:50	IXK	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/09/2026 22:50	IXK	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 22:50	IXK	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:50	IXK	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 22:50	IXK	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 22:50	IXK	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:50	IXK	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/09/2026 22:50	IXK	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:50	IXK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 22:50	IXK	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:50	IXK	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:50	IXK	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 22:50	IXK	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/09/2026 22:50	IXK	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:50	IXK	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 22:50	IXK	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 22:50	IXK	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/09/2026 22:50	IXK	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 22:50	IXK	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 22:50	IXK	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 22:50	IXK	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/09/2026 22:50	IXK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/09/2026 22:50	IXK	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 22:50	IXK	A

Results

Client Sample ID	Trip Blank	Collected	01/06/2026 00:00
Lab Sample ID	3447650008	Lab Receipt	01/06/2026 19:20

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/09/2026 22:50	IXK	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:50	IXK	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 22:50	IXK	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 22:50	IXK	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 22:50	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	01/09/2026 22:50	
1-Chloro-2-Fluorobenzene	348-51-6	97.2%	70 – 130	01/07/2026 16:35	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/09/2026 22:50	
Dibromofluoromethane	1868-53-7	92.2%	78 – 116	01/09/2026 22:50	
Toluene-d8	2037-26-5	100%	76 – 127	01/09/2026 22:50	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3447650001	M-17DR	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447650002	M-17S	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447650003	M-23	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447650004	M-12	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3447650005	M-22	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447650006	M-19	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447650007	R-Blank	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447650008	Trip Blank	SW846 8011	SW846 8011	
		SW846 8260B	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3447650001	M-17DR	SW846 3015A	1501672	01/12/2026 15:13	J1K	SW846 6020A	1501759
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501058
		N/A	N/A	N/A		EPA 300.0	1501286
		N/A	N/A	N/A		EPA 410.4	1501330
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501063
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501078
3447650002	M-17S	SW846 3015A	1501672	01/12/2026 15:13	J1K	SW846 6020A	1501759
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501119
		N/A	N/A	N/A		EPA 300.0	1501286
		N/A	N/A	N/A		EPA 410.4	1501330
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501063
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501078
3447650003	M-23	SW846 3015A	1501672	01/12/2026 15:13	J1K	SW846 6020A	1501759
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501119
		N/A	N/A	N/A		EPA 410.4	1501330
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501063
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501079
3447650004	M-12	SW846 3015A	1501672	01/12/2026 15:13	J1K	SW846 6020A	1501759
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501119
		N/A	N/A	N/A		EPA 410.4	1501330
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501063
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501079
3447650005	M-22	SW846 3015A	1501672	01/12/2026 15:13	J1K	SW846 6020A	1501759
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501119
		N/A	N/A	N/A		EPA 410.4	1501330
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501063
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501079

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3447650006	M-19	SW846 3015A	1501672	01/12/2026 15:13	J1K	SW846 6020A	1501759
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501119
		N/A	N/A	N/A		EPA 300.0	1501286
		N/A	N/A	N/A		EPA 410.4	1501330
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501063
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501079
3447650007	R-Blank	SW846 3015A	1501672	01/12/2026 15:13	J1K	SW846 6020A	1501759
		SW846 7470A	1501597	01/12/2026 15:00	ZAS	SW846 7470A	1501870
		SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501119
		N/A	N/A	N/A		EPA 410.4	1501330
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501063
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501079
3447650008	Trip Blank	SW846 8011	1501092	01/07/2026 11:23	SPS	SW846 8011	1501133
		N/A	N/A	N/A		SW846 8260B	1501042

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

3447650
Logged By: DXB
PM: SIW

COC #: | **Laboratory:** ALS | **Sampler:** Collin Blake, Megan [illegible]

Client Name: Maryland Environmental Service, Attn: Wil Herpel | **Facility Name:** Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368 | **Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same | **Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-170R ✓	Grab	1 Liter Plastic Unpreserved	GW	1	1/6/26	852	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	3	↓	↓	EDB and DBCP - 8011
2	M-175 ✓	Grab	Same as number 1	GW	10	1/6/26	927	Same as number 1
3	M-23 ✓	↓	↓	↓	↓	↓	1018	↓
4	M-12 ✓						1102	
5	M-22 ✓						1153	
								3

Transferred by:	Received by:	Date	Time
Collin Blake	MES Fridge	1/6/26	1430
MES Fridge	Joseph ALS	1/6/26	1515
Joseph ALS	[signature]	1/6/26	1920
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

EDD

344765C

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

Lab Use Only

COC #:	**Laboratory:** ALS	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
Invoice To: Same		**Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
6	M-19 ✓	Grab	1 Liter Plastic Unpreserved	GW	1	1/6/26	1243	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	3	↓	↓	EDB and DBCP - 8011
7	R-Blank ✓	Grab	Same as number 1	GW	10	1/6/26	1310	Same as number 1
8	Trip Blank ✓	Grab	40 ml Glass VOA Vial, HCl	DI	3	1/6/26	X	MDE Table I VOC's - 8260 (25 ml purge)
9	Trip Blank ✓	Grab	40 ml Glass VOA Vial, UNP	DI	3	↓	X	EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/6/26	Time 1430
Transferred by: MES Fridge	Received by: [signature] ALS	Date 1/6/26	Time 1515
Transferred by: [signature] ALS	Received by: [signature]	Date 1/6/26	Time 1920
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

2605

Middletown Sample Condition Form

Client MES Workorder 76052

Temp °C 3 Therm ID 049 Ice? (Y) N N/A Initials & Date LW 1726

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
COC/bottle labels complete & in agreement	X			
•Sample location	X			
•Date and time of sample collection	X			
•Type(s) of preservation	X			
•Number of containers	X			
•Composite or grab	X			
•Matrix	X			
Proper containers, preservation, and volume per method	X			
Received within hold time	X			
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days			X	
CR6 Samples Filtered			X	
OP Samples Filtered			X	
WV Containers 0-6°C			X	
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

1/15/2026 3:57 PM

301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For | Maryland Environmental Service - Landfills SC-0000802

Report ID 487925 on 1/16/2026

Certificate of Analysis

Project Name:	**NORTHERN LANDFILL**	Workorder:	**3447780**
Purchase Order:	**ENVOPS**	Workorder ID:	**NORTHERN LANDFILL**

Enclosed are the analytical results for samples received by the laboratory on Wednesday, January 07, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP)
accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements.
The test results meet requirements of the current NELAP standards or state requirements, where applicable.
For a specific list of accredited
analytes, refer to the certifications section of the ALS website at
www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Maryland Services-ENVOPS - Maryland Environmental Services - Landfills
- Dan Steil - Maryland Environmental Service
- Jessica Cox - Maryland Environmental Services
- Maryland Services-LF Data - Maryland Environmental Services
- William Herpel - Maryland Environmental Service

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3447780001	M-21	Ground Water	01/07/2026 09:19	01/07/2026 18:00	C	
3447780002	M-11D	Ground Water	01/07/2026 10:03	01/07/2026 18:00	C	
3447780003	M-11S	Ground Water	01/07/2026 10:42	01/07/2026 18:00	C	
3447780004	MW-A	Ground Water	01/07/2026 11:25	01/07/2026 18:00	C	
3447780005	MW-A DUP	Ground Water	01/07/2026 11:28	01/07/2026 18:00	C	
3447780006	MW-B	Ground Water	01/07/2026 12:51	01/07/2026 18:00	C	
3447780007	M-18	Ground Water	01/07/2026 13:35	01/07/2026 18:00	C	
3447780008	R-Blank	Ground Water	01/07/2026 13:55	01/07/2026 18:00	C	
3447780009	Trip Blank	Ground Water	01/07/2026 00:00	01/07/2026 18:00	C	

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The QC sample type STDL for method SM2320B-2011 was outside the control limits for the analyte Alkalinity, Total. The % Recovery was reported as 68.5 and the control limits were 90 to 110.
3	The sample was originally run within hold time, but required further analysis that exceeded hold time.
4	This sample was reran out of hold within the instrument's calibration range, for the analyte Nitrate/Nitrite -N, and confirms the initial in-hold reported result.
5	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
6	The QC sample type STD 10 for method S4500HB-11 was outside the control limits for the analyte pH. The % Recovery was reported as 99.9 and the control limits were 100 to 101.
7	This sample result was calculated and reported using Method SM2340B-2011.
8	This sample was reran out of hold within the instrument's calibration range, for the analyte Nitrate/Nitrite -N, and confirms the initial in-hold reported result.This sample was reran out of hold within the instrument's calibration range, for the analyte Nitrate/Nitrite -N, and confirms the initial in-hold reported result.

Detected Results Summary

Client Sample ID	M-21	Collected	01/07/2026 09:19
Lab Sample ID	3447780001	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.034	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	34.1	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.00092J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	136	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.024J	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	15.9	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.020	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0019J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.6	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	43.5	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0079	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	111	mg/L	5	5	SM2320B-2011	#
Chloride	88.6	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	1.2	mg/L	0.10	0.015	EPA 300.0	#
pH	7.66	pH_Units			S4500HB-11	#
Specific Conductance	539	umhos/cm	5	5	SM2510B-2011	#
Sulfate	15.8	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	378	mg/L	25	25	SM2540C-15	#
Turbidity	2.2	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-11D	Collected	01/07/2026 10:03
Lab Sample ID	3447780002	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.037	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	27.3	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.00099J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	136	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	19.4	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.0084	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0024J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.8	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	35.5	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0063	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	74	mg/L	5	5	SM2320B-2011	#
Chloride	98.2	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	3.3	mg/L	0.10	0.015	EPA 300.0	#
pH	7.52	pH_Units			S4500HB-11	#
Specific Conductance	507	umhos/cm	5	5	SM2510B-2011	#
Sulfate	10.1	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	376	mg/L	25	25	SM2540C-15	#
Turbidity	1.5	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-11S	Collected	01/07/2026 10:42
Lab Sample ID	3447780003	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.042	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	18.2	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.00077J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	86.8	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	12.0	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.037	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0020J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	2.5	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	21.3	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0041J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	54	mg/L	5	5	SM2320B-2011	#
Chloride	60.9	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	2.2	mg/L	0.10	0.015	EPA 300.0	#
pH	7.35	pH_Units			S4500HB-11	#
Specific Conductance	322	umhos/cm	5	5	SM2510B-2011	#
Sulfate	3.5	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	211	mg/L	25	25	SM2540C-15	#
Turbidity	1.3	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	MW-A	Collected	01/07/2026 11:25
Lab Sample ID	3447780004	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.038	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	21.6	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0016J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	104	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.22	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	14.5	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.018	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0023J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	2.2	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	12.2	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.011	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
Methyl t-Butyl Ether	0.56J	ug/L	1.0	0.33	SW846 8260B	#
WET CHEMISTRY						
Alkalinity, Total	77	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.02J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	33.3	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	3.5	mg/L	0.10	0.015	EPA 300.0	#
pH	7.45	pH_Units			S4500HB-11	#
Specific Conductance	305	umhos/cm	5	5	SM2510B-2011	#
Sulfate	15.3	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	196	mg/L	25	25	SM2540C-15	#
Turbidity	16	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	MW-A DUP	Collected	01/07/2026 11:28
Lab Sample ID	3447780005	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.039	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	22.0	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0015J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	104	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.28	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	14.4	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.019	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	2.2	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	12.5	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.012	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
Methyl t-Butyl Ether	0.45J	ug/L	1.0	0.33	SW846 8260B	#
WET CHEMISTRY						
Alkalinity, Total	76	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.04J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	33.1	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	3.5	mg/L	0.10	0.015	EPA 300.0	#
pH	7.43	pH_Units			S4500HB-11	#
Specific Conductance	306	umhos/cm	5	5	SM2510B-2011	#
Sulfate	15.1	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	216	mg/L	25	25	SM2540C-15	#
Turbidity	33	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	MW-B	Collected	01/07/2026 12:51
Lab Sample ID	3447780006	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.010	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	28.2	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Total	0.0024	mg/L	0.0022	0.00074	SW846 6020A	#
Cobalt, Total	0.0028J	mg/L	0.0056	0.0019	SW846 6020A	#
Copper, Total	0.015	mg/L	0.0056	0.0019	SW846 6020A	#
Hardness	129	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	3.1	mg/L	0.056	0.019	SW846 6020A	#
Lead, Total	0.0010J	mg/L	0.0022	0.00074	SW846 6020A	#
Magnesium, Total	17.6	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.39	mg/L	0.0056	0.0019	SW846 6020A	#
Nickel, Total	0.0051J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.3	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	17.2	mg/L	0.11	0.037	SW846 6020A	#
Vanadium, Total	0.0013J	mg/L	0.0022	0.00074	SW846 6020A	#
Zinc, Total	0.016	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
Acrylonitrile	4.4J	ug/L	5.0	1.2	SW846 8260B	#
Benzene	11.3	ug/L	1.0	0.23	SW846 8260B	#
mp-Xylene	0.99J	ug/L	1.0	0.28	SW846 8260B	#
Styrene	0.35J	ug/L	1.0	0.24	SW846 8260B	#
Toluene	4.3	ug/L	1.0	0.23	SW846 8260B	#
Total Xylenes	1.0J	ug/L	1.5	0.42	SW846 8260B	#
WET CHEMISTRY						
Alkalinity, Total	98	mg/L	5	5	SM2320B-2011	#
Chloride	34.1	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	2.2	mg/L	0.10	0.015	EPA 300.0	#
pH	7.60	pH_Units			S4500HB-11	#
Specific Conductance	367	umhos/cm	5	5	SM2510B-2011	#
Sulfate	27.6	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	256	mg/L	25	25	SM2540C-15	#
Turbidity	60	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-18	Collected	01/07/2026 13:35
Lab Sample ID	3447780007	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Arsenic, Total	0.0056	mg/L	0.0033	0.0011	SW846 6020A	#
Barium, Total	0.032	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	46.0	mg/L	0.11	0.037	SW846 6020A	#
Hardness	175	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	20.1	mg/L	0.11	0.037	SW846 6020A	#
Nickel, Total	0.0020J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	17.4	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	14.6	mg/L	0.11	0.037	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	183	mg/L	5	5	SM2320B-2011	#
Chloride	31.3	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	2.2	mg/L	0.10	0.015	EPA 300.0	#
pH	8.30	pH_Units			S4500HB-11	#
Specific Conductance	473	umhos/cm	5	5	SM2510B-2011	#
Sulfate	12.0	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	256	mg/L	25	25	SM2540C-15	#
Turbidity	2.2	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	R-Blank	Collected	01/07/2026 13:55
Lab Sample ID	3447780008	Lab Receipt	01/07/2026 18:00

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.0022J	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	0.30	mg/L	0.11	0.037	SW846 6020A	#
Hardness	0.76	mg/L	0.73	0.24	SW846 6020A	#
Potassium, Total	0.054J	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	0.12	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0044J	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
Acetone	6.0	ug/L	5.0	1.5	SW846 8260B	#
Carbon Disulfide	0.61J	ug/L	1.0	0.23	SW846 8260B	#
WET CHEMISTRY						
pH	5.90	pH_Units			S4500HB-11	#
Turbidity	1.5	NTU	0.30	0.30	SM2130B-2011	#

Results

Client Sample ID	M-21	Collected	01/07/2026 09:19
Lab Sample ID	3447780001	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Barium, Total	0.034		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Calcium, Total	34.1		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Chromium, Total	0.00092J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Hardness	136	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Iron, Total	0.024J	J	mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Magnesium, Total	15.9		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Manganese, Total	0.020		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 11:46	ZAS	J
Nickel, Total	0.0019J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Potassium, Total	1.6		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Sodium, Total	43.5		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:32	KXH	J1
Zinc, Total	0.0079		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:32	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.020	0.0048	SW846 8011	1	01/09/2026 13:35	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,2-Dibromoethane	ND	ND	ug/L	0.020	0.0097	SW846 8011	1	01/09/2026 13:35	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:12	TMP	C
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 13:12	TMP	C
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 13:12	TMP	C
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 13:12	TMP	C
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 13:12	TMP	C
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 13:12	TMP	C
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 13:12	TMP	C

Results

Client Sample ID	M-21	Collected	01/07/2026 09:19
Lab Sample ID	3447780001	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:12	TMP	C
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:12	TMP	C
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 13:12	TMP	C
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 13:12	TMP	C
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 13:12	TMP	C
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:12	TMP	C
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:12	TMP	C
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 13:12	TMP	C
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 13:12	TMP	C
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:12	TMP	C
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 13:12	TMP	C
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:12	TMP	C
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:12	TMP	C
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:12	TMP	C
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:12	TMP	C
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 13:12	TMP	C
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 13:12	TMP	C
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:12	TMP	C
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 13:12	TMP	C
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:12	TMP	C
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 13:12	TMP	C
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:12	TMP	C
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 13:12	TMP	C
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:12	TMP	C
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 13:12	TMP	C
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 13:12	TMP	C
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:12	TMP	C
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 13:12	TMP	C
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:12	TMP	C
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:12	TMP	C
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 13:12	TMP	C
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 13:12	TMP	C

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	62 – 133	01/13/2026 13:12	
1-Chloro-2-Fluorobenzene	348-51-6	100%	70 – 130	01/09/2026 13:35	
4-Bromofluorobenzene	460-00-4	97.3%	79 – 114	01/13/2026 13:12	
Dibromofluoromethane	1868-53-7	92.2%	78 – 116	01/13/2026 13:12	
Toluene-d8	2037-26-5	101%	76 – 127	01/13/2026 13:12	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	111	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 22:40	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 17:27	AYS	I

Results

Client Sample ID	M-21	Collected	01/07/2026 09:19
Lab Sample ID	3447780001	Lab Receipt	01/07/2026 18:00

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	88.6		mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 17:29	J1W	G
Nitrate/Nitrite-N	1.2	3,4	mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 17:29	J1W	G
pH	7.66	5,6	pH_Units			S4500HB-11	1	01/08/2026 22:40	TJH	G
Specific Conductance	539		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	15.8		mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 17:29	J1W	G
Total Dissolved Solids	378		mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	2.2		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	M-11D	Collected	01/07/2026 10:03
Lab Sample ID	3447780002	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Barium, Total	0.037		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Calcium, Total	27.3		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Chromium, Total	0.00099J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Hardness	136	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Magnesium, Total	19.4		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Manganese, Total	0.0084		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 11:51	ZAS	J
Nickel, Total	0.0024J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Potassium, Total	1.8		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Sodium, Total	35.5		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:44	KXH	J1
Zinc, Total	0.0063		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:44	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.020	0.0047	SW846 8011	1	01/09/2026 13:50	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,2-Dibromoethane	ND	ND	ug/L	0.020	0.0096	SW846 8011	1	01/09/2026 13:50	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:35	TMP	C
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 13:35	TMP	C
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 13:35	TMP	C
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 13:35	TMP	C
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 13:35	TMP	C
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 13:35	TMP	C
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 13:35	TMP	C

Results

Client Sample ID	M-11D	Collected	01/07/2026 10:03
Lab Sample ID	3447780002	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:35	TMP	C
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:35	TMP	C
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 13:35	TMP	C
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 13:35	TMP	C
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 13:35	TMP	C
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:35	TMP	C
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:35	TMP	C
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 13:35	TMP	C
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 13:35	TMP	C
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:35	TMP	C
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 13:35	TMP	C
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:35	TMP	C
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:35	TMP	C
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:35	TMP	C
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:35	TMP	C
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 13:35	TMP	C
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 13:35	TMP	C
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:35	TMP	C
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 13:35	TMP	C
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:35	TMP	C
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 13:35	TMP	C
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:35	TMP	C
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 13:35	TMP	C
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:35	TMP	C
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 13:35	TMP	C
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 13:35	TMP	C
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:35	TMP	C
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 13:35	TMP	C
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:35	TMP	C
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:35	TMP	C
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 13:35	TMP	C
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 13:35	TMP	C

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	01/13/2026 13:35	
1-Chloro-2-Fluorobenzene	348-51-6	99.1%	70 – 130	01/09/2026 13:50	
4-Bromofluorobenzene	460-00-4	98.1%	79 – 114	01/13/2026 13:35	
Dibromofluoromethane	1868-53-7	93.5%	78 – 116	01/13/2026 13:35	
Toluene-d8	2037-26-5	101%	76 – 127	01/13/2026 13:35	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	74	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 22:50	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 17:30	AYS	I

Results

Client Sample ID	M-11D	Collected	01/07/2026 10:03
Lab Sample ID	3447780002	Lab Receipt	01/07/2026 18:00

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	98.2		mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 17:42	J1W	G
Nitrate/Nitrite-N	3.3	3,4	mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 17:42	J1W	G
pH	7.52	5,6	pH_Units			S4500HB-11	1	01/08/2026 22:50	TJH	G
Specific Conductance	507		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	10.1		mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 17:42	J1W	G
Total Dissolved Solids	376		mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	1.5		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	M-11S	Collected	01/07/2026 10:42
Lab Sample ID	3447780003	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Barium, Total	0.042		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Calcium, Total	18.2		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Chromium, Total	0.00077J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Hardness	86.8	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Magnesium, Total	12.0		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Manganese, Total	0.037		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 11:52	ZAS	J
Nickel, Total	0.0020J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Potassium, Total	2.5		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Sodium, Total	21.3		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:49	KXH	J1
Zinc, Total	0.0041J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:49	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 14:04	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0094	SW846 8011	1	01/09/2026 14:04	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:58	TMP	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 13:58	TMP	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 13:58	TMP	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 13:58	TMP	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 13:58	TMP	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 13:58	TMP	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 13:58	TMP	B

Results

Client Sample ID	M-11S	Collected	01/07/2026 10:42
Lab Sample ID	3447780003	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:58	TMP	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:58	TMP	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 13:58	TMP	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 13:58	TMP	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 13:58	TMP	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:58	TMP	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:58	TMP	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 13:58	TMP	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 13:58	TMP	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:58	TMP	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 13:58	TMP	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:58	TMP	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 13:58	TMP	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:58	TMP	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 13:58	TMP	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 13:58	TMP	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 13:58	TMP	B
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:58	TMP	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 13:58	TMP	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 13:58	TMP	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 13:58	TMP	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:58	TMP	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 13:58	TMP	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 13:58	TMP	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 13:58	TMP	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 13:58	TMP	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 13:58	TMP	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 13:58	TMP	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 13:58	TMP	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 13:58	TMP	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 13:58	TMP	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 13:58	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	01/13/2026 13:58	
1-Chloro-2-Fluorobenzene	348-51-6	95.5%	70 – 130	01/09/2026 14:04	
4-Bromofluorobenzene	460-00-4	97.1%	79 – 114	01/13/2026 13:58	
Dibromofluoromethane	1868-53-7	92%	78 – 116	01/13/2026 13:58	
Toluene-d8	2037-26-5	98.8%	76 – 127	01/13/2026 13:58	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	54	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 23:01	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 17:40	AYS	I

Results

Client Sample ID	M-11S	Collected	01/07/2026 10:42
Lab Sample ID	3447780003	Lab Receipt	01/07/2026 18:00

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	60.9		mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 17:54	J1W	G
Nitrate/Nitrite-N	2.2	3,4	mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 17:54	J1W	G
pH	7.35	5,6	pH_Units			S4500HB-11	1	01/08/2026 23:01	TJH	G
Specific Conductance	322		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	3.5		mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 17:54	J1W	G
Total Dissolved Solids	211		mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	1.3		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	MW-A	Collected	01/07/2026 11:25
Lab Sample ID	3447780004	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Barium, Total	0.038		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Calcium, Total	21.6		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Chromium, Total	0.0016J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Hardness	104	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Iron, Total	0.22		mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Magnesium, Total	14.5		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Manganese, Total	0.018		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 11:53	ZAS	J
Nickel, Total	0.0023J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Potassium, Total	2.2		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Sodium, Total	12.2		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:59	KXH	J1
Zinc, Total	0.011		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:59	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 14:19	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/09/2026 14:19	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 14:21	TMP	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 14:21	TMP	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 14:21	TMP	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 14:21	TMP	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 14:21	TMP	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 14:21	TMP	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 14:21	TMP	B

Results

Client Sample ID	MW-A	Collected	01/07/2026 11:25
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VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 14:21	TMP	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 14:21	TMP	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 14:21	TMP	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 14:21	TMP	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 14:21	TMP	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 14:21	TMP	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:21	TMP	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 14:21	TMP	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 14:21	TMP	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:21	TMP	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 14:21	TMP	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:21	TMP	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 14:21	TMP	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:21	TMP	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:21	TMP	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 14:21	TMP	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 14:21	TMP	B
Methyl t-Butyl Ether	0.56J	J	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:21	TMP	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 14:21	TMP	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 14:21	TMP	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 14:21	TMP	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 14:21	TMP	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 14:21	TMP	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 14:21	TMP	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 14:21	TMP	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 14:21	TMP	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 14:21	TMP	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 14:21	TMP	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:21	TMP	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 14:21	TMP	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 14:21	TMP	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 14:21	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	01/13/2026 14:21	
1-Chloro-2-Fluorobenzene	348-51-6	93.7%	70 – 130	01/09/2026 14:19	
4-Bromofluorobenzene	460-00-4	98.6%	79 – 114	01/13/2026 14:21	
Dibromofluoromethane	1868-53-7	92.2%	78 – 116	01/13/2026 14:21	
Toluene-d8	2037-26-5	100%	76 – 127	01/13/2026 14:21	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	77	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 23:12	TJH	G
Ammonia-N, Low Level	0.02J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 17:47	AYS	I

Results

Client Sample ID	MW-A	Collected	01/07/2026 11:25
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WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	33.3		mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 18:06	J1W	G
Nitrate/Nitrite-N	3.5		mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 18:06	J1W	G
pH	7.45	5,6	pH_Units			S4500HB-11	1	01/08/2026 23:12	TJH	G
Specific Conductance	305		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	15.3		mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 18:06	J1W	G
Total Dissolved Solids	196		mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	16		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	MW-A DUP	Collected	01/07/2026 11:28
Lab Sample ID	3447780005	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Barium, Total	0.039		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Calcium, Total	22.0		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Chromium, Total	0.0015J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Hardness	104	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Iron, Total	0.28		mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Magnesium, Total	14.4		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Manganese, Total	0.019		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 11:55	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Potassium, Total	2.2		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Sodium, Total	12.5		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:56	KXH	J1
Zinc, Total	0.012		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:56	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0045	SW846 8011	1	01/09/2026 14:33	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0092	SW846 8011	1	01/09/2026 14:33	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 14:43	TMP	B
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 14:43	TMP	B
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 14:43	TMP	B
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 14:43	TMP	B
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 14:43	TMP	B
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 14:43	TMP	B
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 14:43	TMP	B

Results

Client Sample ID	MW-A DUP	Collected	01/07/2026 11:28
Lab Sample ID	3447780005	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 14:43	TMP	B
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 14:43	TMP	B
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 14:43	TMP	B
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 14:43	TMP	B
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 14:43	TMP	B
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 14:43	TMP	B
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:43	TMP	B
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 14:43	TMP	B
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 14:43	TMP	B
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:43	TMP	B
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 14:43	TMP	B
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:43	TMP	B
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 14:43	TMP	B
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:43	TMP	B
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 14:43	TMP	B
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 14:43	TMP	B
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 14:43	TMP	B
Methyl t-Butyl Ether	0.45J	J	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:43	TMP	B
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 14:43	TMP	B
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 14:43	TMP	B
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 14:43	TMP	B
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 14:43	TMP	B
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 14:43	TMP	B
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 14:43	TMP	B
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 14:43	TMP	B
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 14:43	TMP	B
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 14:43	TMP	B
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 14:43	TMP	B
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 14:43	TMP	B
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 14:43	TMP	B
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 14:43	TMP	B
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 14:43	TMP	B

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/13/2026 14:43	
1-Chloro-2-Fluorobenzene	348-51-6	93.2%	70 – 130	01/09/2026 14:33	
4-Bromofluorobenzene	460-00-4	99.1%	79 – 114	01/13/2026 14:43	
Dibromofluoromethane	1868-53-7	91.4%	78 – 116	01/13/2026 14:43	
Toluene-d8	2037-26-5	101%	76 – 127	01/13/2026 14:43	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	76	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 23:23	TJH	G
Ammonia-N, Low Level	0.04J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 17:50	AYS	I

Results

Client Sample ID	MW-A DUP	Collected	01/07/2026 11:28
Lab Sample ID	3447780005	Lab Receipt	01/07/2026 18:00

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	33.1		mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 18:19	J1W	G
Nitrate/Nitrite-N	3.5	3,4	mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 18:19	J1W	G
pH	7.43	5,6	pH_Units			S4500HB-11	1	01/08/2026 23:23	TJH	G
Specific Conductance	306		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	15.1		mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 18:19	J1W	G
Total Dissolved Solids	216		mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	33		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	MW-B	Collected	01/07/2026 12:51
Lab Sample ID	3447780006	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Barium, Total	0.010		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Calcium, Total	28.2		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Chromium, Total	0.0024		mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Cobalt, Total	0.0028J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Copper, Total	0.015		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Hardness	129	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Iron, Total	3.1		mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Lead, Total	0.0010J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Magnesium, Total	17.6		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Manganese, Total	0.39		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 12:01	ZAS	J
Nickel, Total	0.0051J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Potassium, Total	1.3		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Sodium, Total	17.2		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Vanadium, Total	0.0013J	J	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:11	KXH	J1
Zinc, Total	0.016		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:11	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 14:48	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0094	SW846 8011	1	01/09/2026 14:48	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 15:06	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 15:06	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 15:06	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 15:06	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 15:06	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 15:06	TMP	A
Acrylonitrile	4.4J	J	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 15:06	TMP	A

Results

Client Sample ID	MW-B	Collected	01/07/2026 12:51
Lab Sample ID	3447780006	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	11.3		ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 15:06	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 15:06	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 15:06	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 15:06	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 15:06	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 15:06	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:06	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 15:06	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 15:06	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:06	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 15:06	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:06	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 15:06	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:06	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:06	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 15:06	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 15:06	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:06	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 15:06	TMP	A
mp-Xylene	0.99J	J	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 15:06	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 15:06	TMP	A
Styrene	0.35J	J	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 15:06	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 15:06	TMP	A
Toluene	4.3		ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 15:06	TMP	A
Total Xylenes	1.0J	J	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 15:06	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 15:06	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 15:06	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 15:06	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:06	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 15:06	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 15:06	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 15:06	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	01/13/2026 15:06	
1-Chloro-2-Fluorobenzene	348-51-6	95%	70 – 130	01/09/2026 14:48	
4-Bromofluorobenzene	460-00-4	99.6%	79 – 114	01/13/2026 15:06	
Dibromofluoromethane	1868-53-7	92.1%	78 – 116	01/13/2026 15:06	
Toluene-d8	2037-26-5	101%	76 – 127	01/13/2026 15:06	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	98	1,2	mg/L	5	5	SM2320B-2011	1	01/08/2026 23:35	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 17:53	AYS	I

Results

Client Sample ID	MW-B	Collected	01/07/2026 12:51
Lab Sample ID	3447780006	Lab Receipt	01/07/2026 18:00

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	34.1		mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 18:31	J1W	G
Nitrate/Nitrite-N	2.2	3,8	mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 18:31	J1W	G
pH	7.60	5,6	pH_Units			S4500HB-11	1	01/08/2026 23:35	TJH	G
Specific Conductance	367		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	27.6		mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 18:31	J1W	G
Total Dissolved Solids	256		mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	60		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	M-18	Collected	01/07/2026 13:35
Lab Sample ID	3447780007	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Arsenic, Total	0.0056		mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Barium, Total	0.032		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Calcium, Total	46.0		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Hardness	175	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Magnesium, Total	20.1		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 11:59	ZAS	J
Nickel, Total	0.0020J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Potassium, Total	17.4		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Sodium, Total	14.6		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:46	KXH	J1
Zinc, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:46	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 15:03	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/09/2026 15:03	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 15:52	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 15:52	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 15:52	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 15:52	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 15:52	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 15:52	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 15:52	TMP	A

Results

Client Sample ID	M-18	Collected	01/07/2026 13:35
Lab Sample ID	3447780007	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 15:52	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 15:52	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 15:52	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 15:52	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 15:52	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 15:52	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:52	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 15:52	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 15:52	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:52	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 15:52	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:52	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 15:52	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:52	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 15:52	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 15:52	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 15:52	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:52	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 15:52	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 15:52	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 15:52	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 15:52	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 15:52	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 15:52	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 15:52	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 15:52	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 15:52	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 15:52	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 15:52	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 15:52	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 15:52	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 15:52	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	62 – 133	01/13/2026 15:52	
1-Chloro-2-Fluorobenzene	348-51-6	88.9%	70 – 130	01/09/2026 15:03	
4-Bromofluorobenzene	460-00-4	98.3%	79 – 114	01/13/2026 15:52	
Dibromofluoromethane	1868-53-7	94.5%	78 – 116	01/13/2026 15:52	
Toluene-d8	2037-26-5	102%	76 – 127	01/13/2026 15:52	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	183	1,2	mg/L	5	5	SM2320B-2011	1	01/09/2026 00:31	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 17:56	AYS	I

Results

Client Sample ID	M-18	Collected	01/07/2026 13:35
Lab Sample ID	3447780007	Lab Receipt	01/07/2026 18:00

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	31.3		mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 19:21	J1W	G
Nitrate/Nitrite-N	2.2		mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 19:21	J1W	G
pH	8.30	5,6	pH_Units			S4500HB-11	1	01/09/2026 00:31	TJH	G
Specific Conductance	473		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	12.0		mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 19:21	J1W	G
Total Dissolved Solids	256		mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	2.2		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	R-Blank	Collected	01/07/2026 13:55
Lab Sample ID	3447780008	Lab Receipt	01/07/2026 18:00

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Barium, Total	0.0022J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Calcium, Total	0.30		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Hardness	0.76	7	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Magnesium, Total	ND	ND	mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 11:58	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Potassium, Total	0.054J	J	mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Sodium, Total	0.12		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 10:20	KXH	J1
Zinc, Total	0.0044J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 10:20	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0047	SW846 8011	1	01/09/2026 15:17	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0096	SW846 8011	1	01/09/2026 15:17	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 23:14	IXK	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 23:14	IXK	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/09/2026 23:14	IXK	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/09/2026 23:14	IXK	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 23:14	IXK	A
Acetone	6.0		ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 23:14	IXK	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/09/2026 23:14	IXK	A

Results

Client Sample ID	R-Blank	Collected	01/07/2026 13:55
Lab Sample ID	3447780008	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 23:14	IXK	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 23:14	IXK	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 23:14	IXK	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/09/2026 23:14	IXK	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/09/2026 23:14	IXK	A
Carbon Disulfide	0.61J	J	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 23:14	IXK	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:14	IXK	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 23:14	IXK	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 23:14	IXK	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:14	IXK	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/09/2026 23:14	IXK	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:14	IXK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 23:14	IXK	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:14	IXK	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 23:14	IXK	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 23:14	IXK	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/09/2026 23:14	IXK	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:14	IXK	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 23:14	IXK	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 23:14	IXK	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/09/2026 23:14	IXK	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 23:14	IXK	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 23:14	IXK	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 23:14	IXK	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/09/2026 23:14	IXK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/09/2026 23:14	IXK	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 23:14	IXK	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/09/2026 23:14	IXK	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 23:14	IXK	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 23:14	IXK	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 23:14	IXK	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 23:14	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	01/09/2026 23:14	
1-Chloro-2-Fluorobenzene	348-51-6	97.1%	70 – 130	01/09/2026 15:17	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/09/2026 23:14	
Dibromofluoromethane	1868-53-7	93.3%	78 – 116	01/09/2026 23:14	
Toluene-d8	2037-26-5	98.8%	76 – 127	01/09/2026 23:14	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	ND	ND,1,2	mg/L	5	5	SM2320B-2011	1	01/09/2026 00:40	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/12/2026 18:00	AYS	I

Results

Client Sample ID	R-Blank	Collected	01/07/2026 13:55
Lab Sample ID	3447780008	Lab Receipt	01/07/2026 18:00

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/09/2026 14:08	KMS	I
Chloride	ND	ND	mg/L	0.50	0.22	EPA 300.0	2	01/08/2026 19:33	J1W	G
Nitrate/Nitrite-N	ND	ND	mg/L	0.10	0.015	EPA 300.0	2	01/08/2026 19:33	J1W	G
pH	5.90	5,6	pH_Units			S4500HB-11	1	01/09/2026 00:40	TJH	G
Specific Conductance	ND	ND	umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	ND	ND	mg/L	0.50	0.19	EPA 300.0	2	01/08/2026 19:33	J1W	G
Total Dissolved Solids	ND	ND	mg/L	25	25	SM2540C-15	1	01/09/2026 19:30	MMS	G
Turbidity	1.5		NTU	0.30	0.30	SM2130B-2011	1	01/08/2026 14:10	NPF	G

Results

Client Sample ID	Trip Blank	Collected	01/07/2026 00:00
Lab Sample ID	3447780009	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 15:32	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/09/2026 15:32	SPS	D
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 22:26	IXK	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 22:26	IXK	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/09/2026 22:26	IXK	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/09/2026 22:26	IXK	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 22:26	IXK	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/09/2026 22:26	IXK	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/09/2026 22:26	IXK	A
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 22:26	IXK	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 22:26	IXK	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/09/2026 22:26	IXK	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/09/2026 22:26	IXK	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/09/2026 22:26	IXK	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 22:26	IXK	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:26	IXK	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/09/2026 22:26	IXK	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 22:26	IXK	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:26	IXK	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/09/2026 22:26	IXK	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:26	IXK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/09/2026 22:26	IXK	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:26	IXK	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/09/2026 22:26	IXK	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/09/2026 22:26	IXK	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/09/2026 22:26	IXK	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:26	IXK	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/09/2026 22:26	IXK	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/09/2026 22:26	IXK	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/09/2026 22:26	IXK	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 22:26	IXK	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/09/2026 22:26	IXK	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/09/2026 22:26	IXK	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/09/2026 22:26	IXK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/09/2026 22:26	IXK	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/09/2026 22:26	IXK	A

Results

Client Sample ID	Trip Blank	Collected	01/07/2026 00:00
Lab Sample ID	3447780009	Lab Receipt	01/07/2026 18:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/09/2026 22:26	IXK	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/09/2026 22:26	IXK	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/09/2026 22:26	IXK	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 22:26	IXK	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/09/2026 22:26	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.8%	62 – 133	01/09/2026 22:26	
1-Chloro-2-Fluorobenzene	348-51-6	101%	70 – 130	01/09/2026 15:32	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	01/09/2026 22:26	
Dibromofluoromethane	1868-53-7	91.4%	78 – 116	01/09/2026 22:26	
Toluene-d8	2037-26-5	98.1%	76 – 127	01/09/2026 22:26	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3447780001	M-21	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447780002	M-11D	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447780003	M-11S	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447780004	MW-A	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3447780005	MW-A DUP	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447780006	MW-B	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447780007	M-18	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447780008	R-Blank	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3447780009	Trip Blank	SW846 8011	SW846 8011	
		SW846 8260B	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3447780001	M-21	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259
3447780002	M-11D	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259
3447780003	M-11S	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259
3447780004	MW-A	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259
3447780005	MW-A DUP	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3447780006	MW-B	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259
3447780007	M-18	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259
3447780008	R-Blank	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501042
		N/A	N/A	N/A		EPA 300.0	1501204
		N/A	N/A	N/A		EPA 410.4	1501452
		N/A	N/A	N/A		S4500HB-11	1501281
		N/A	N/A	N/A		SM 4500-NH3G	1501508
		N/A	N/A	N/A		SM2130B-2011	1501207
		N/A	N/A	N/A		SM2320B-2011	1501281
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501259
3447780009	Trip Blank	SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501042

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

3447780
Logged By: SLS
PM: SIW

COC #:

Laboratory: ALS

Sampler: Collin Blak

Client Name: Maryland Environmental Service, Attn: Wil Herpel

Facility Name: Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368

Profile#/ Project#: ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same

Turnaround Time: Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-21	Grab	1 Liter Plastic Unpreserved	GW	1	1/7/26	919	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
2	M-110	Grab	Same as number 1	GW	10		1003	Same as number 1
3	M-115						1042	
4	MW-A						1125	
5	MW-A dup						1128	
6	MW-B						1251	3

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/7/26	Time 1515
Transferred by: MES Fridge	Received by: ALS	Date 1/7/26	Time 1515
Transferred by: ALS	Received by:	Date 1/7/26	Time 1800
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

6005

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

347780

Lab Use Only

COC #:	**Laboratory:** ALS	**Sampler:** Collin Blake, Megan Smith
Client Name: Maryland Environmental Service, Attn: Wil Herpel		**Facility Name:** Northern Landfill (Northern)
Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368		**Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)
Invoice To: Same		**Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
7	M-18 ✓	Grab	1 Liter Plastic Unpreserved	GW	1	1/7/26	1335	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
8	R - blank ✓	Grab	Same as number 1	~~DI~~ GW	10		1355	Same as number 1
9	Trip Blank	Grab	40 ml Glass VOA Vial, HCl	DI	~~2~~ 3	1/7/26	X	MDE Table I VOC's - 8260 (25 ml purge)
10	Trip Blank	Grab	40 ml Glass VOA Vial, UNP	DI	~~2~~ 3	↓	X	EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/7/26	Time 1515
Transferred by: MES Fridge	Received by: ACS	Date 1/7/26	Time 1578
Transferred by: ACS	Received by:	Date 1/7/26	Time 1800
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

2605

Middletown Sample Condition Form

Client MES Workorder 3447780

Temp °C 3° Therm ID 309 Ice? (Y) N N/A Initials & Date DB 1/7/26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			✓	
Sample Custody Seals present & intact			✓	
Chain-of-Custody present	✓			
Sample collector name present *If not present, must contact PM/client to request name.*	✓			
COC/bottle labels complete & in agreement	✓			
•Sample location	✓			
•Date and time of sample collection	✓			
•Type(s) of preservation	✓			
•Number of containers	✓			
•Composite or grab	✓			
•Matrix	✓			
Proper containers, preservation, and volume per method	✓			
Received within hold time	✓			
Containers intact	✓			
Trip blanks present (EPA 504, EPA 524)	✓			
Field blanks present (Hg 1631, PFAS)			✓	
NJ ≤ 4 Days			✓	
CR6 Samples Filtered			✓	
OP Samples Filtered			✓	
WV Containers 0-6°C			✓	
SDWA compliance reporting			✓	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

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NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
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Analytical Results Report For | Maryland Environmental Service - Landfills SC-0000802

Report ID 488126 on 1/19/2026

Certificate of Analysis

Project Name:	**NORTHERN LANDFILL**	Workorder:	**3448028**
Purchase Order:	**ENVOPS**	Workorder ID:	**NORTHERN LANDFILL**

Enclosed are the analytical results for samples received by the laboratory on Thursday, January 08, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP)
accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements.
The test results meet requirements of the current NELAP standards or state requirements, where applicable.
For a specific list of accredited
analytes, refer to the certifications section of the ALS website at
www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Maryland Services-ENVOPS - Maryland Environmental Services - Landfills
- Dan Steil - Maryland Environmental Service
- Jessica Cox - Maryland Environmental Services
- Maryland Services-LF Data - Maryland Environmental Services
- William Herpel - Maryland Environmental Service

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3448028001	SW-1	Ground Water	01/08/2026 08:45	01/08/2026 18:45	C	
3448028002	SW-2	Ground Water	01/08/2026 09:15	01/08/2026 18:45	C	

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID		
3448028001	SW-1	**S1**	This sample was filtered in the laboratory.
3448028002	SW-2	**S2**	This sample was filtered in the laboratory.

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 70.7 and the control limits were 80 to 120.
3	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 65.2 and the control limits were 80 to 120.
4	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
5	The QC sample type STD 10 for method S4500HB-11 was outside the control limits for the analyte pH. The % Recovery was reported as 99.8 and the control limits were 100 to 101.
6	The QC sample type DUP for method SM2540C-15 was outside the control limits for the analyte Total Dissolved Solids. The RPD was reported as 5.93 and the upper control limit is 5.
7	This sample result was calculated and reported using Method SM2340B-2011.
8	The QC sample type LCS for method SW846 7470A was outside the control limits for the analyte Mercury, Dissolved. The % Recovery was reported as 119 and the control limits were 85 to 115.
9	Analyte concentration of mercury in sample is below the reporting limit. According to the method this sample is commented and reported.
10	The QC type LLCCV for method SW846 6020A was outside the control limits for the analyte Selenium, Dissolved. The % RSD was reported as 21.5 and the control limits were 0 to 20.

Detected Results Summary

Client Sample ID	SW-1	Collected	01/08/2026 08:45
Lab Sample ID	3448028001	Lab Receipt	01/08/2026 18:45

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Dissolved	0.028	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Dissolved	14.8	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Dissolved	0.00076J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	70.6	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Dissolved	8.3	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Dissolved	0.0030J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Dissolved	1.7	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Dissolved	44.1	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Dissolved	0.0024J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	25	mg/L	5	5	SM2320B-2011	#
Chloride	104	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	5.6	mg/L	0.10	0.015	EPA 300.0	#
pH	7.44	pH_Units			S4500HB-11	#
Specific Conductance	430	umhos/cm	5	5	SM2510B-2011	#
Sulfate	6.6	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	278	mg/L	25	25	SM2540C-15	#
Turbidity	2.0	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	SW-2	Collected	01/08/2026 09:15
Lab Sample ID	3448028002	Lab Receipt	01/08/2026 18:45

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Dissolved	0.023	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Dissolved	15.3	mg/L	0.11	0.037	SW846 6020A	#
Chromium, Dissolved	0.0010J	mg/L	0.0022	0.00074	SW846 6020A	#
Hardness	70.3	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Dissolved	8.3	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Dissolved	0.0021J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Dissolved	1.7	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Dissolved	37.9	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Dissolved	0.0085	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	31	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.03J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	89.7	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	4.6	mg/L	0.10	0.015	EPA 300.0	#
pH	7.64	pH_Units			S4500HB-11	#
Specific Conductance	392	umhos/cm	5	5	SM2510B-2011	#
Sulfate	7.0	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	250	mg/L	25	25	SM2540C-15	#
Turbidity	2.2	NTU	0.30	0.30	SM2130B-2011	#

Results

Client Sample ID	SW-1	Collected	01/08/2026 08:45
Lab Sample ID	3448028001	Lab Receipt	01/08/2026 18:45

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Dissolved	ND	ND,S1	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Arsenic, Dissolved	ND	ND,S1	mg/L	0.0033	0.0011	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Barium, Dissolved	0.028	S1	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Beryllium, Dissolved	ND	ND,S1	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Cadmium, Dissolved	ND	ND,S1	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Calcium, Dissolved	14.8	S1	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Chromium, Dissolved	0.00076J	J,S1	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Cobalt, Dissolved	ND	ND,S1	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Copper, Dissolved	ND	ND,S1	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Hardness	70.6	7,S1	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:08	KXH	J1
Iron, Dissolved	ND	ND,S1	mg/L	0.056	0.019	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Lead, Dissolved	ND	ND,S1	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Magnesium, Dissolved	8.3	S1	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Manganese, Dissolved	0.0030J	J,S1	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Mercury, Dissolved	ND	ND,8,9,S1	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 13:09	ZAS	K
Nickel, Dissolved	ND	ND,S1	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Potassium, Dissolved	1.7	S1	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Selenium, Dissolved	ND	ND,10,S1	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Silver, Dissolved	ND	ND,S1	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Sodium, Dissolved	44.1	S1	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Thallium, Dissolved	ND	ND,S1	mg/L	0.0011	0.00030	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Vanadium, Dissolved	ND	ND,S1	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:44	KXH	K1
Zinc, Dissolved	0.0024J	J,S1	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:44	KXH	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND,S1	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,1,1-Trichloroethane	ND	ND,S1	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND,S1	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,1,2-Trichloroethane	ND	ND,S1	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,1-Dichloroethane	ND	ND,S1	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,1-Dichloroethene	ND	ND,S1	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,2,3-Trichloropropane	ND	ND,S1	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND,S1	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 17:15	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND,S1	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,2-Dibromoethane	ND	ND,S1	ug/L	0.019	0.0093	SW846 8011	1	01/09/2026 17:15	SPS	D
1,2-Dibromoethane	ND	ND,S1	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,2-Dichlorobenzene	ND	ND,S1	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,2-Dichloroethane	ND	ND,S1	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,2-Dichloropropane	ND	ND,S1	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 18:09	TMP	A
1,4-Dichlorobenzene	ND	ND,S1	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 18:09	TMP	A
2-Butanone	ND	ND,S1	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 18:09	TMP	A
2-Hexanone	ND	ND,S1	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 18:09	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND,S1	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 18:09	TMP	A
Acetone	ND	ND,S1	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 18:09	TMP	A

Results

Client Sample ID	SW-1	Collected	01/08/2026 08:45
Lab Sample ID	3448028001	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Acrylonitrile	ND	ND,S1	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 18:09	TMP	A
Benzene	ND	ND,S1	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 18:09	TMP	A
Bromochloromethane	ND	ND,S1	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 18:09	TMP	A
Bromodichloromethane	ND	ND,S1	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 18:09	TMP	A
Bromoform	ND	ND,S1	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 18:09	TMP	A
Bromomethane	ND	ND,S1	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 18:09	TMP	A
Carbon Disulfide	ND	ND,S1	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 18:09	TMP	A
Carbon Tetrachloride	ND	ND,S1	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:09	TMP	A
Chlorobenzene	ND	ND,S1	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 18:09	TMP	A
Chlorodibromomethane	ND	ND,S1	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 18:09	TMP	A
Chloroethane	ND	ND,S1	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:09	TMP	A
Chloroform	ND	ND,S1	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 18:09	TMP	A
Chloromethane	ND	ND,S1	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:09	TMP	A
cis-1,2-Dichloroethene	ND	ND,S1	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 18:09	TMP	A
cis-1,3-Dichloropropene	ND	ND,S1	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:09	TMP	A
Dibromomethane	ND	ND,S1	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:09	TMP	A
Ethylbenzene	ND	ND,S1	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 18:09	TMP	A
Iodomethane	ND	ND,S1	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 18:09	TMP	A
Methyl t-Butyl Ether	ND	ND,S1	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:09	TMP	A
Methylene Chloride	ND	ND,S1	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 18:09	TMP	A
mp-Xylene	ND	ND,S1	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 18:09	TMP	A
o-Xylene	ND	ND,S1	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 18:09	TMP	A
Styrene	ND	ND,S1	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 18:09	TMP	A
Tetrachloroethene	ND	ND,S1	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 18:09	TMP	A
Toluene	ND	ND,S1	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 18:09	TMP	A
Total Xylenes	ND	ND,S1	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 18:09	TMP	A
trans-1,2-Dichloroethene	ND	ND,S1	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 18:09	TMP	A
trans-1,3-Dichloropropene	ND	ND,S1	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 18:09	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND,S1	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 18:09	TMP	A
Trichloroethene	ND	ND,S1	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:09	TMP	A
Trichlorofluoromethane	ND	ND,S1	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 18:09	TMP	A
Vinyl Acetate	ND	ND,S1	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 18:09	TMP	A
Vinyl Chloride	ND	ND,S1	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 18:09	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	62 – 133	01/13/2026 18:09	
1-Chloro-2-Fluorobenzene	348-51-6	92.7%	70 – 130	01/09/2026 17:15	
4-Bromofluorobenzene	460-00-4	96.4%	79 – 114	01/13/2026 18:09	
Dibromofluoromethane	1868-53-7	91.6%	78 – 116	01/13/2026 18:09	
Toluene-d8	2037-26-5	100%	76 – 127	01/13/2026 18:09	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	25	1,S1	mg/L	5	5	SM2320B-2011	1	01/13/2026 23:44	TJH	G

Results

Client Sample ID	SW-1	Collected	01/08/2026 08:45
Lab Sample ID	3448028001	Lab Receipt	01/08/2026 18:45

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Ammonia-N, Low Level	ND	ND,S1	mg/L	0.10	0.01	SM 4500-NH3G	1	01/13/2026 17:06	AYS	I
Chemical Oxygen Demand (COD)	ND	ND,S1	mg/L	15	5	EPA 410.4	1	01/13/2026 10:46	KMS	I
Chloride	104	2,3,S1	mg/L	0.50	0.22	EPA 300.0	2	01/09/2026 15:50	J1W	G
Nitrate/Nitrite-N	5.6	S1	mg/L	0.10	0.015	EPA 300.0	2	01/09/2026 15:50	J1W	G
pH	7.44	4,5,S1	pH_Units			S4500HB-11	1	01/13/2026 23:44	TJH	G
Specific Conductance	430	S1	umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	6.6	S1	mg/L	0.50	0.19	EPA 300.0	2	01/09/2026 15:50	J1W	G
Total Dissolved Solids	278	6,S1	mg/L	25	25	SM2540C-15	1	01/12/2026 18:40	RAG	G
Turbidity	2.0	S1	NTU	0.30	0.30	SM2130B-2011	1	01/09/2026 11:00	NPF	G

Results

Client Sample ID	SW-2	Collected	01/08/2026 09:15
Lab Sample ID	3448028002	Lab Receipt	01/08/2026 18:45

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Dissolved	ND	ND,S2	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Arsenic, Dissolved	ND	ND,S2	mg/L	0.0033	0.0011	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Barium, Dissolved	0.023	S2	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Beryllium, Dissolved	ND	ND,S2	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Cadmium, Dissolved	ND	ND,S2	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Calcium, Dissolved	15.3	S2	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Chromium, Dissolved	0.0010J	J,S2	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Cobalt, Dissolved	ND	ND,S2	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Copper, Dissolved	ND	ND,S2	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Hardness	70.3	7,S2	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:03	KXH	J1
Iron, Dissolved	ND	ND,S2	mg/L	0.056	0.019	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Lead, Dissolved	ND	ND,S2	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Magnesium, Dissolved	8.3	S2	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Manganese, Dissolved	0.0021J	J,S2	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Mercury, Dissolved	ND	ND,8,9,S2	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 13:10	ZAS	K
Nickel, Dissolved	ND	ND,S2	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Potassium, Dissolved	1.7	S2	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Selenium, Dissolved	ND	ND,10,S2	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Silver, Dissolved	ND	ND,S2	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Sodium, Dissolved	37.9	S2	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Thallium, Dissolved	ND	ND,S2	mg/L	0.0011	0.00030	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Vanadium, Dissolved	ND	ND,S2	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 09:58	KXH	K1
Zinc, Dissolved	0.0085	S2	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 09:58	KXH	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND,S2	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,1,1-Trichloroethane	ND	ND,S2	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND,S2	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,1,2-Trichloroethane	ND	ND,S2	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,1-Dichloroethane	ND	ND,S2	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,1-Dichloroethene	ND	ND,S2	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,2,3-Trichloropropane	ND	ND,S2	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND,S2	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 17:29	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND,S2	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,2-Dibromoethane	ND	ND,S2	ug/L	0.019	0.0093	SW846 8011	1	01/09/2026 17:29	SPS	D
1,2-Dibromoethane	ND	ND,S2	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,2-Dichlorobenzene	ND	ND,S2	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,2-Dichloroethane	ND	ND,S2	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,2-Dichloropropane	ND	ND,S2	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 18:32	TMP	A
1,4-Dichlorobenzene	ND	ND,S2	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 18:32	TMP	A
2-Butanone	ND	ND,S2	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 18:32	TMP	A
2-Hexanone	ND	ND,S2	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 18:32	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND,S2	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 18:32	TMP	A
Acetone	ND	ND,S2	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 18:32	TMP	A

Results

Client Sample ID	SW-2	Collected	01/08/2026 09:15
Lab Sample ID	3448028002	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Acrylonitrile	ND	ND,S2	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 18:32	TMP	A
Benzene	ND	ND,S2	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 18:32	TMP	A
Bromochloromethane	ND	ND,S2	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 18:32	TMP	A
Bromodichloromethane	ND	ND,S2	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 18:32	TMP	A
Bromoform	ND	ND,S2	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 18:32	TMP	A
Bromomethane	ND	ND,S2	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 18:32	TMP	A
Carbon Disulfide	ND	ND,S2	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 18:32	TMP	A
Carbon Tetrachloride	ND	ND,S2	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:32	TMP	A
Chlorobenzene	ND	ND,S2	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 18:32	TMP	A
Chlorodibromomethane	ND	ND,S2	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 18:32	TMP	A
Chloroethane	ND	ND,S2	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:32	TMP	A
Chloroform	ND	ND,S2	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 18:32	TMP	A
Chloromethane	ND	ND,S2	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:32	TMP	A
cis-1,2-Dichloroethene	ND	ND,S2	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 18:32	TMP	A
cis-1,3-Dichloropropene	ND	ND,S2	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:32	TMP	A
Dibromomethane	ND	ND,S2	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 18:32	TMP	A
Ethylbenzene	ND	ND,S2	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 18:32	TMP	A
Iodomethane	ND	ND,S2	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 18:32	TMP	A
Methyl t-Butyl Ether	ND	ND,S2	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:32	TMP	A
Methylene Chloride	ND	ND,S2	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 18:32	TMP	A
mp-Xylene	ND	ND,S2	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 18:32	TMP	A
o-Xylene	ND	ND,S2	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 18:32	TMP	A
Styrene	ND	ND,S2	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 18:32	TMP	A
Tetrachloroethene	ND	ND,S2	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 18:32	TMP	A
Toluene	ND	ND,S2	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 18:32	TMP	A
Total Xylenes	ND	ND,S2	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 18:32	TMP	A
trans-1,2-Dichloroethene	ND	ND,S2	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 18:32	TMP	A
trans-1,3-Dichloropropene	ND	ND,S2	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 18:32	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND,S2	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 18:32	TMP	A
Trichloroethene	ND	ND,S2	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 18:32	TMP	A
Trichlorofluoromethane	ND	ND,S2	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 18:32	TMP	A
Vinyl Acetate	ND	ND,S2	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 18:32	TMP	A
Vinyl Chloride	ND	ND,S2	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 18:32	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	62 – 133	01/13/2026 18:32	
1-Chloro-2-Fluorobenzene	348-51-6	88.1%	70 – 130	01/09/2026 17:29	
4-Bromofluorobenzene	460-00-4	99.2%	79 – 114	01/13/2026 18:32	
Dibromofluoromethane	1868-53-7	93.6%	78 – 116	01/13/2026 18:32	
Toluene-d8	2037-26-5	102%	76 – 127	01/13/2026 18:32	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	31	1,S2	mg/L	5	5	SM2320B-2011	1	01/13/2026 23:56	TJH	G

Results

Client Sample ID	SW-2	Collected	01/08/2026 09:15
Lab Sample ID	3448028002	Lab Receipt	01/08/2026 18:45

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Ammonia-N, Low Level	0.03J	J,S2	mg/L	0.10	0.01	SM 4500-NH3G	1	01/13/2026 17:12	AYS	I
Chemical Oxygen Demand (COD)	ND	ND,S2	mg/L	15	5	EPA 410.4	1	01/13/2026 10:46	KMS	I
Chloride	89.7	S2	mg/L	0.50	0.22	EPA 300.0	2	01/09/2026 16:55	J1W	G
Nitrate/Nitrite-N	4.6	S2	mg/L	0.10	0.015	EPA 300.0	2	01/09/2026 16:55	J1W	G
pH	7.64	4,5,S2	pH_Units			S4500HB-11	1	01/13/2026 23:56	TJH	G
Specific Conductance	392	S2	umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	7.0	S2	mg/L	0.50	0.19	EPA 300.0	2	01/09/2026 16:55	J1W	G
Total Dissolved Solids	250	S2	mg/L	25	25	SM2540C-15	1	01/12/2026 18:40	RAG	G
Turbidity	2.2	S2	NTU	0.30	0.30	SM2130B-2011	1	01/09/2026 11:00	NPF	G

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3448028001	SW-1	SW846 6020A	SW846 3015A	
		SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3448028002	SW-2	SW846 6020A	SW846 3015A	
		SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3448028001	SW-1	SW846 3015A	1501958	01/14/2026 11:24	RMH	SW846 6020A	1502116
		SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501855	01/13/2026 15:30	ZAS	SW846 7470A	1501983
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501467
		N/A	N/A	N/A		EPA 410.4	1501748
		N/A	N/A	N/A		S4500HB-11	1501764
		N/A	N/A	N/A		SM 4500-NH3G	1501664
		N/A	N/A	N/A		SM2130B-2011	1501430
		N/A	N/A	N/A		SM2320B-2011	1501764
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501629
3448028002	SW-2	SW846 3015A	1501958	01/14/2026 11:24	RMH	SW846 6020A	1502116
		SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501855	01/13/2026 15:30	ZAS	SW846 7470A	1501983
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501467
		N/A	N/A	N/A		EPA 410.4	1501748
		N/A	N/A	N/A		S4500HB-11	1501764
		N/A	N/A	N/A		SM 4500-NH3G	1501664
		N/A	N/A	N/A		SM2130B-2011	1501430
		N/A	N/A	N/A		SM2320B-2011	1501764
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501629

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

3448028
Logged By: SLS
PM: SIW

COC #: | **Laboratory:** ALS | **Sampler:** Collin Blank

Client Name: Maryland Environmental Service, Attn: Wil Herpel | **Facility Name:** Northern Landfill (SW)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368 | **Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same | **Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	SW-1 ✓	Grab	1 Liter Plastic Unpreserved	SW	1	1/8/26	845	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	1 Liter Plastic Unpreserved	SW	1			MDE Table II Landfill Metals Dissolved **FILTER IN LAB**
		Grab	250 ml Plastic H2SO4	SW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	SW	1			Hardness
		Grab	250 ml Plastic Unpreserved	SW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	SW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	SW	3			EDB and DBCP - 8011
2	SW-2 ✓	Grab	Same as number 1	SW	11 CS 1/9/26	1/8/26	915	Same as number 1

Transferred by:	Received by:	Date	Time
Collin Blank	MES Fridge	1/8/26	1430
MES Fridge	CFCJR ALS 1-8-26		1430
CFCJR ALS 1-8-26 1550	AM		
AM		1-8-26	1845

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

1.2.3.5

right solutions.
right partner.

Middletown Sample Condition Form

Client MES Workorder 3448028

Temp °C 1 Therm ID 352 Ice? (Y) N N/A Initials & Date LW 1/9/26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact	X			
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
COC/bottle labels complete & in agreement	X			
•Sample location	X			
•Date and time of sample collection	X			
•Type(s) of preservation	X			
•Number of containers	X			
•Composite or grab	X			
•Matrix	X			
Proper containers, preservation, and volume per method	X			
Received within hold time	X			
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)			X	
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days			X	
CR6 Samples Filtered			X	
OP Samples Filtered			X	
WV Containers 0-6°C			X	
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

1/19/2026 10:35 AM

301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For | Maryland Environmental Service - Landfills SC-0000802

Report ID 488125 on 1/19/2026

Certificate of Analysis

Project Name:	**NORTHERN LANDFILL**	Workorder:	**3448026**
Purchase Order:	**ENVOPS**	Workorder ID:	**NORTHERN LANDFILL**

Enclosed are the analytical results for samples received by the laboratory on Thursday, January 08, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP)
accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements.
The test results meet requirements of the current NELAP standards or state requirements, where applicable.
For a specific list of accredited
analytes, refer to the certifications section of the ALS website at
www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Maryland Services-ENVOPS - Maryland Environmental Services - Landfills
- Dan Steil - Maryland Environmental Service
- Jessica Cox - Maryland Environmental Services
- Maryland Services-LF Data - Maryland Environmental Services
- William Herpel - Maryland Environmental Service

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3448026001	M-24D	Ground Water	01/08/2026 10:18	01/08/2026 18:45	C	
3448026002	M-24D DUP	Ground Water	01/08/2026 10:21	01/08/2026 18:45	C	
3448026003	M-8	Ground Water	01/08/2026 11:03	01/08/2026 18:45	C	
3448026004	M-9S	Ground Water	01/08/2026 11:48	01/08/2026 18:45	C	
3448026005	R-Blank	Ground Water	01/08/2026 12:05	01/08/2026 18:45	C	
3448026006	Trip Blank	Ground Water	01/08/2026 00:00	01/08/2026 18:45	C	

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
3	The QC sample type STD 10 for method S4500HB-11 was outside the control limits for the analyte pH. The % Recovery was reported as 99.8 and the control limits were 100 to 101.
4	This sample result was calculated and reported using Method SM2340B-2011.
5	The QC sample type DUP for method SM2540C-15 was outside the control limits for the analyte Total Dissolved Solids. The RPD was reported as 21.6 and the upper control limit is 5.

Detected Results Summary

Client Sample ID	M-24D	Collected	01/08/2026 10:18
Lab Sample ID	3448026001	Lab Receipt	01/08/2026 18:45

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.027	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	14.4	mg/L	0.11	0.037	SW846 6020A	#
Copper, Total	0.0031J	mg/L	0.0056	0.0019	SW846 6020A	#
Hardness	69.2	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	9.8	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.15	mg/L	0.0056	0.0019	SW846 6020A	#
Mercury, Total	0.0026	mg/L	0.00050	0.00017	SW846 7470A	#
Nickel, Total	0.010	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.4	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	11.1	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.029	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
1,1-Dichloroethane	2.0	ug/L	1.0	0.28	SW846 8260B	#
cis-1,2-Dichloroethene	0.61J	ug/L	1.0	0.32	SW846 8260B	#
Methyl t-Butyl Ether	3.1	ug/L	1.0	0.33	SW846 8260B	#
WET CHEMISTRY						
Alkalinity, Total	21	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.10	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	58.7	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	1.9	mg/L	0.10	0.015	EPA 300.0	#
pH	7.21	pH_Units			S4500HB-11	#
Specific Conductance	244	umhos/cm	5	5	SM2510B-2011	#
Sulfate	0.47J	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	207	mg/L	25	25	SM2540C-15	#
Turbidity	2.1	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-24D DUP	Collected	01/08/2026 10:21
Lab Sample ID	3448026002	Lab Receipt	01/08/2026 18:45

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.027	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	14.6	mg/L	0.11	0.037	SW846 6020A	#
Copper, Total	0.0031J	mg/L	0.0056	0.0019	SW846 6020A	#
Hardness	69.3	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.021J	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	9.7	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.15	mg/L	0.0056	0.0019	SW846 6020A	#
Mercury, Total	0.0027	mg/L	0.00050	0.00017	SW846 7470A	#
Nickel, Total	0.011	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.4	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	11.1	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.029	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
1,1-Dichloroethane	2.1	ug/L	1.0	0.28	SW846 8260B	#
cis-1,2-Dichloroethene	0.66J	ug/L	1.0	0.32	SW846 8260B	#
Methyl t-Butyl Ether	3.2	ug/L	1.0	0.33	SW846 8260B	#
Tetrachloroethene	0.36J	ug/L	1.0	0.35	SW846 8260B	#
WET CHEMISTRY						
Alkalinity, Total	21	mg/L	5	5	SM2320B-2011	#
Ammonia-N, Low Level	0.02J	mg/L	0.10	0.01	SM 4500-NH3G	#
Chloride	59.3	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	1.9	mg/L	0.10	0.015	EPA 300.0	#
pH	7.05	pH_Units			S4500HB-11	#
Specific Conductance	245	umhos/cm	5	5	SM2510B-2011	#
Sulfate	0.46J	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	199	mg/L	25	25	SM2540C-15	#
Turbidity	0.45	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-8	Collected	01/08/2026 11:03
Lab Sample ID	3448026003	Lab Receipt	01/08/2026 18:45

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Calcium, Total	7.8	mg/L	0.11	0.037	SW846 6020A	#
Hardness	47.9	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.033J	mg/L	0.056	0.019	SW846 6020A	#
Magnesium, Total	7.8	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.0041J	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	0.43	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	6.4	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0035J	mg/L	0.0056	0.0019	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	29	mg/L	5	5	SM2320B-2011	#
Chloride	24.1	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	1.4	mg/L	0.10	0.015	EPA 300.0	#
pH	7.41	pH_Units			S4500HB-11	#
Specific Conductance	145	umhos/cm	5	5	SM2510B-2011	#
Sulfate	3.7	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	115	mg/L	25	25	SM2540C-15	#
Turbidity	1.4	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	M-9S	Collected	01/08/2026 11:48
Lab Sample ID	3448026004	Lab Receipt	01/08/2026 18:45

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Barium, Total	0.041	mg/L	0.0056	0.0019	SW846 6020A	#
Calcium, Total	24.3	mg/L	0.11	0.037	SW846 6020A	#
Hardness	103	mg/L	0.73	0.24	SW846 6020A	#
Magnesium, Total	13.3	mg/L	0.11	0.037	SW846 6020A	#
Manganese, Total	0.042	mg/L	0.0056	0.0019	SW846 6020A	#
Potassium, Total	1.8	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	23.2	mg/L	0.11	0.037	SW846 6020A	#
WET CHEMISTRY						
Alkalinity, Total	79	mg/L	5	5	SM2320B-2011	#
Chemical Oxygen Demand (COD)	6J	mg/L	15	5	EPA 410.4	#
Chloride	55.6	mg/L	0.50	0.22	EPA 300.0	#
Nitrate/Nitrite-N	0.17	mg/L	0.10	0.015	EPA 300.0	#
pH	7.94	pH_Units			S4500HB-11	#
Specific Conductance	362	umhos/cm	5	5	SM2510B-2011	#
Sulfate	20.7	mg/L	0.50	0.19	EPA 300.0	#
Total Dissolved Solids	182	mg/L	25	25	SM2540C-15	#
Turbidity	0.70	NTU	0.30	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	R-Blank	Collected	01/08/2026 12:05
Lab Sample ID	3448026005	Lab Receipt	01/08/2026 18:45

Compound	Result	Units	RDL	MDL	Method	Flag
METALS						
Calcium, Total	0.16	mg/L	0.11	0.037	SW846 6020A	#
Hardness	0.39J	mg/L	0.73	0.24	SW846 6020A	#
Iron, Total	0.020J	mg/L	0.056	0.019	SW846 6020A	#
Potassium, Total	0.12	mg/L	0.11	0.037	SW846 6020A	#
Sodium, Total	0.16	mg/L	0.11	0.037	SW846 6020A	#
Zinc, Total	0.0030J	mg/L	0.0056	0.0019	SW846 6020A	#
VOLATILE ORGANICS						
Acetone	7.4	ug/L	5.0	1.5	SW846 8260B	#
WET CHEMISTRY						
Chemical Oxygen Demand (COD)	5J	mg/L	15	5	EPA 410.4	#
Nitrate/Nitrite-N	0.044J	mg/L	0.10	0.015	EPA 300.0	#
pH	5.79	pH_Units			S4500HB-11	#
Total Dissolved Solids	42	mg/L	25	25	SM2540C-15	#
Turbidity	1.2	NTU	0.30	0.30	SM2130B-2011	#

Results

Client Sample ID	M-24D	Collected	01/08/2026 10:18
Lab Sample ID	3448026001	Lab Receipt	01/08/2026 18:45

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Barium, Total	0.027		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Calcium, Total	14.4		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Copper, Total	0.0031J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Hardness	69.2	4	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Magnesium, Total	9.8		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Manganese, Total	0.15		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Mercury, Total	0.0026		mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 12:02	ZAS	J
Nickel, Total	0.010		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Potassium, Total	1.4		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Sodium, Total	11.1		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:06	KXH	J1
Zinc, Total	0.029		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:06	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,1-Dichloroethane	2.0		ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0047	SW846 8011	1	01/09/2026 15:47	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/09/2026 15:47	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 16:15	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 16:15	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 16:15	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 16:15	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 16:15	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 16:15	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 16:15	TMP	A

Results

Client Sample ID	M-24D	Collected	01/08/2026 10:18
Lab Sample ID	3448026001	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 16:15	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 16:15	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 16:15	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 16:15	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 16:15	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 16:15	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:15	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 16:15	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 16:15	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:15	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 16:15	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:15	TMP	A
cis-1,2-Dichloroethene	0.61J	J	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 16:15	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:15	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:15	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 16:15	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 16:15	TMP	A
Methyl t-Butyl Ether	3.1		ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:15	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 16:15	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 16:15	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 16:15	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 16:15	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 16:15	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 16:15	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 16:15	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 16:15	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 16:15	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 16:15	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:15	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 16:15	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 16:15	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 16:15	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	01/13/2026 16:15	
1-Chloro-2-Fluorobenzene	348-51-6	105%	70 – 130	01/09/2026 15:47	
4-Bromofluorobenzene	460-00-4	97.5%	79 – 114	01/13/2026 16:15	
Dibromofluoromethane	1868-53-7	91.9%	78 – 116	01/13/2026 16:15	
Toluene-d8	2037-26-5	99.6%	76 – 127	01/13/2026 16:15	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	21	1	mg/L	5	5	SM2320B-2011	1	01/13/2026 22:00	TJH	G
Ammonia-N, Low Level	0.10		mg/L	0.10	0.01	SM 4500-NH3G	1	01/13/2026 16:43	AYS	I

Results

Client Sample ID	M-24D	Collected	01/08/2026 10:18
Lab Sample ID	3448026001	Lab Receipt	01/08/2026 18:45

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/13/2026 10:46	KMS	I
Chloride	58.7		mg/L	0.50	0.22	EPA 300.0	2	01/09/2026 14:45	J1W	G
Nitrate/Nitrite-N	1.9		mg/L	0.10	0.015	EPA 300.0	2	01/09/2026 14:45	J1W	G
pH	7.21	2,3	pH_Units			S4500HB-11	1	01/13/2026 22:00	TJH	G
Specific Conductance	244		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	0.47J	J	mg/L	0.50	0.19	EPA 300.0	2	01/09/2026 14:45	J1W	G
Total Dissolved Solids	207		mg/L	25	25	SM2540C-15	1	01/09/2026 18:53	MMS	G
Turbidity	2.1		NTU	0.30	0.30	SM2130B-2011	1	01/09/2026 11:00	NPF	G

Results

Client Sample ID	M-24D DUP	Collected	01/08/2026 10:21
Lab Sample ID	3448026002	Lab Receipt	01/08/2026 18:45

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Barium, Total	0.027		mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Calcium, Total	14.6		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Copper, Total	0.0031J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Hardness	69.3	4	mg/L	0.73	0.24	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Iron, Total	0.021J	J	mg/L	0.056	0.019	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Magnesium, Total	9.7		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Manganese, Total	0.15		mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Mercury, Total	0.0027		mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 12:09	ZAS	J
Nickel, Total	0.011		mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Potassium, Total	1.4		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Sodium, Total	11.1		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:07	KXH	J1
Zinc, Total	0.029		mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:07	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,1-Dichloroethane	2.1		ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 16:01	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/09/2026 16:01	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 16:37	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 16:37	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 16:37	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 16:37	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 16:37	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 16:37	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 16:37	TMP	A

Results

Client Sample ID	M-24D DUP	Collected	01/08/2026 10:21
Lab Sample ID	3448026002	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 16:37	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 16:37	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 16:37	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 16:37	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 16:37	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 16:37	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:37	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 16:37	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 16:37	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:37	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 16:37	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:37	TMP	A
cis-1,2-Dichloroethene	0.66J	J	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 16:37	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:37	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 16:37	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 16:37	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 16:37	TMP	A
Methyl t-Butyl Ether	3.2		ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:37	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 16:37	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 16:37	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 16:37	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 16:37	TMP	A
Tetrachloroethene	0.36J	J	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 16:37	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 16:37	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 16:37	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 16:37	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 16:37	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 16:37	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 16:37	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 16:37	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 16:37	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 16:37	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	01/13/2026 16:37	
1-Chloro-2-Fluorobenzene	348-51-6	106%	70 – 130	01/09/2026 16:01	
4-Bromofluorobenzene	460-00-4	97.2%	79 – 114	01/13/2026 16:37	
Dibromofluoromethane	1868-53-7	92.9%	78 – 116	01/13/2026 16:37	
Toluene-d8	2037-26-5	99.7%	76 – 127	01/13/2026 16:37	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	21	1	mg/L	5	5	SM2320B-2011	1	01/13/2026 22:59	TJH	G
Ammonia-N, Low Level	0.02J	J	mg/L	0.10	0.01	SM 4500-NH3G	1	01/13/2026 16:46	AYS	I

Results

Client Sample ID	M-24D DUP	Collected	01/08/2026 10:21
Lab Sample ID	3448026002	Lab Receipt	01/08/2026 18:45

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/13/2026 10:46	KMS	I
Chloride	59.3		mg/L	0.50	0.22	EPA 300.0	2	01/09/2026 14:58	J1W	G
Nitrate/Nitrite-N	1.9		mg/L	0.10	0.015	EPA 300.0	2	01/09/2026 14:58	J1W	G
pH	7.05	2,3	pH_Units			S4500HB-11	1	01/13/2026 22:59	TJH	G
Specific Conductance	245		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	0.46J	J	mg/L	0.50	0.19	EPA 300.0	2	01/09/2026 14:58	J1W	G
Total Dissolved Solids	199		mg/L	25	25	SM2540C-15	1	01/09/2026 18:53	MMS	G
Turbidity	0.45		NTU	0.30	0.30	SM2130B-2011	1	01/09/2026 11:00	NPF	G

Results

Client Sample ID	M-8	Collected	01/08/2026 11:03
Lab Sample ID	3448026003	Lab Receipt	01/08/2026 18:45

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Barium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Calcium, Total	7.8		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Hardness	47.9	4	mg/L	0.73	0.24	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Iron, Total	0.033J	J	mg/L	0.056	0.019	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Magnesium, Total	7.8		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Manganese, Total	0.0041J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 12:12	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Potassium, Total	0.43		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Sodium, Total	6.4		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:34	KXH	J1
Zinc, Total	0.0035J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:34	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 16:16	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/09/2026 16:16	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:00	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 17:00	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 17:00	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 17:00	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 17:00	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 17:00	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 17:00	TMP	A

Results

Client Sample ID	M-8	Collected	01/08/2026 11:03
Lab Sample ID	3448026003	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:00	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:00	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 17:00	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 17:00	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 17:00	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:00	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:00	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 17:00	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 17:00	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:00	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 17:00	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:00	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:00	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:00	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:00	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 17:00	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 17:00	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:00	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 17:00	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:00	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 17:00	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:00	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 17:00	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:00	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 17:00	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 17:00	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:00	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 17:00	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:00	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:00	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 17:00	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 17:00	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/13/2026 17:00	
1-Chloro-2-Fluorobenzene	348-51-6	105%	70 – 130	01/09/2026 16:16	
4-Bromofluorobenzene	460-00-4	97.3%	79 – 114	01/13/2026 17:00	
Dibromofluoromethane	1868-53-7	92.1%	78 – 116	01/13/2026 17:00	
Toluene-d8	2037-26-5	101%	76 – 127	01/13/2026 17:00	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	29	1	mg/L	5	5	SM2320B-2011	1	01/13/2026 23:11	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/13/2026 16:49	AYS	I

Results

Client Sample ID	M-8	Collected	01/08/2026 11:03
Lab Sample ID	3448026003	Lab Receipt	01/08/2026 18:45

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	5	EPA 410.4	1	01/13/2026 10:46	KMS	I
Chloride	24.1		mg/L	0.50	0.22	EPA 300.0	2	01/09/2026 15:11	J1W	G
Nitrate/Nitrite-N	1.4		mg/L	0.10	0.015	EPA 300.0	2	01/09/2026 15:11	J1W	G
pH	7.41	2,3	pH_Units			S4500HB-11	1	01/13/2026 23:11	TJH	G
Specific Conductance	145		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	3.7		mg/L	0.50	0.19	EPA 300.0	2	01/09/2026 15:11	J1W	G
Total Dissolved Solids	115		mg/L	25	25	SM2540C-15	1	01/09/2026 18:53	MMS	G
Turbidity	1.4		NTU	0.30	0.30	SM2130B-2011	1	01/09/2026 11:00	NPF	G

Results

Client Sample ID	M-9S	Collected	01/08/2026 11:48
Lab Sample ID	3448026004	Lab Receipt	01/08/2026 18:45

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Barium, Total	0.041		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Calcium, Total	24.3		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Hardness	103	4	mg/L	0.73	0.24	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Iron, Total	ND	ND	mg/L	0.056	0.019	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Magnesium, Total	13.3		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Manganese, Total	0.042		mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 12:08	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Potassium, Total	1.8		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Sodium, Total	23.2		mg/L	0.11	0.037	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/14/2026 11:42	KXH	J1
Zinc, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/14/2026 11:42	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 16:31	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0095	SW846 8011	1	01/09/2026 16:31	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:23	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 17:23	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 17:23	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 17:23	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 17:23	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 17:23	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 17:23	TMP	A

Results

Client Sample ID	M-9S	Collected	01/08/2026 11:48
Lab Sample ID	3448026004	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:23	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:23	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 17:23	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 17:23	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 17:23	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:23	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:23	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 17:23	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 17:23	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:23	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 17:23	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:23	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:23	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:23	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:23	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 17:23	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 17:23	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:23	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 17:23	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:23	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 17:23	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:23	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 17:23	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:23	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 17:23	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 17:23	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:23	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 17:23	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:23	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:23	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 17:23	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 17:23	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	62 – 133	01/13/2026 17:23	
1-Chloro-2-Fluorobenzene	348-51-6	104%	70 – 130	01/09/2026 16:31	
4-Bromofluorobenzene	460-00-4	99.3%	79 – 114	01/13/2026 17:23	
Dibromofluoromethane	1868-53-7	92.9%	78 – 116	01/13/2026 17:23	
Toluene-d8	2037-26-5	102%	76 – 127	01/13/2026 17:23	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	79	1	mg/L	5	5	SM2320B-2011	1	01/13/2026 23:22	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/13/2026 16:53	AYS	I

Results

Client Sample ID	M-9S	Collected	01/08/2026 11:48
Lab Sample ID	3448026004	Lab Receipt	01/08/2026 18:45

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	6J	J	mg/L	15	5	EPA 410.4	1	01/13/2026 10:46	KMS	I
Chloride	55.6		mg/L	0.50	0.22	EPA 300.0	2	01/09/2026 15:24	J1W	G
Nitrate/Nitrite-N	0.17		mg/L	0.10	0.015	EPA 300.0	2	01/09/2026 15:24	J1W	G
pH	7.94	2,3	pH_Units			S4500HB-11	1	01/13/2026 23:22	TJH	G
Specific Conductance	362		umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	20.7		mg/L	0.50	0.19	EPA 300.0	2	01/09/2026 15:24	J1W	G
Total Dissolved Solids	182	5	mg/L	25	25	SM2540C-15	1	01/09/2026 18:53	MMS	G
Turbidity	0.70		NTU	0.30	0.30	SM2130B-2011	1	01/09/2026 11:00	NPF	G

Results

Client Sample ID	R-Blank	Collected	01/08/2026 12:05
Lab Sample ID	3448026005	Lab Receipt	01/08/2026 18:45

METALS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Antimony, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Arsenic, Total	ND	ND	mg/L	0.0033	0.0011	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Barium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Beryllium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Cadmium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Calcium, Total	0.16		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Chromium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Cobalt, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Copper, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Hardness	0.39J	J,4	mg/L	0.73	0.24	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Iron, Total	0.020J	J	mg/L	0.056	0.019	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Lead, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Magnesium, Total	ND	ND	mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Manganese, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Mercury, Total	ND	ND	mg/L	0.00050	0.00017	SW846 7470A	1	01/14/2026 12:03	ZAS	J
Nickel, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Potassium, Total	0.12		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Selenium, Total	ND	ND	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Silver, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Sodium, Total	0.16		mg/L	0.11	0.037	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Thallium, Total	ND	ND	mg/L	0.0011	0.00037	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Vanadium, Total	ND	ND	mg/L	0.0022	0.00074	SW846 6020A	1	01/15/2026 11:05	KXH	J1
Zinc, Total	0.0030J	J	mg/L	0.0056	0.0019	SW846 6020A	1	01/15/2026 11:05	KXH	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0045	SW846 8011	1	01/09/2026 16:45	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0093	SW846 8011	1	01/09/2026 16:45	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:46	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 17:46	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 17:46	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 17:46	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 17:46	TMP	A
Acetone	7.4		ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 17:46	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 17:46	TMP	A

Results

Client Sample ID	R-Blank	Collected	01/08/2026 12:05
Lab Sample ID	3448026005	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:46	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:46	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 17:46	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 17:46	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 17:46	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:46	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:46	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 17:46	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 17:46	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:46	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 17:46	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:46	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 17:46	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:46	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 17:46	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 17:46	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 17:46	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:46	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 17:46	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 17:46	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 17:46	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:46	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 17:46	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 17:46	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 17:46	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 17:46	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 17:46	TMP	A
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 17:46	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 17:46	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 17:46	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 17:46	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 17:46	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	62 – 133	01/13/2026 17:46	
1-Chloro-2-Fluorobenzene	348-51-6	96.8%	70 – 130	01/09/2026 16:45	
4-Bromofluorobenzene	460-00-4	99.1%	79 – 114	01/13/2026 17:46	
Dibromofluoromethane	1868-53-7	92.8%	78 – 116	01/13/2026 17:46	
Toluene-d8	2037-26-5	102%	76 – 127	01/13/2026 17:46	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Total	ND	ND,1	mg/L	5	5	SM2320B-2011	1	01/13/2026 23:30	TJH	G
Ammonia-N, Low Level	ND	ND	mg/L	0.10	0.01	SM 4500-NH3G	1	01/13/2026 16:55	AYS	I

Results

Client Sample ID	R-Blank	Collected	01/08/2026 12:05
Lab Sample ID	3448026005	Lab Receipt	01/08/2026 18:45

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chemical Oxygen Demand (COD)	5J	J	mg/L	15	5	EPA 410.4	1	01/13/2026 10:46	KMS	I
Chloride	ND	ND	mg/L	0.50	0.22	EPA 300.0	2	01/09/2026 15:37	J1W	G
Nitrate/Nitrite-N	0.044J	J	mg/L	0.10	0.015	EPA 300.0	2	01/09/2026 15:37	J1W	G
pH	5.79	2,3	pH_Units			S4500HB-11	1	01/13/2026 23:30	TJH	G
Specific Conductance	ND	ND	umhos/cm	5	5	SM2510B-2011	1	01/12/2026 12:00	MYM	G
Sulfate	ND	ND	mg/L	0.50	0.19	EPA 300.0	2	01/09/2026 15:37	J1W	G
Total Dissolved Solids	42		mg/L	25	25	SM2540C-15	1	01/12/2026 18:40	RAG	G
Turbidity	1.2		NTU	0.30	0.30	SM2130B-2011	1	01/09/2026 11:00	NPF	G

Results

Client Sample ID	Trip Blank	Collected	01/08/2026 00:00
Lab Sample ID	3448026006	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.019	0.0046	SW846 8011	1	01/09/2026 17:00	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.019	0.0094	SW846 8011	1	01/09/2026 17:00	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 12:49	TMP	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 12:49	TMP	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	01/13/2026 12:49	TMP	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	01/13/2026 12:49	TMP	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 12:49	TMP	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	01/13/2026 12:49	TMP	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	01/13/2026 12:49	TMP	A
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 12:49	TMP	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 12:49	TMP	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	01/13/2026 12:49	TMP	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	01/13/2026 12:49	TMP	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	01/13/2026 12:49	TMP	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 12:49	TMP	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 12:49	TMP	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	01/13/2026 12:49	TMP	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 12:49	TMP	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 12:49	TMP	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	01/13/2026 12:49	TMP	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 12:49	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	01/13/2026 12:49	TMP	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 12:49	TMP	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	01/13/2026 12:49	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	01/13/2026 12:49	TMP	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	01/13/2026 12:49	TMP	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 12:49	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	01/13/2026 12:49	TMP	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	01/13/2026 12:49	TMP	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	01/13/2026 12:49	TMP	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 12:49	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	01/13/2026 12:49	TMP	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	01/13/2026 12:49	TMP	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	01/13/2026 12:49	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	01/13/2026 12:49	TMP	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	01/13/2026 12:49	TMP	A

Results

Client Sample ID	Trip Blank	Collected	01/08/2026 00:00
Lab Sample ID	3448026006	Lab Receipt	01/08/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	01/13/2026 12:49	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	01/13/2026 12:49	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	01/13/2026 12:49	TMP	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 12:49	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	01/13/2026 12:49	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	01/13/2026 12:49	
1-Chloro-2-Fluorobenzene	348-51-6	94.7%	70 – 130	01/09/2026 17:00	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/13/2026 12:49	
Dibromofluoromethane	1868-53-7	92.7%	78 – 116	01/13/2026 12:49	
Toluene-d8	2037-26-5	102%	76 – 127	01/13/2026 12:49	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3448026001	M-24D	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3448026002	M-24D DUP	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3448026003	M-8	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3448026004	M-9S	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3448026005	R-Blank	SW846 6020A	SW846 3015A	
		SW846 7470A	SW846 7470A	
		SW846 8011	SW846 8011	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2510B-2011	N/A	
		SM2540C-15	N/A	
3448026006	Trip Blank	SW846 8011	SW846 8011	
		SW846 8260B	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3448026001	M-24D	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501467
		N/A	N/A	N/A		EPA 410.4	1501748
		N/A	N/A	N/A		S4500HB-11	1501764
		N/A	N/A	N/A		SM 4500-NH3G	1501664
		N/A	N/A	N/A		SM2130B-2011	1501430
		N/A	N/A	N/A		SM2320B-2011	1501764
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501451
3448026002	M-24D DUP	SW846 3015A	1501960	01/14/2026 13:52	RMH	SW846 6020A	1502118
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501467
		N/A	N/A	N/A		EPA 410.4	1501748
		N/A	N/A	N/A		S4500HB-11	1501764
		N/A	N/A	N/A		SM 4500-NH3G	1501664
		N/A	N/A	N/A		SM2130B-2011	1501430
		N/A	N/A	N/A		SM2320B-2011	1501764
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501451
3448026003	M-8	SW846 3015A	1501960	01/14/2026 13:52	RMH	SW846 6020A	1502118
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501467
		N/A	N/A	N/A		EPA 410.4	1501748
		N/A	N/A	N/A		S4500HB-11	1501764
		N/A	N/A	N/A		SM 4500-NH3G	1501664
		N/A	N/A	N/A		SM2130B-2011	1501430
		N/A	N/A	N/A		SM2320B-2011	1501764
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501451
3448026004	M-9S	SW846 3015A	1501785	01/13/2026 11:30	RMH	SW846 6020A	1501931
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501467
		N/A	N/A	N/A		EPA 410.4	1501748
		N/A	N/A	N/A		S4500HB-11	1501764
		N/A	N/A	N/A		SM 4500-NH3G	1501664
		N/A	N/A	N/A		SM2130B-2011	1501430
		N/A	N/A	N/A		SM2320B-2011	1501764
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501451
3448026005	R-Blank	SW846 3015A	1501960	01/14/2026 13:52	RMH	SW846 6020A	1502118
		SW846 7470A	1501856	01/13/2026 15:30	ZAS	SW846 7470A	1501988
		SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825
		N/A	N/A	N/A		EPA 300.0	1501467
		N/A	N/A	N/A		EPA 410.4	1501748
		N/A	N/A	N/A		S4500HB-11	1501764
		N/A	N/A	N/A		SM 4500-NH3G	1501664
		N/A	N/A	N/A		SM2130B-2011	1501430
		N/A	N/A	N/A		SM2320B-2011	1501764
		N/A	N/A	N/A		SM2510B-2011	1501469
		N/A	N/A	N/A		SM2540C-15	1501629
3448026006	Trip Blank	SW846 8011	1501243	01/09/2025 10:22	SPS	SW846 8011	1501466
		N/A	N/A	N/A		SW846 8260B	1501825

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

3448026
Logged By: SLS
PM: SIW

COC #: | **Laboratory:** ALS | **Sampler:** Collin Blake

Client Name: Maryland Environmental Service, Attn: Wil Herpel | **Facility Name:** Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368 | **Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same | **Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	M-24D ✓	Grab	1 Liter Plastic Unpreserved	GW	1	1/8/26	1018	Chloride, TDS, Sulfate, pH, Conductivity, Turbidity
		Grab	250 ml Plastic H2SO4	GW	1			Ammonia, COD, Nitrate-Nitrite
		Grab	125 ml Plastic HNO3	GW	1			MDE Table II Landfill Metals + Hardness
		Grab	250 ml Plastic Unpreserved	GW	1			Alkalinity
		Grab	40ml Glass VOA Vial, HCL	GW	3			MDE Table I VOC's - 8260 (25 mL purge)
		Grab	40ml Glass VOA Vial, Unpreserved	GW	3			EDB and DBCP - 8011
2	M-24D DUP ✓	Grab	Same as number 1	GW	10	1/8/26	1021	Same as number 1
3	M-8 ✓						1103	
4	M-9S ✓						1148	
5	R-Blank ✓	Grab	Same as number 1	DI	8 10ml vials	1/8/26	1205	Same as number 1
6	Trip Blank ✓	Grab	40 ml Glass VOA Vial, HCl	DI	3			MDE Table I VOC's - 8260 (25 ml purge)
7	Trip Blank ✓	Grab	40 ml Glass VOA Vial, UNP	DI	3			EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 1/8/26	Time 1430
Transferred by: MES Fridge	Received by: CFCJR ALS 1-8-26	Date	Time 1430
Transferred by: CFCJR ALS 1-8-26 1550	Received by: AM	Date	Time
Transferred by: AM	Received by:	Date 1-8-26	Time 1845
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

1°

Initials: Date:

5609

right solutions. right partner.

Middletown Sample Condition Form

Client MES Workorder 18026

Temp °C 1 Therm ID 352 Ice? (Y) N N/A Initials & Date LW 1/9/26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact	X			
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
COC/bottle labels complete & in agreement	X			
•Sample location	X			
•Date and time of sample collection	X			
•Type(s) of preservation	X			
•Number of containers	X			
•Composite or grab	X			
•Matrix	X			
Proper containers, preservation, and volume per method	X			
Received within hold time	X			
Containers intact	X			
Trip blanks present (EPA 504, EPA 524)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days			X	
CR6 Samples Filtered			X	
OP Samples Filtered			X	
WV Containers 0-6°C			X	
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

1/19/2026 10:34 AM

301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For | Maryland Environmental Service - Landfills SC-0000802

Report ID 499507 on 3/9/2026

Certificate of Analysis

Project Name:	**NORTHERN LANDFILL**	Workorder:	**3452413**
Purchase Order:	**ENVOPS**	Workorder ID:	**NORTHERN LANDFILL**

Enclosed are the analytical results for samples received by the laboratory on Monday, March 02, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP)
accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements.
The test results meet requirements of the current NELAP standards or state requirements, where applicable.
For a specific list of accredited
analytes, refer to the certifications section of the ALS website at
www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
- Maryland Services-ENVOPS - Maryland Environmental Services - Landfills
- Dan Steil - Maryland Environmental Service
- Jessica Cox - Maryland Environmental Services
- Maryland Services-LF Data - Maryland Environmental Services
- William Herpel - Maryland Environmental Service

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3452413001	MW-B	Ground Water	03/02/2026 10:20	03/02/2026 18:45	C	
3452413002	Trip Blank	Ground Water	03/02/2026 10:20	03/02/2026 18:45	C	

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Not applicable for this WO.

Results

Client Sample ID	MW-B	Collected	03/02/2026 10:20
Lab Sample ID	3452413001	Lab Receipt	03/02/2026 18:45

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.020	0.0047	SW846 8011	1	03/03/2026 16:58	SPS	D
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,2-Dibromoethane	ND	ND	ug/L	0.020	0.0097	SW846 8011	1	03/03/2026 16:58	SPS	D
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	03/06/2026 01:52	PDK	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	03/06/2026 01:52	PDK	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	03/06/2026 01:52	PDK	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	03/06/2026 01:52	PDK	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	03/06/2026 01:52	PDK	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	03/06/2026 01:52	PDK	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	03/06/2026 01:52	PDK	A
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	03/06/2026 01:52	PDK	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	03/06/2026 01:52	PDK	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	03/06/2026 01:52	PDK	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	03/06/2026 01:52	PDK	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	03/06/2026 01:52	PDK	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	03/06/2026 01:52	PDK	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 01:52	PDK	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	03/06/2026 01:52	PDK	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	03/06/2026 01:52	PDK	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 01:52	PDK	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	03/06/2026 01:52	PDK	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 01:52	PDK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	03/06/2026 01:52	PDK	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 01:52	PDK	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 01:52	PDK	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	03/06/2026 01:52	PDK	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	03/06/2026 01:52	PDK	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 01:52	PDK	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	03/06/2026 01:52	PDK	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	03/06/2026 01:52	PDK	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	03/06/2026 01:52	PDK	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	03/06/2026 01:52	PDK	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	03/06/2026 01:52	PDK	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	03/06/2026 01:52	PDK	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	03/06/2026 01:52	PDK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	03/06/2026 01:52	PDK	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	03/06/2026 01:52	PDK	A

Results

Client Sample ID	MW-B	Collected	03/02/2026 10:20
Lab Sample ID	3452413001	Lab Receipt	03/02/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	03/06/2026 01:52	PDK	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 01:52	PDK	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	03/06/2026 01:52	PDK	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	03/06/2026 01:52	PDK	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	03/06/2026 01:52	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	111%	62 – 133	03/06/2026 01:52	
1-Chloro-2-Fluorobenzene	348-51-6	96.7%	70 – 130	03/03/2026 16:58	
4-Bromofluorobenzene	460-00-4	98.1%	79 – 114	03/06/2026 01:52	
Dibromofluoromethane	1868-53-7	95.5%	78 – 116	03/06/2026 01:52	
Toluene-d8	2037-26-5	92%	76 – 127	03/06/2026 01:52	

Results

Client Sample ID	Trip Blank	Collected	03/02/2026 10:20
Lab Sample ID	3452413002	Lab Receipt	03/02/2026 18:45

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	0.22	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,2,3-Trichloropropane	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	0.020	0.0047	SW846 8011	1	03/03/2026 17:12	SPS	C
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,2-Dibromoethane	ND	ND	ug/L	0.020	0.0097	SW846 8011	1	03/03/2026 17:12	SPS	C
1,2-Dibromoethane	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	0.38	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,2-Dichloropropane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	03/06/2026 00:51	PDK	A
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	03/06/2026 00:51	PDK	A
2-Butanone	ND	ND	ug/L	5.0	1.1	SW846 8260B	1	03/06/2026 00:51	PDK	A
2-Hexanone	ND	ND	ug/L	5.0	1.3	SW846 8260B	1	03/06/2026 00:51	PDK	A
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	03/06/2026 00:51	PDK	A
Acetone	ND	ND	ug/L	5.0	1.5	SW846 8260B	1	03/06/2026 00:51	PDK	A
Acrylonitrile	ND	ND	ug/L	5.0	1.2	SW846 8260B	1	03/06/2026 00:51	PDK	A
Benzene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	03/06/2026 00:51	PDK	A
Bromochloromethane	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	03/06/2026 00:51	PDK	A
Bromodichloromethane	ND	ND	ug/L	1.0	0.27	SW846 8260B	1	03/06/2026 00:51	PDK	A
Bromoform	ND	ND	ug/L	1.0	0.40	SW846 8260B	1	03/06/2026 00:51	PDK	A
Bromomethane	ND	ND	ug/L	1.0	0.39	SW846 8260B	1	03/06/2026 00:51	PDK	A
Carbon Disulfide	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	03/06/2026 00:51	PDK	A
Carbon Tetrachloride	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 00:51	PDK	A
Chlorobenzene	ND	ND	ug/L	1.0	0.19	SW846 8260B	1	03/06/2026 00:51	PDK	A
Chlorodibromomethane	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	03/06/2026 00:51	PDK	A
Chloroethane	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 00:51	PDK	A
Chloroform	ND	ND	ug/L	1.0	0.21	SW846 8260B	1	03/06/2026 00:51	PDK	A
Chloromethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 00:51	PDK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.32	SW846 8260B	1	03/06/2026 00:51	PDK	A
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 00:51	PDK	A
Dibromomethane	ND	ND	ug/L	1.0	0.31	SW846 8260B	1	03/06/2026 00:51	PDK	A
Ethylbenzene	ND	ND	ug/L	1.0	0.34	SW846 8260B	1	03/06/2026 00:51	PDK	A
Iodomethane	ND	ND	ug/L	1.0	0.42	SW846 8260B	1	03/06/2026 00:51	PDK	A
Methyl t-Butyl Ether	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 00:51	PDK	A
Methylene Chloride	ND	ND	ug/L	1.0	0.45	SW846 8260B	1	03/06/2026 00:51	PDK	A
mp-Xylene	ND	ND	ug/L	1.0	0.28	SW846 8260B	1	03/06/2026 00:51	PDK	A
o-Xylene	ND	ND	ug/L	0.50	0.15	SW846 8260B	1	03/06/2026 00:51	PDK	A
Styrene	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	03/06/2026 00:51	PDK	A
Tetrachloroethene	ND	ND	ug/L	1.0	0.35	SW846 8260B	1	03/06/2026 00:51	PDK	A
Toluene	ND	ND	ug/L	1.0	0.23	SW846 8260B	1	03/06/2026 00:51	PDK	A
Total Xylenes	ND	ND	ug/L	1.5	0.42	SW846 8260B	1	03/06/2026 00:51	PDK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	0.26	SW846 8260B	1	03/06/2026 00:51	PDK	A
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	0.29	SW846 8260B	1	03/06/2026 00:51	PDK	A

Results

Client Sample ID	Trip Blank	Collected	03/02/2026 10:20
Lab Sample ID	3452413002	Lab Receipt	03/02/2026 18:45

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	0.86	SW846 8260B	1	03/06/2026 00:51	PDK	A
Trichloroethene	ND	ND	ug/L	1.0	0.33	SW846 8260B	1	03/06/2026 00:51	PDK	A
Trichlorofluoromethane	ND	ND	ug/L	1.0	0.24	SW846 8260B	1	03/06/2026 00:51	PDK	A
Vinyl Acetate	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	03/06/2026 00:51	PDK	A
Vinyl Chloride	ND	ND	ug/L	1.0	0.30	SW846 8260B	1	03/06/2026 00:51	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	113%	62 – 133	03/06/2026 00:51	
1-Chloro-2-Fluorobenzene	348-51-6	103%	70 – 130	03/03/2026 17:12	
4-Bromofluorobenzene	460-00-4	97.5%	79 – 114	03/06/2026 00:51	
Dibromofluoromethane	1868-53-7	98%	78 – 116	03/06/2026 00:51	
Toluene-d8	2037-26-5	94.7%	76 – 127	03/06/2026 00:51	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3452413001	MW-B	SW846 8011	SW846 8011	
		SW846 8260B	N/A	
3452413002	Trip Blank	SW846 8011	SW846 8011	
		SW846 8260B	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3452413001	MW-B	SW846 8011	1525489	03/03/2026 12:35	SPS	SW846 8011	1525549
		N/A	N/A	N/A		SW846 8260B	1526266
3452413002	Trip Blank	SW846 8011	1525489	03/03/2026 12:35	SPS	SW846 8011	1525549
		N/A	N/A	N/A		SW846 8260B	1526266

CHAIN OF CUSTODY / SAMPLE INFORMATION FORM

Maryland Environmental Service • 259 Najoles Rd. • Millersville, MD 21108 • (410) 729-8200 • FAX (410) 729-8340

3452413
Logged By: MZP
PM: SIW

COC #: | **Laboratory:** ALS | **Sampler:** Negan Smith, Collin

Client Name: Maryland Environmental Service, Attn: Wil Herpel | **Facility Name:** Northern Landfill (Northern)

Client Address: 259 Najoles Rd, Millersville, MD 21108 410-729-8368 | **Profile#/ Project#:** ALS# 637370/ 2531-1401 (groundwater monitoring)

Invoice To: Same | **Turnaround Time:** Routine

Sample #	Sample ID	Grab or Composite	Container Description/Preservation Status	Matrix	# of Containers	Date	Time	Analyses Required/Comments
1	**MW-B**	Grab	40ml Glass VOA Vial, HCL	GW	3	3/2/26	1020	MDE Table I VOC's - 8260 (25 mL purge)
↓	↓	Grab	40ml Glass VOA Vial, Unpreserved	GW	3	↓	↓	EDB and DBCP - 8011
								1°
						10 wd		
3	Trip Blank	Grab	40 ml Glass VOA Vial, HCl	DI	2	3/2/26		MDE Table I VOC's - 8260 (25 ml purge)
4	Trip Blank	Grab	40 ml Glass VOA Vial, UNP	DI	2	↓		EDB and DBCP - 8011

Transferred by: Collin Blake	Received by: MES Fridge	Date 3/2/26	Time 1300
Transferred by: MES Fridge	Received by: Major Blake ALS	Date 3-2-26	Time 1430
Transferred by: Major Blake ALS	Received by: UPS	Date 3-2-26	Time 1845
Transferred by:	Received by:	Date	Time
Transferred by:	Received by:	Date	Time

Cooler Receipt Information **(LAB USE ONLY)**

Sufficient ice? - Yes/No Temp.= _____

Sample containers properly pres'd? - Yes/No If No, explain

Initials: Date:

Middletown Sample Condition Form

Client MES Workorder 345ZH13

Temp °C 1° Therm ID 309 Ice? (Y) N N/A Initials & Date DB 3/2/26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			✓	
Sample Custody Seals present & intact			✓	
Chain-of-Custody present	✓			
Sample collector name present *If not present, must contact PM/client to request name.*	✓			
COC/bottle labels complete & in agreement	✓			
•Sample location	✓			
•Date and time of sample collection	✓			
•Type(s) of preservation	✓			
•Number of containers	✓			
•Composite or grab	✓			
•Matrix	✓			
Proper containers, preservation, and volume per method	✓			
Received within hold time	✓			
Containers intact	✓			
Trip blanks present (EPA 504, EPA 524)	✓		X ✓	DB 3/2/26
Field blanks present (Hg 1631, PFAS)			✓	
NJ ≤ 4 Days			✓	
CR6 Samples Filtered			✓	
OP Samples Filtered			✓	
WV Containers 0-6°C			✓	
SDWA compliance reporting			✓	

[1] *If No, provide comment*

Rad Screen (uCi) _____

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

Appendix C

Statistical Analysis

Shapiro-Francia Test of Normality

Parameter: Antimony, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-6.21461	-2.65209	7.03356	16.4817
2	-6.21461	-2.40892	12.8365	31.4522
3	-6.21461	-2.25713	17.9311	45.4794
4	-0.287682	-2.12007	22.4258	46.0893
5	0.470004	-2.03352	26.561	45.1335
6	0.641854	-1.95996	30.4025	43.8755
7	0.693147	-1.8957	33.9961	42.5615
8	0.693147	-1.82501	37.3268	41.2965
9	0.693147	-1.77438	40.4752	40.0666
10	0.693147	-1.72793	43.4609	38.8689
11	0.693147	-1.67466	46.2654	37.7081
12	0.693147	-1.63524	48.9394	36.5747
13	0.693147	-1.59819	51.4936	35.4669
14	0.693147	-1.56322	53.9373	34.3833
15	0.693147	-1.52203	56.2539	33.3283
16	0.693147	-1.49085	58.4765	32.295
17	0.693147	-1.46106	60.6112	31.2822
18	0.693147	-1.4325	62.6633	30.2893
19	0.693147	-1.39838	64.6187	29.32
20	0.693147	-1.3722	66.5017	28.3689
21	0.693147	-1.34694	68.3159	27.4352
22	0.693147	-1.31652	70.0492	26.5227
23	0.693147	-1.29303	71.7211	25.6264
24	0.693147	-1.27024	73.3346	24.746
25	0.693147	-1.24809	74.8923	23.8809
26	0.693147	-1.22123	76.3837	23.0344
27	0.693147	-1.20036	77.8246	22.2024
28	0.693147	-1.18	79.217	21.3844
29	0.693147	-1.16012	80.5629	20.5803
30	0.693147	-1.1359	81.8531	19.793
31	0.693147	-1.11699	83.1008	19.0187
32	0.693147	-1.09847	84.3074	18.2573
33	0.693147	-1.07584	85.4648	17.5116
34	0.693147	-1.05812	86.5845	16.7782
35	0.693147	-1.04073	87.6676	16.0568
36	0.693147	-1.02365	88.7154	15.3473
37	0.693147	-1.00271	89.7209	14.6522
38	0.693147	-0.986272	90.6936	13.9686
39	0.693147	-0.970094	91.6347	13.2962
40	0.693147	-0.954165	92.5451	12.6348
41	0.693147	-0.93459	93.4186	11.987
42	0.693147	-0.919183	94.2635	11.3499
43	0.693147	-0.903992	95.0807	10.7233
44	0.693147	-0.885291	95.8644	10.1096
45	0.693147	-0.87055	96.6223	9.50621
46	0.693147	-0.855996	97.355	8.91288
47	0.693147	-0.841621	98.0633	8.32951

48	0.693147	-0.823893	98.7421	7.75843
49	0.693147	-0.809896	99.3981	7.19705
50	0.693147	-0.796056	100.032	6.64527
51	0.693147	-0.782366	100.644	6.10297
52	0.693147	-0.765456	101.23	5.5724
53	0.693147	-0.752084	101.795	5.0511
54	0.693147	-0.738846	102.341	4.53897
55	0.693147	-0.722479	102.863	4.03818
56	0.693147	-0.709522	103.367	3.54638
57	0.693147	-0.696684	103.852	3.06347
58	0.693147	-0.68396	104.32	2.58939
59	0.693147	-0.668209	104.766	2.12622
60	0.693147	-0.655726	105.196	1.67171
61	0.693147	-0.643345	105.61	1.22577
62	0.693147	-0.631062	106.008	0.788355
63	0.693147	-0.615839	106.388	0.361488
64	0.693147	-0.603765	106.752	-0.0570098
65	0.693147	-0.591776	107.102	-0.467198
66	0.693147	-0.576911	107.435	-0.867082
67	0.693147	-0.565108	107.755	-1.25878
68	0.693147	-0.553384	108.061	-1.64236
69	0.693147	-0.541736	108.354	-2.01786
70	0.693147	-0.52728	108.632	-2.38335
71	0.693147	-0.515791	108.898	-2.74087
72	0.693147	-0.504372	109.153	-3.09047
73	0.693147	-0.493018	109.396	-3.4322
74	0.693147	-0.478914	109.625	-3.76416
75	0.693147	-0.467699	109.844	-4.08835
76	0.693147	-0.456542	110.052	-4.4048
77	0.693147	-0.442676	110.248	-4.71164
78	0.693147	-0.431644	110.435	-5.01083
79	0.693147	-0.420664	110.612	-5.30241
80	0.693147	-0.409735	110.78	-5.58642
81	0.693147	-0.396142	110.936	-5.861
82	0.693147	-0.385321	111.085	-6.12809
83	0.693147	-0.374544	111.225	-6.3877
84	0.693147	-0.363809	111.358	-6.63987
85	0.693147	-0.350451	111.48	-6.88279
86	0.693147	-0.33981	111.596	-7.11833
87	0.693147	-0.329206	111.704	-7.34651
88	0.693147	-0.316004	111.804	-7.56555
89	0.693147	-0.305481	111.897	-7.7773
90	0.693147	-0.294992	111.984	-7.98177
91	0.693147	-0.284535	112.065	-8.17899
92	0.693147	-0.271509	112.139	-8.36719
93	0.693147	-0.26112	112.207	-8.54818
94	0.693147	-0.250759	112.27	-8.722
95	0.693147	-0.240426	112.328	-8.88865
96	0.693147	-0.227545	112.38	-9.04637
97	0.693147	-0.217267	112.427	-9.19697
98	0.788457	-0.207012	112.47	-9.36019
99	0.788457	-0.194225	112.508	-9.51333
100	0.788457	-0.184017	112.541	-9.65842
101	0.788457	-0.173829	112.572	-9.79547
102	0.788457	-0.163659	112.598	-9.92451
103	0.788457	-0.150969	112.621	-10.0435
104	0.788457	-0.140835	112.641	-10.1546

105	0.788457	-0.130716	112.658	-10.2577
106	0.788457	-0.12061	112.673	-10.3527
107	0.788457	-0.107995	112.684	-10.4379
108	0.788457	-0.0979139	112.694	-10.5151
109	0.788457	-0.0878447	112.702	-10.5844
110	0.788457	-0.0752698	112.707	-10.6437
111	0.788457	-0.0652187	112.712	-10.6951
112	0.788457	-0.0551734	112.715	-10.7386
113	0.788457	-0.0451348	112.717	-10.7742
114	0.788457	-0.0325917	112.718	-10.7999
115	0.788457	-0.0225612	112.718	-10.8177
116	0.788457	-0.0125328	112.718	-10.8276
117	0.788457	0	112.718	-10.8276
118	0.788457	0.0125328	112.719	-10.8177
119	0.788457	0.0225612	112.719	-10.7999
120	0.788457	0.0325917	112.72	-10.7742
121	0.788457	0.0451348	112.722	-10.7386
122	0.788457	0.0551734	112.725	-10.6951
123	0.788457	0.0652187	112.729	-10.6437
124	0.788457	0.0752698	112.735	-10.5844
125	0.788457	0.0878447	112.743	-10.5151
126	0.788457	0.0979139	112.752	-10.4379
127	0.788457	0.107995	112.764	-10.3527
128	0.788457	0.12061	112.779	-10.2577
129	0.788457	0.130716	112.796	-10.1546
130	0.788457	0.140835	112.816	-10.0435
131	0.788457	0.150969	112.838	-9.92451
132	0.788457	0.163659	112.865	-9.79547
133	0.788457	0.173829	112.895	-9.65842
134	0.788457	0.184017	112.929	-9.51333
135	0.788457	0.194225	112.967	-9.36019
136	0.788457	0.207012	113.01	-9.19697
137	0.788457	0.217267	113.057	-9.02566
138	0.788457	0.227545	113.109	-8.84625
139	0.788457	0.240426	113.167	-8.65669
140	0.788457	0.250759	113.229	-8.45897
141	0.788457	0.26112	113.298	-8.25309
142	0.788457	0.271509	113.371	-8.03902
143	0.788457	0.284535	113.452	-7.81467
144	0.788457	0.294992	113.539	-7.58209
145	0.788457	0.305481	113.633	-7.34123
146	0.788457	0.316004	113.732	-7.09207
147	0.788457	0.329206	113.841	-6.83251
148	0.788457	0.33981	113.956	-6.56458
149	0.788457	0.350451	114.079	-6.28826
150	0.788457	0.363809	114.211	-6.00142
151	0.788457	0.374544	114.352	-5.7061
152	0.788457	0.385321	114.5	-5.4023
153	0.788457	0.396142	114.657	-5.08995
154	0.788457	0.409735	114.825	-4.7669
155	0.788457	0.420664	115.002	-4.43522
156	0.788457	0.431644	115.188	-4.09489
157	0.788457	0.442676	115.384	-3.74586
158	0.788457	0.456542	115.593	-3.38589
159	0.788457	0.467699	115.811	-3.01713
160	0.788457	0.478914	116.041	-2.63953
161	0.788457	0.493018	116.284	-2.2508

162	0.788457	0.504372	116.538	-1.85313
163	0.788457	0.515791	116.804	-1.44645
164	0.788457	0.52728	117.082	-1.03071
165	0.788457	0.541736	117.376	-0.603576
166	0.788457	0.553384	117.682	-0.167257
167	0.788457	0.565108	118.001	0.278307
168	0.788457	0.576911	118.334	0.733176
169	0.788457	0.591776	118.684	1.19977
170	0.788457	0.603765	119.049	1.67581
171	0.788457	0.615839	119.428	2.16137
172	0.788457	0.631062	119.826	2.65894
173	0.788457	0.643345	120.24	3.16619
174	0.788457	0.655726	120.67	3.6832
175	0.788457	0.668209	121.117	4.21005
176	0.788457	0.68396	121.585	4.74933
177	0.788457	0.696684	122.07	5.29863
178	0.788457	0.709522	122.573	5.85806
179	1.38629	0.722479	123.095	6.85963
180	2.94444	0.738846	123.641	9.03512
181	2.94444	0.752084	124.207	11.2496
182	2.94444	0.765456	124.793	13.5034
183	2.94444	0.782366	125.405	15.807
184	2.94444	0.796056	126.039	18.151
185	2.94444	0.809896	126.695	20.5357
186	2.94444	0.823893	127.373	22.9616
187	2.94444	0.841621	128.082	25.4397
188	2.94444	0.855996	128.814	27.9601
189	2.94444	0.87055	129.572	30.5234
190	2.94444	0.885291	130.356	33.1301
191	2.94444	0.903992	131.173	35.7918
192	2.94444	0.919183	132.018	38.4983
193	2.94444	0.93459	132.892	41.2501
194	2.94444	0.954165	133.802	44.0596
195	2.94444	0.970094	134.743	46.916
196	2.94444	0.986272	135.716	49.82
197	2.94444	1.00271	136.721	52.7724
198	2.94444	1.02365	137.769	55.7865
199	2.94444	1.04073	138.852	58.8509
200	2.94444	1.05812	139.972	61.9665
201	2.94444	1.07584	141.129	65.1342
202	2.94444	1.09847	142.336	68.3686
203	2.94444	1.11699	143.584	71.6575
204	2.94444	1.1359	144.874	75.0021
205	2.94444	1.16012	146.22	78.418
206	2.94444	1.18	147.612	81.8924
207	2.94444	1.20036	149.053	85.4268
208	2.94444	1.22123	150.544	89.0226
209	2.94444	1.24809	152.102	92.6975
210	2.94444	1.27024	153.716	96.4377
211	2.94444	1.29303	155.388	100.245
212	2.94444	1.31652	157.121	104.121
213	2.94444	1.34694	158.935	108.087
214	2.94444	1.3722	160.818	112.128
215	2.94444	1.39838	162.773	116.245
216	2.94444	1.4325	164.825	120.463
217	2.94444	1.46106	166.96	124.765
218	2.94444	1.49085	169.183	129.155

219	2.94444	1.52203	171.499	133.636
220	2.94444	1.56322	173.943	138.239
221	2.94444	1.59819	176.497	142.945
222	2.94444	1.63524	179.171	147.76
223	2.94444	1.67466	181.976	152.691
224	2.94444	1.72793	184.962	157.778
225	2.94444	1.77438	188.11	163.003
226	2.94444	1.82501	191.441	168.377
227	2.94444	1.8957	195.034	173.958
228	2.94444	1.95996	198.876	179.729
229	2.94444	2.03352	203.011	185.717
230	2.94444	2.12007	207.506	191.959
231	2.94444	2.25713	212.6	198.605
232	2.94444	2.40892	218.403	205.698
233	2.94444	2.65209	225.437	213.507

Data Set Standard Deviation = 1.26117
Numerator = 45585.3
Denominator = 83187.7
W Statistic = 0.547982 = 45585.3 / 83187.7

5% Critical value of 0.976 exceeds 0.547982
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.547982
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Antimony, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<2.94444	117
	5/15/1996	ND<2.94444	117
	5/16/1996	ND<2.94444	117
	5/17/1996	ND<2.94444	117
	11/5/1996	ND<2.94444	117
	4/15/1997	ND<2.94444	117
	10/31/1997	ND<2.94444	117
	6/24/1998	ND<2.94444	117
	12/10/1998	ND<2.94444	117
	5/25/1999	ND<2.94444	117
	11/19/1999	ND<2.94444	117
	5/23/2000	ND<2.94444	117
	12/14/2000	ND<2.94444	117
	6/6/2001	ND<2.94444	117
	11/15/2001	ND<2.94444	117
	6/12/2002	ND<2.94444	117
	11/5/2002	ND<2.94444	117
	6/17/2003	ND<2.94444	117
	12/5/2003	ND<2.94444	117
	6/22/2004	ND<2.94444	117
	10/20/2004	ND<2.94444	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	11/1/2005	ND<0.693147	117
	3/17/2006	ND<0.693147	117
	9/11/2006	ND<0.693147	117
	2/21/2007	ND<0.693147	117
	8/14/2007	ND<0.693147	117
	2/7/2008	ND<0.693147	117
	8/4/2008	ND<0.693147	117
	2/19/2009	ND<0.693147	117
	8/20/2009	ND<0.693147	117
	1/21/2010	ND<0.693147	117
	9/7/2010	ND<0.693147	117
	1/7/2011	ND<0.693147	117
	8/1/2011	ND<0.693147	117
	2/24/2012	ND<0.693147	117
	8/22/2012	ND<0.693147	117
	1/10/2013	ND<0.693147	117
	8/28/2013	ND<0.693147	117
	2/4/2014	ND<0.693147	117
	8/7/2014	ND<0.693147	117
	2/11/2015	ND<0.693147	117
	8/20/2015	ND<0.693147	117
	2/17/2016	ND<0.693147	117

	2/17/2016	ND<0.693147	117
	8/3/2016	ND<0.693147	117
	1/12/2017	ND<0.693147	117
	7/20/2017	ND<0.693147	117
	1/23/2018	ND<0.693147 U	117
	7/12/2018	ND<0.693147	117
	2/13/2019	ND<1.38629	117
	8/16/2019	ND<0.788457	117
	3/17/2020	ND<0.788457	117
	8/25/2020	ND<0.788457	117
	3/16/2021	ND<0.641854 J	117
	7/26/2021	ND<0.470004 J	117
	3/2/2022	ND<0.788457	117
	9/21/2022	ND<0.788457	117
	3/9/2023	ND<0.788457	117
	7/19/2023	ND<0.788457	117
	1/23/2024	ND<-0.287682 J	117
	8/26/2024	ND<0.788457	117
	2/3/2025	ND<0.788457	117
	7/22/2025	ND<0.788457	117
	1/6/2026	ND<0.788457	117
Rank Sum = 7839			
Rank Mean = 117			
M-17S	5/15/1996	ND<2.94444	117
	11/5/1996	ND<2.94444	117
	4/15/1997	ND<2.94444	117
	10/30/1997	ND<2.94444	117
	6/23/1998	ND<2.94444	117
	12/9/1998	ND<2.94444	117
	5/25/1999	ND<2.94444	117
	11/16/1999	ND<2.94444	117
	5/19/2000	ND<2.94444	117
	12/12/2000	ND<2.94444	117
	6/5/2001	ND<2.94444	117
	11/15/2001	ND<2.94444	117
	6/13/2002	ND<2.94444	117
	11/7/2002	ND<2.94444	117
	6/17/2003	ND<2.94444	117
	12/4/2003	ND<2.94444	117
	6/22/2004	ND<2.94444	117
	10/19/2004	ND<2.94444	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	11/1/2005	ND<0.693147	117
	3/16/2006	ND<0.693147	117
	9/12/2006	ND<0.693147	117
	2/20/2007	ND<0.693147	117
	8/13/2007	ND<0.693147	117
	2/6/2008	ND<0.693147	117
	8/6/2008	ND<0.693147	117
	2/18/2009	ND<0.693147	117
	8/19/2009	ND<0.693147	117
	1/22/2010	ND<0.693147	117
	9/8/2010	ND<0.693147	117
	1/7/2011	ND<0.693147	117
	8/1/2011	ND<0.693147	117

	2/21/2012	ND<0.693147	117
	8/22/2012	ND<0.693147	117
	1/11/2013	ND<0.693147	117
	8/28/2013	ND<0.693147	117
	2/6/2014	ND<0.693147	117
	8/6/2014	ND<0.693147	117
	2/12/2015	ND<0.693147	117
	8/20/2015	ND<0.693147	117
	2/17/2016	ND<0.693147	117
	2/17/2016	ND<0.693147	117
	8/4/2016	ND<0.693147	117
	1/12/2017	ND<0.693147	117
	7/19/2017	ND<0.693147	117
	1/23/2018	ND<0.693147 U	117
	7/11/2018	ND<0.693147	117
	2/13/2019	ND<0.788457	117
	8/13/2019	ND<0.788457	117
	3/17/2020	ND<0.788457	117
	8/27/2020	ND<0.788457	117
	3/15/2021	ND<0.788457	117
	7/27/2021	ND<0.788457	117
	3/3/2022	ND<0.788457	117
	9/21/2022	ND<0.788457	117
	3/9/2023	ND<0.788457	117
	7/24/2023	ND<0.788457	117
	1/23/2024	ND<0.788457	117
	8/26/2024	ND<0.788457	117
	2/3/2025	ND<0.788457	117
	7/21/2025	ND<0.788457	117
	1/6/2026	ND<0.788457	117
Rank Sum = 7488			
Rank Mean = 117			
M-23	12/8/1998	ND<2.94444	117
	12/9/1998	ND<2.94444	117
	12/10/1998	ND<2.94444	117
	12/11/1998	ND<2.94444	117
	5/27/1999	ND<2.94444	117
	5/23/2000	ND<2.94444	117
	11/17/2000	ND<2.94444	117
	12/13/2000	ND<2.94444	117
	6/8/2001	ND<2.94444	117
	11/14/2001	ND<2.94444	117
	6/14/2002	ND<2.94444	117
	11/5/2002	ND<2.94444	117
	6/17/2003	ND<2.94444	117
	12/5/2003	ND<2.94444	117
	6/25/2004	ND<2.94444	117
	10/19/2004	ND<0.693147	117
	6/15/2005	ND<-6.21461	117
	6/15/2005	ND<-6.21461	117
	6/15/2005	ND<-6.21461	117
	11/2/2005	ND<0.693147	117
	3/16/2006	ND<0.693147	117
	9/12/2006	ND<0.693147	117
	2/22/2007	ND<0.693147	117
	8/15/2007	ND<0.693147	117
	2/6/2008	ND<0.693147	117

	8/4/2008	ND<0.693147	117
	2/18/2009	ND<0.693147	117
	8/19/2009	ND<0.693147	117
	1/21/2010	ND<0.693147	117
	9/7/2010	ND<0.693147	117
	1/7/2011	ND<0.693147	117
	8/1/2011	ND<0.693147	117
	2/21/2012	ND<0.693147	117
	8/22/2012	ND<0.693147	117
	1/11/2013	ND<0.693147	117
	8/29/2013	ND<0.693147	117
	2/6/2014	ND<0.693147	117
	8/6/2014	ND<0.693147	117
	2/10/2015	ND<0.693147	117
	8/18/2015	ND<0.693147	117
	2/17/2016	ND<0.693147	117
	2/17/2016	ND<0.693147	117
	8/3/2016	ND<0.693147	117
	1/12/2017	ND<0.693147	117
	7/19/2017	ND<0.693147	117
	1/23/2018	ND<0.693147 U	117
	7/11/2018	ND<0.693147	117
	2/13/2019	ND<0.788457	117
	8/16/2019	ND<0.788457	117
	3/17/2020	ND<0.788457	117
	8/25/2020	ND<0.788457	117
	3/16/2021	ND<0.788457	117
	7/26/2021	ND<0.788457	117
	3/2/2022	ND<0.788457	117
	9/21/2022	ND<0.788457	117
	3/9/2023	ND<0.788457	117
	7/24/2023	ND<0.788457	117
	1/23/2024	ND<0.788457	117
	8/26/2024	ND<0.788457	117
	2/3/2025	ND<0.788457	117
	7/21/2025	ND<0.788457	117
	1/6/2026	ND<0.788457	117

Rank Sum = 7254
Rank Mean = 117

Background Rank Sum = 22581
Background Rank Mean = 117

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.788457	117
	8/27/2024	ND<0.788457	117
	2/7/2025	ND<0.788457	117
	7/23/2025	ND<0.788457	117
	1/7/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

M-24D	1/24/2024	ND<0.788457	117
	8/29/2024	ND<0.788457	117
	2/5/2025	ND<0.788457	117

	7/24/2025	ND<0.788457	117
	1/8/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

M-7	1/24/2024	ND<0.788457	117
	8/28/2024	ND<0.788457	117
	2/4/2025	ND<0.788457	117
	7/21/2025	ND<0.788457	117
	1/5/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

M-8	1/24/2024	ND<0.788457	117
	8/27/2024	ND<0.788457	117
	2/5/2025	ND<0.788457	117
	7/24/2025	ND<0.788457	117
	1/8/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

M-18	1/25/2024	ND<0.788457	117
	8/28/2024	ND<0.788457	117
	2/5/2025	ND<0.788457	117
	7/22/2025	ND<0.788457	117
	1/7/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

M-9S	1/25/2024	ND<0.788457	117
	8/28/2024	ND<0.788457	117
	2/5/2025	ND<0.788457	117
	7/22/2025	ND<0.788457	117
	1/8/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

M-21	1/22/2024	ND<0.788457	117
	8/27/2024	ND<0.788457	117
	2/4/2025	ND<0.788457	117
	7/21/2025	ND<0.788457	117
	1/7/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

M-19	1/22/2024	ND<0.788457	117
	8/29/2024	ND<0.788457	117
	2/3/2025	ND<0.788457	117
	7/23/2025	ND<0.788457	117
	1/6/2026	ND<0.788457	117

Rank Sum = 585
Rank Mean = 117

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
0 < 15.5073 indicating no significant group difference at 5% significance level
0 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Arsenic, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-6.21461	-2.65209	7.03356	16.4817
2	-6.21461	-2.40892	12.8365	31.4522
3	-6.21461	-2.25713	17.9311	45.4794
4	0	-2.12007	22.4258	45.4794
5	0	-2.03352	26.561	45.4794
6	0	-1.95996	30.4025	45.4794
7	0	-1.8957	33.9961	45.4794
8	0	-1.82501	37.3268	45.4794
9	0	-1.77438	40.4752	45.4794
10	0	-1.72793	43.4609	45.4794
11	0	-1.67466	46.2654	45.4794
12	0	-1.63524	48.9394	45.4794
13	0	-1.59819	51.4936	45.4794
14	0	-1.56322	53.9373	45.4794
15	0	-1.52203	56.2539	45.4794
16	0	-1.49085	58.4765	45.4794
17	0	-1.46106	60.6112	45.4794
18	0	-1.4325	62.6633	45.4794
19	0	-1.39838	64.6187	45.4794
20	0	-1.3722	66.5017	45.4794
21	0	-1.34694	68.3159	45.4794
22	0	-1.31652	70.0492	45.4794
23	0	-1.29303	71.7211	45.4794
24	0	-1.27024	73.3346	45.4794
25	0	-1.24809	74.8923	45.4794
26	0	-1.22123	76.3837	45.4794
27	0	-1.20036	77.8246	45.4794
28	0	-1.18	79.217	45.4794
29	0	-1.16012	80.5629	45.4794
30	0	-1.1359	81.8531	45.4794
31	0	-1.11699	83.1008	45.4794
32	0	-1.09847	84.3074	45.4794
33	0	-1.07584	85.4648	45.4794
34	0	-1.05812	86.5845	45.4794
35	0	-1.04073	87.6676	45.4794
36	0	-1.02365	88.7154	45.4794
37	0	-1.00271	89.7209	45.4794
38	0	-0.986272	90.6936	45.4794
39	0	-0.970094	91.6347	45.4794
40	0	-0.954165	92.5451	45.4794
41	0	-0.93459	93.4186	45.4794
42	0	-0.919183	94.2635	45.4794
43	0	-0.903992	95.0807	45.4794
44	0	-0.885291	95.8644	45.4794
45	0	-0.87055	96.6223	45.4794
46	0	-0.855996	97.355	45.4794
47	0	-0.841621	98.0633	45.4794

48	0	-0.823893	98.7421	45.4794
49	0	-0.809896	99.3981	45.4794
50	0	-0.796056	100.032	45.4794
51	0	-0.782366	100.644	45.4794
52	0	-0.765456	101.23	45.4794
53	0	-0.752084	101.795	45.4794
54	0	-0.738846	102.341	45.4794
55	0	-0.722479	102.863	45.4794
56	0.0953102	-0.709522	103.367	45.4117
57	0.0953102	-0.696684	103.852	45.3453
58	0.641854	-0.68396	104.32	44.9063
59	0.693147	-0.668209	104.766	44.4432
60	0.693147	-0.655726	105.196	43.9887
61	0.693147	-0.643345	105.61	43.5427
62	0.693147	-0.631062	106.008	43.1053
63	0.693147	-0.615839	106.388	42.6784
64	0.693147	-0.603765	106.752	42.2599
65	0.693147	-0.591776	107.102	41.8498
66	0.693147	-0.576911	107.435	41.4499
67	0.693147	-0.565108	107.755	41.0582
68	0.693147	-0.553384	108.061	40.6746
69	0.693147	-0.541736	108.354	40.2991
70	0.693147	-0.52728	108.632	39.9336
71	0.693147	-0.515791	108.898	39.5761
72	0.693147	-0.504372	109.153	39.2265
73	0.693147	-0.493018	109.396	38.8848
74	0.693147	-0.478914	109.625	38.5528
75	0.693147	-0.467699	109.844	38.2286
76	0.693147	-0.456542	110.052	37.9122
77	0.693147	-0.442676	110.248	37.6053
78	0.693147	-0.431644	110.435	37.3061
79	0.693147	-0.420664	110.612	37.0145
80	0.693147	-0.409735	110.78	36.7305
81	0.693147	-0.396142	110.936	36.456
82	0.693147	-0.385321	111.085	36.1889
83	0.693147	-0.374544	111.225	35.9293
84	0.693147	-0.363809	111.358	35.6771
85	0.693147	-0.350451	111.48	35.4342
86	0.693147	-0.33981	111.596	35.1986
87	0.693147	-0.329206	111.704	34.9704
88	0.693147	-0.316004	111.804	34.7514
89	0.693147	-0.305481	111.897	34.5397
90	0.693147	-0.294992	111.984	34.3352
91	0.693147	-0.284535	112.065	34.138
92	0.693147	-0.271509	112.139	33.9498
93	0.693147	-0.26112	112.207	33.7688
94	0.693147	-0.250759	112.27	33.595
95	0.693147	-0.240426	112.328	33.4283
96	0.693147	-0.227545	112.38	33.2706
97	0.693147	-0.217267	112.427	33.12
98	0.693147	-0.207012	112.47	32.9765
99	0.693147	-0.194225	112.508	32.8419
100	0.693147	-0.184017	112.541	32.7143
101	0.693147	-0.173829	112.572	32.5938
102	0.693147	-0.163659	112.598	32.4804
103	0.693147	-0.150969	112.621	32.3757
104	0.693147	-0.140835	112.641	32.2781

105	0.693147	-0.130716	112.658	32.1875
106	0.693147	-0.12061	112.673	32.1039
107	0.693147	-0.107995	112.684	32.0291
108	0.693147	-0.0979139	112.694	31.9612
109	0.693147	-0.0878447	112.702	31.9003
110	0.693147	-0.0752698	112.707	31.8481
111	0.693147	-0.0652187	112.712	31.8029
112	0.693147	-0.0551734	112.715	31.7647
113	0.693147	-0.0451348	112.717	31.7334
114	0.693147	-0.0325917	112.718	31.7108
115	0.693147	-0.0225612	112.718	31.6952
116	0.693147	-0.0125328	112.718	31.6865
117	0.693147	0	112.718	31.6865
118	0.693147	0.0125328	112.719	31.6952
119	0.693147	0.0225612	112.719	31.7108
120	0.693147	0.0325917	112.72	31.7334
121	0.693147	0.0451348	112.722	31.7647
122	0.693147	0.0551734	112.725	31.8029
123	0.693147	0.0652187	112.729	31.8481
124	0.693147	0.0752698	112.735	31.9003
125	0.693147	0.0878447	112.743	31.9612
126	0.693147	0.0979139	112.752	32.0291
127	0.693147	0.107995	112.764	32.1039
128	0.693147	0.12061	112.779	32.1875
129	0.693147	0.130716	112.796	32.2781
130	0.693147	0.140835	112.816	32.3757
131	0.693147	0.150969	112.838	32.4804
132	0.693147	0.163659	112.865	32.5938
133	0.693147	0.173829	112.895	32.7143
134	0.693147	0.184017	112.929	32.8419
135	1.09861	0.194225	112.967	33.0552
136	1.09861	0.207012	113.01	33.2827
137	1.09861	0.217267	113.057	33.5214
138	1.09861	0.227545	113.109	33.7714
139	1.09861	0.240426	113.167	34.0355
140	1.09861	0.250759	113.229	34.311
141	1.19392	0.26112	113.298	34.6227
142	1.19392	0.271509	113.371	34.9469
143	1.19392	0.284535	113.452	35.2866
144	1.19392	0.294992	113.539	35.6388
145	1.19392	0.305481	113.633	36.0035
146	1.19392	0.316004	113.732	36.3808
147	1.19392	0.329206	113.841	36.7739
148	1.19392	0.33981	113.956	37.1796
149	1.19392	0.350451	114.079	37.598
150	1.19392	0.363809	114.211	38.0323
151	1.19392	0.374544	114.352	38.4795
152	1.19392	0.385321	114.5	38.9396
153	1.19392	0.396142	114.657	39.4125
154	1.19392	0.409735	114.825	39.9017
155	1.19392	0.420664	115.002	40.4039
156	1.19392	0.431644	115.188	40.9193
157	1.19392	0.442676	115.384	41.4478
158	1.19392	0.456542	115.593	41.9929
159	1.19392	0.467699	115.811	42.5513
160	1.19392	0.478914	116.041	43.1231
161	1.19392	0.493018	116.284	43.7117

162	1.19392	0.504372	116.538	44.3139
163	1.19392	0.515791	116.804	44.9297
164	1.19392	0.52728	117.082	45.5592
165	1.19392	0.541736	117.376	46.206
166	1.19392	0.553384	117.682	46.8667
167	1.19392	0.565108	118.001	47.5414
168	1.19392	0.576911	118.334	48.2302
169	1.19392	0.591776	118.684	48.9367
170	1.19392	0.603765	119.049	49.6576
171	1.19392	0.615839	119.428	50.3928
172	1.19392	0.631062	119.826	51.1463
173	1.19392	0.643345	120.24	51.9144
174	1.19392	0.655726	120.67	52.6973
175	1.19392	0.668209	121.117	53.4951
176	1.19392	0.68396	121.585	54.3117
177	1.19392	0.696684	122.07	55.1434
178	1.19392	0.709522	122.573	55.9906
179	1.19392	0.722479	123.095	56.8531
180	1.19392	0.738846	123.641	57.7353
181	1.19392	0.752084	124.207	58.6332
182	1.19392	0.765456	124.793	59.5471
183	1.19392	0.782366	125.405	60.4812
184	1.19392	0.796056	126.039	61.4316
185	1.19392	0.809896	126.695	62.3986
186	1.19392	0.823893	127.373	63.3822
187	1.19392	0.841621	128.082	64.3871
188	1.19392	0.855996	128.814	65.409
189	1.19392	0.87055	129.572	66.4484
190	1.19392	0.885291	130.356	67.5054
191	1.19392	0.903992	131.173	68.5847
192	1.19392	0.919183	132.018	69.6821
193	1.19392	0.93459	132.892	70.7979
194	1.19392	0.954165	133.802	71.9371
195	1.19392	0.970094	134.743	73.0954
196	1.19392	0.986272	135.716	74.2729
197	1.19392	1.00271	136.721	75.4701
198	1.19392	1.02365	137.769	76.6922
199	1.19392	1.04073	138.852	77.9348
200	1.19392	1.05812	139.972	79.1981
201	1.19392	1.07584	141.129	80.4825
202	1.19392	1.09847	142.336	81.794
203	1.19392	1.11699	143.584	83.1276
204	1.19392	1.1359	144.874	84.4838
205	1.19392	1.16012	146.22	85.8689
206	1.19392	1.18	147.612	87.2777
207	1.19392	1.20036	149.053	88.7109
208	1.19392	1.22123	150.544	90.1689
209	1.19392	1.24809	152.102	91.659
210	1.19392	1.27024	153.716	93.1756
211	1.19392	1.29303	155.388	94.7194
212	1.19392	1.31652	157.121	96.2912
213	1.19392	1.34694	158.935	97.8993
214	1.19392	1.3722	160.818	99.5376
215	1.19392	1.39838	162.773	101.207
216	1.19392	1.4325	164.825	102.917
217	1.38629	1.46106	166.96	104.943
218	1.38629	1.49085	169.183	107.01

219	1.38629	1.52203	171.499	109.12
220	1.38629	1.56322	173.943	111.287
221	1.38629	1.59819	176.497	113.502
222	1.38629	1.63524	179.171	115.769
223	1.38629	1.67466	181.976	118.091
224	1.38629	1.72793	184.962	120.486
225	1.38629	1.77438	188.11	122.946
226	1.38629	1.82501	191.441	125.476
227	1.72277	1.8957	195.034	128.742
228	1.72277	1.95996	198.876	132.118
229	1.77495	2.03352	203.011	135.728
230	1.79176	2.12007	207.506	139.527
231	2.20827	2.25713	212.6	144.511
232	2.63906	2.40892	218.403	150.868
233	2.89037	2.65209	225.437	158.534

Data Set Standard Deviation = 0.949382
Numerator = 25132.9
Denominator = 47140.5
W Statistic = 0.533149 = 25132.9 / 47140.5

5% Critical value of 0.976 exceeds 0.533149
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.533149
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Arsenic, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<0	107
	5/15/1996	ND<0	107
	5/16/1996	ND<0	107
	5/17/1996	ND<0	107
	11/5/1996	ND<0	107
	4/15/1997	ND<0	107
	10/31/1997	ND<0	107
	6/24/1998	ND<0	107
	12/10/1998	ND<0	107
	5/25/1999	ND<0	107
	11/19/1999	ND<0	107
	5/23/2000	ND<0	107
	12/14/2000	ND<0	107
	6/6/2001	ND<0	107
	11/15/2001	ND<0	107
	6/12/2002	ND<0	107
	11/5/2002	ND<0	107
	6/17/2003	ND<0	107
	12/5/2003	ND<0	107
	6/22/2004	ND<0	107
	10/20/2004	1.09861	221
	6/15/2005	0.693147	214
	6/15/2005	0.693147	215
	6/15/2005	0.693147	216
	11/1/2005	ND<0.693147	107
	3/17/2006	0.693147	217
	9/11/2006	1.09861	222
	2/21/2007	1.09861	223
	8/14/2007	1.38629	227
	2/7/2008	0.693147	218
	8/4/2008	1.09861	224
	2/19/2009	ND<0.693147	107
	8/20/2009	ND<0.693147	107
	1/21/2010	ND<0.693147	107
	9/7/2010	ND<0.693147	107
	1/7/2011	ND<0.693147	107
	8/1/2011	ND<0.693147	107
	2/24/2012	ND<0.693147	107
	8/22/2012	ND<0.693147	107
	1/10/2013	ND<0.693147	107
	8/28/2013	ND<0.693147	107
	2/4/2014	ND<0.693147	107
	8/7/2014	ND<0.693147	107
	2/11/2015	ND<0.693147	107
	8/20/2015	ND<0.693147	107
	2/17/2016	ND<0.693147	107

	2/17/2016	ND<0.693147	107
	8/3/2016	ND<1.38629	107
	1/12/2017	ND<1.38629	107
	7/20/2017	ND<1.38629	107
	1/23/2018	ND<0.693147 U	107
	7/12/2018	ND<0.693147	107
	2/13/2019	ND<1.77495	107
	8/16/2019	ND<1.19392	107
	3/17/2020	ND<1.19392	107
	8/25/2020	ND<1.19392	107
	3/16/2021	ND<0.0953102 J	107
	7/26/2021	ND<1.19392	107
	3/2/2022	ND<1.19392	107
	9/21/2022	ND<1.19392	107
	3/9/2023	ND<1.19392	107
	7/19/2023	ND<1.19392	107
	1/23/2024	ND<1.19392	107
	8/26/2024	ND<1.19392	107
	2/3/2025	ND<1.19392	107
	7/22/2025	ND<1.19392	107
	1/6/2026	ND<1.19392	107
Rank Sum = 8296			
Rank Mean = 123.821			
M-17S	5/15/1996	ND<0	107
	11/5/1996	ND<0	107
	4/15/1997	ND<0	107
	10/30/1997	ND<0	107
	6/23/1998	ND<0	107
	12/9/1998	ND<0	107
	5/25/1999	ND<0	107
	11/16/1999	ND<0	107
	5/19/2000	ND<0	107
	12/12/2000	ND<0	107
	6/5/2001	ND<0	107
	11/15/2001	ND<0	107
	6/13/2002	ND<0	107
	11/7/2002	ND<0	107
	6/17/2003	ND<0	107
	12/4/2003	ND<0	107
	6/22/2004	ND<0	107
	10/19/2004	ND<0	107
	6/15/2005	ND<0.693147	107
	6/15/2005	ND<0.693147	107
	6/15/2005	ND<0.693147	107
	11/1/2005	ND<0.693147	107
	3/16/2006	0.693147	219
	9/12/2006	ND<0.693147	107
	2/20/2007	ND<0.693147	107
	8/13/2007	ND<0.693147	107
	2/6/2008	ND<0.693147	107
	8/6/2008	0.693147	220
	2/18/2009	ND<0.693147	107
	8/19/2009	ND<0.693147	107
	1/22/2010	ND<0.693147	107
	9/8/2010	ND<0.693147	107
	1/7/2011	ND<0.693147	107
	8/1/2011	ND<0.693147	107

	2/21/2012	ND<0.693147	107
	8/22/2012	ND<0.693147	107
	1/11/2013	ND<0.693147	107
	8/28/2013	ND<0.693147	107
	2/6/2014	ND<0.693147	107
	8/6/2014	ND<0.693147	107
	2/12/2015	ND<0.693147	107
	8/20/2015	ND<0.693147	107
	2/17/2016	ND<0.693147	107
	2/17/2016	ND<0.693147	107
	8/4/2016	ND<1.38629	107
	1/12/2017	ND<1.38629	107
	7/19/2017	ND<1.38629	107
	1/23/2018	ND<0.693147 U	107
	7/11/2018	ND<0.693147	107
	2/13/2019	ND<1.19392	107
	8/13/2019	ND<1.19392	107
	3/17/2020	ND<1.19392	107
	8/27/2020	ND<1.19392	107
	3/15/2021	ND<1.19392	107
	7/27/2021	2.20827	231
	3/3/2022	ND<1.19392	107
	9/21/2022	ND<1.19392	107
	3/9/2023	ND<1.19392	107
	7/24/2023	ND<1.19392	107
	1/23/2024	ND<0.641854 J	107
	8/26/2024	ND<1.19392	107
	2/3/2025	ND<1.19392	107
	7/21/2025	ND<1.19392	107
	1/6/2026	ND<1.19392	107
Rank Sum = 7197			
Rank Mean = 112.453			
M-23	12/8/1998	ND<0	107
	12/9/1998	ND<0	107
	12/10/1998	ND<0	107
	12/11/1998	1.09861	225
	5/27/1999	ND<0	107
	5/23/2000	ND<0	107
	11/17/2000	ND<0	107
	12/13/2000	ND<0	107
	6/8/2001	ND<0	107
	11/14/2001	ND<0	107
	6/14/2002	ND<0	107
	11/5/2002	ND<0	107
	6/17/2003	ND<0	107
	12/5/2003	ND<0	107
	6/25/2004	ND<0	107
	10/19/2004	ND<0.693147	107
	6/15/2005	ND<-6.21461	107
	6/15/2005	ND<-6.21461	107
	6/15/2005	ND<-6.21461	107
	11/2/2005	ND<0.693147	107
	3/16/2006	ND<0.693147	107
	9/12/2006	ND<0.693147	107
	2/22/2007	ND<0.693147	107
	8/15/2007	1.09861	226
	2/6/2008	ND<0.693147	107

	8/4/2008	ND<0.693147	107
	2/18/2009	ND<0.693147	107
	8/19/2009	ND<0.693147	107
	1/21/2010	ND<0.693147	107
	9/7/2010	ND<0.693147	107
	1/7/2011	ND<0.693147	107
	8/1/2011	ND<0.693147	107
	2/21/2012	ND<0.693147	107
	8/22/2012	ND<0.693147	107
	1/11/2013	ND<0.693147	107
	8/29/2013	ND<0.693147	107
	2/6/2014	ND<0.693147	107
	8/6/2014	ND<0.693147	107
	2/10/2015	ND<0.693147	107
	8/18/2015	ND<0.693147	107
	2/17/2016	ND<0.693147	107
	2/17/2016	ND<0.693147	107
	8/3/2016	ND<1.38629	107
	1/12/2017	ND<1.38629	107
	7/19/2017	ND<1.38629	107
	1/23/2018	ND<0.693147 U	107
	7/11/2018	ND<0.0953102 J	107
	2/13/2019	ND<1.19392	107
	8/16/2019	ND<1.19392	107
	3/17/2020	ND<1.19392	107
	8/25/2020	ND<1.19392	107
	3/16/2021	ND<1.19392	107
	7/26/2021	ND<1.19392	107
	3/2/2022	ND<1.19392	107
	9/21/2022	ND<1.19392	107
	3/9/2023	ND<1.19392	107
	7/24/2023	ND<1.19392	107
	1/23/2024	ND<1.19392	107
	8/26/2024	ND<1.19392	107
	2/3/2025	ND<1.19392	107
	7/21/2025	ND<1.19392	107
	1/6/2026	ND<1.19392	107

Rank Sum = 6871
Rank Mean = 110.823

Background Rank Sum = 22364
Background Rank Mean = 115.876

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<1.19392	107
	8/27/2024	ND<1.19392	107
	2/7/2025	ND<1.19392	107
	7/23/2025	ND<1.19392	107
	1/7/2026	ND<1.19392	107

Rank Sum = 535
Rank Mean = 107

M-24D	1/24/2024	ND<1.19392	107
	8/29/2024	ND<1.19392	107
	2/5/2025	ND<1.19392	107

	7/24/2025	ND<1.19392	107
	1/8/2026	ND<1.19392	107

Rank Sum = 535
Rank Mean = 107

M-7	1/24/2024	ND<1.19392	107
	8/28/2024	ND<1.19392	107
	2/4/2025	ND<1.19392	107
	7/21/2025	ND<1.19392	107
	1/5/2026	ND<1.19392	107

Rank Sum = 535
Rank Mean = 107

M-8	1/24/2024	ND<1.19392	107
	8/27/2024	ND<1.19392	107
	2/5/2025	ND<1.19392	107
	7/24/2025	ND<1.19392	107
	1/8/2026	ND<1.19392	107

Rank Sum = 535
Rank Mean = 107

M-18	1/25/2024	2.63906	232
	8/28/2024	2.89037	233
	2/5/2025	1.72277	228
	7/22/2025	1.79176	230
	1/7/2026	1.72277	229

Rank Sum = 1152
Rank Mean = 230.4

M-9S	1/25/2024	ND<1.19392	107
	8/28/2024	ND<1.19392	107
	2/5/2025	ND<1.19392	107
	7/22/2025	ND<1.19392	107
	1/8/2026	ND<1.19392	107

Rank Sum = 535
Rank Mean = 107

M-21	1/22/2024	ND<1.19392	107
	8/27/2024	ND<1.19392	107
	2/4/2025	ND<1.19392	107
	7/21/2025	ND<1.19392	107
	1/7/2026	ND<1.19392	107

Rank Sum = 535
Rank Mean = 107

M-19	1/22/2024	ND<1.19392	107
	8/29/2024	ND<1.19392	107
	2/3/2025	ND<1.19392	107
	7/23/2025	ND<1.19392	107
	1/6/2026	ND<1.19392	107

Rank Sum = 535
Rank Mean = 107

Calculation Results:

Kruskal-Wallis H Statistic = 14.9756
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 63.4448

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
14.9756 < 15.5073 indicating no significant group difference at 5% significance level
63.4448 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 115.876

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	107	-8.87565	71.0293
M-24D	107	-8.87565	71.0293
M-7	107	-8.87565	71.0293
M-8	107	-8.87565	71.0293
M-18	**230.4**	**114.524**	**71.0293**
M-9S	107	-8.87565	71.0293
M-21	107	-8.87565	71.0293
M-19	107	-8.87565	71.0293

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213
Mean background rank is 115.876

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	107	-8.87565	76.702
M-24D	107	-8.87565	76.702
M-7	107	-8.87565	76.702
M-8	107	-8.87565	76.702
M-18	**230.4**	**114.524**	**76.702**
M-9S	107	-8.87565	76.702
M-21	107	-8.87565	76.702
M-19	107	-8.87565	76.702

Shapiro-Francia Test of Normality

Parameter: Barium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 232

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-4.50986	-2.65209	7.03356	11.9605
2	-4.50986	-2.40892	12.8365	22.8244
3	-4.50986	-2.25713	17.9311	33.0038
4	0.641854	-2.12007	22.4258	31.643
5	1.60944	-2.03352	26.561	28.3702
6	1.60944	-1.95996	30.4025	25.2158
7	1.60944	-1.88079	33.9398	22.1887
8	1.72277	-1.82501	37.2705	19.0447
9	1.72277	-1.77438	40.4189	15.9878
10	1.72277	-1.72793	43.4046	13.011
11	1.72277	-1.67466	46.2091	10.126
12	1.72277	-1.63524	48.8831	7.30884
13	1.74047	-1.59819	51.4373	4.52724
14	1.82455	-1.55477	53.8547	1.69048
15	1.88707	-1.52203	56.1712	-1.18171
16	1.93152	-1.49085	58.3939	-4.06132
17	1.96009	-1.46106	60.5286	-6.92513
18	1.96009	-1.42554	62.5608	-9.71933
19	1.97408	-1.39838	64.5162	-12.4798
20	1.98787	-1.3722	66.3992	-15.2076
21	2.0149	-1.34075	68.1968	-17.9091
22	2.0149	-1.31652	69.93	-20.5618
23	2.06686	-1.29303	71.6019	-23.2343
24	2.07944	-1.26464	73.2013	-25.864
25	2.07944	-1.24264	74.7454	-28.448
26	2.07944	-1.22123	76.2368	-30.9875
27	2.07944	-1.20036	77.6777	-33.4836
28	2.10413	-1.17499	79.0583	-35.9559
29	2.10413	-1.15522	80.3928	-38.3867
30	2.12823	-1.1359	81.6831	-40.8041
31	2.18605	-1.11232	82.9203	-43.2357
32	2.19722	-1.0939	84.1169	-45.6392
33	2.19722	-1.07584	85.2744	-48.0031
34	2.19722	-1.05812	86.394	-50.328
35	2.19722	-1.03643	87.4682	-52.6053
36	2.19722	-1.01943	88.5074	-54.8452
37	2.2192	-1.00271	89.5128	-57.0704
38	2.23001	-0.982202	90.4776	-59.2608
39	2.24071	-0.966088	91.4109	-61.4255
40	2.28238	-0.950222	92.3138	-63.5942
41	2.29253	-0.93459	93.1873	-65.7368
42	2.29253	-0.915365	94.0252	-67.8353
43	2.30259	-0.900227	94.8356	-69.9082
44	2.30259	-0.885291	95.6193	-71.9466
45	2.30259	-0.866894	96.3708	-73.9427
46	2.30259	-0.852385	97.0974	-75.9054
47	2.30259	-0.838054	97.7997	-77.8351

48	2.30259	-0.820379	98.4727	-79.7241
49	2.30259	-0.806422	99.123	-81.581
50	2.30259	-0.792618	99.7513	-83.406
51	2.30259	-0.778966	100.358	-85.1997
52	2.38876	-0.7621	100.939	-87.0201
53	2.3979	-0.748762	101.5	-88.8156
54	2.3979	-0.735557	102.041	-90.5794
55	2.3979	-0.719228	102.558	-92.304
56	2.3979	-0.706302	103.057	-93.9977
57	2.3979	-0.693493	103.538	-95.6606
58	2.3979	-0.680797	104.001	-97.2931
59	2.3979	-0.665079	104.443	-98.8879
60	2.45959	-0.652622	104.869	-100.493
61	2.45959	-0.640266	105.279	-102.068
62	2.48491	-0.624956	105.67	-103.621
63	2.48491	-0.612813	106.045	-105.144
64	2.48491	-0.60076	106.406	-106.636
65	2.48491	-0.588793	106.753	-108.099
66	2.48491	-0.573953	107.082	-109.526
67	2.48491	-0.56217	107.398	-110.923
68	2.48491	-0.550465	107.701	-112.291
69	2.48491	-0.53594	107.989	-113.622
70	2.48491	-0.524401	108.264	-114.925
71	2.48491	-0.51293	108.527	-116.2
72	2.5416	-0.498687	108.776	-117.467
73	2.56495	-0.487364	109.013	-118.717
74	2.56495	-0.476105	109.24	-119.939
75	2.56495	-0.464904	109.456	-121.131
76	2.56495	-0.450985	109.659	-122.288
77	2.56495	-0.439913	109.853	-123.416
78	2.56495	-0.428895	110.037	-124.516
79	2.56495	-0.415193	110.209	-125.581
80	2.56495	-0.40429	110.373	-126.618
81	2.56495	-0.393433	110.527	-127.627
82	2.56495	-0.382622	110.674	-128.609
83	2.63906	-0.369171	110.81	-129.583
84	2.63906	-0.358459	110.939	-130.529
85	2.63906	-0.347787	111.059	-131.447
86	2.63906	-0.334503	111.171	-132.33
87	2.63906	-0.323919	111.276	-133.184
88	2.63906	-0.31337	111.374	-134.011
89	2.63906	-0.302855	111.466	-134.811
90	2.70805	-0.28976	111.55	-135.595
91	2.70805	-0.279319	111.628	-136.352
92	2.70805	-0.268908	111.7	-137.08
93	2.70805	-0.255936	111.766	-137.773
94	2.70805	-0.24559	111.826	-138.438
95	2.77259	-0.235269	111.882	-139.091
96	2.77259	-0.222403	111.931	-139.707
97	2.83321	-0.212137	111.976	-140.308
98	2.83321	-0.201894	112.017	-140.88
99	2.83321	-0.191671	112.054	-141.423
100	2.85647	-0.17892	112.086	-141.934
101	2.89037	-0.168741	112.114	-142.422
102	2.89037	-0.158579	112.139	-142.88
103	2.89037	-0.1459	112.161	-143.302
104	2.94444	-0.135774	112.179	-143.702

105	2.94444	-0.125661	112.195	-144.072
106	2.94444	-0.115562	112.208	-144.412
107	2.94444	-0.102953	112.219	-144.715
108	2.94444	-0.0928787	112.227	-144.989
109	2.94444	-0.0828129	112.234	-145.233
110	2.99573	-0.0702426	112.239	-145.443
111	3.04452	-0.0601949	112.243	-145.626
112	3.04452	-0.0501541	112.245	-145.779
113	3.04452	-0.0401167	112.247	-145.901
114	3.09104	-0.0275759	112.248	-145.986
115	3.09104	-0.0175476	112.248	-146.041
116	3.13549	-0.00751925	112.248	-146.064
117	3.13549	0.00751925	112.248	-146.041
118	3.17805	0.0175476	112.248	-145.985
119	3.17805	0.0275759	112.249	-145.897
120	3.17805	0.0401167	112.251	-145.77
121	3.21888	0.0501541	112.253	-145.608
122	3.21888	0.0601949	112.257	-145.414
123	3.21888	0.0702426	112.262	-145.188
124	3.21888	0.0828129	112.269	-144.922
125	3.21888	0.0928787	112.277	-144.623
126	3.21888	0.102953	112.288	-144.291
127	3.2581	0.115562	112.301	-143.915
128	3.2581	0.125661	112.317	-143.506
129	3.2581	0.135774	112.335	-143.063
130	3.2581	0.1459	112.357	-142.588
131	3.2581	0.158579	112.382	-142.071
132	3.29584	0.168741	112.41	-141.515
133	3.29584	0.17892	112.442	-140.925
134	3.29584	0.191671	112.479	-140.294
135	3.29584	0.201894	112.52	-139.628
136	3.29584	0.212137	112.565	-138.929
137	3.3322	0.222403	112.614	-138.188
138	3.3322	0.235269	112.67	-137.404
139	3.3322	0.24559	112.73	-136.586
140	3.3322	0.255936	112.796	-135.733
141	3.3322	0.268908	112.868	-134.837
142	3.3673	0.279319	112.946	-133.896
143	3.4012	0.28976	113.03	-132.911
144	3.4012	0.302855	113.122	-131.881
145	3.43399	0.31337	113.22	-130.804
146	3.46574	0.323919	113.325	-129.682
147	3.46574	0.334503	113.437	-128.523
148	3.46574	0.347787	113.558	-127.317
149	3.46886	0.358459	113.686	-126.074
150	3.49043	0.369171	113.822	-124.785
151	3.49651	0.382622	113.969	-123.447
152	3.52636	0.393433	114.123	-122.06
153	3.52636	0.40429	114.287	-120.634
154	3.53223	0.415193	114.459	-119.168
155	3.55535	0.428895	114.643	-117.643
156	3.58352	0.439913	114.837	-116.066
157	3.60821	0.450985	115.04	-114.439
158	3.63231	0.464904	115.256	-112.751
159	3.63231	0.476105	115.483	-111.021
160	3.63759	0.487364	115.721	-109.248
161	3.66356	0.498687	115.969	-107.421

162	3.66356	0.51293	116.232	-105.542
163	3.66356	0.524401	116.507	-103.621
164	3.68888	0.53594	116.795	-101.644
165	3.71113	0.550465	117.098	-99.6012
166	3.71357	0.56217	117.414	-97.5135
167	3.71357	0.573953	117.743	-95.3821
168	3.73767	0.588793	118.09	-93.1814
169	3.7612	0.60076	118.451	-90.9218
170	3.7612	0.612813	118.826	-88.6169
171	3.7612	0.624956	119.217	-86.2663
172	3.78419	0.640266	119.627	-83.8434
173	3.78419	0.652622	120.053	-81.3738
174	3.79997	0.665079	120.495	-78.8465
175	3.80666	0.680797	120.958	-76.2549
176	3.84802	0.693493	121.439	-73.5863
177	3.8795	0.706302	121.938	-70.8462
178	3.89182	0.719228	122.455	-68.0471
179	3.89589	0.735557	122.997	-65.1815
180	3.91202	0.748762	123.557	-62.2523
181	3.91202	0.7621	124.138	-59.271
182	3.95124	0.778966	124.745	-56.1931
183	3.97029	0.792618	125.373	-53.0461
184	4.04305	0.806422	126.023	-49.7857
185	4.04305	0.820379	126.696	-46.4689
186	4.06044	0.838054	127.399	-43.066
187	4.06044	0.852385	128.125	-39.605
188	4.14313	0.866894	128.877	-36.0133
189	4.14313	0.885291	129.66	-32.3454
190	4.15888	0.900227	130.471	-28.6015
191	4.23411	0.915365	131.309	-24.7257
192	4.2485	0.93459	132.182	-20.7551
193	4.29046	0.950222	133.085	-16.6783
194	4.34381	0.966088	134.018	-12.4818
195	4.35671	0.982202	134.983	-8.20259
196	4.35671	1.00271	135.989	-3.83407
197	4.39445	1.01943	137.028	0.645751
198	4.40672	1.03643	138.102	5.21302
199	4.40672	1.05812	139.222	9.87587
200	4.42724	1.07584	140.379	14.6389
201	4.43082	1.0939	141.576	19.4857
202	4.48751	1.11232	142.813	24.4773
203	4.49981	1.1359	144.103	29.5886
204	4.51086	1.15522	145.438	34.7996
205	4.55388	1.17499	146.818	40.1504
206	4.55913	1.20036	148.259	45.623
207	4.58701	1.22123	149.751	51.2247
208	4.59208	1.24264	151.295	56.9311
209	4.60517	1.26464	152.894	62.755
210	4.60517	1.29303	154.566	68.7096
211	4.61512	1.31652	156.299	74.7855
212	4.70048	1.34075	158.097	81.0877
213	4.70048	1.3722	159.98	87.5377
214	4.75359	1.39838	161.935	94.185
215	4.78749	1.42554	163.967	101.01
216	4.78749	1.46106	166.102	108.005
217	4.86753	1.49085	168.325	115.261
218	4.90527	1.52203	170.641	122.727

219	4.93447	1.55477	173.059	130.399
220	4.93447	1.59819	175.613	138.286
221	4.94164	1.63524	178.287	146.366
222	5.01064	1.67466	181.091	154.757
223	5.03695	1.72793	184.077	163.461
224	5.07517	1.77438	187.226	172.466
225	5.07517	1.82501	190.556	181.728
226	5.24702	1.88079	194.094	191.597
227	5.29832	1.95996	197.935	201.982
228	5.34711	2.03352	202.07	212.855
229	5.43808	2.12007	206.565	224.384
230	5.48064	2.25713	211.66	236.755
231	5.55296	2.40892	217.462	250.131
232	5.82895	2.65209	224.496	265.59

Data Set Standard Deviation = 1.30398
Numerator = 70538.1
Denominator = 88178.1
W Statistic = 0.79995 = 70538.1 / 88178.1

5% Critical value of 0.976 exceeds 0.79995
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.79995
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Barium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	2.19722	33
	5/15/1996	2.70805	90
	5/16/1996	2.19722	34
	5/17/1996	2.3979	53
	11/5/1996	2.63906	83
	4/15/1997	2.48491	62
	10/31/1997	2.3979	54
	6/24/1998	2.48491	63
	12/10/1998	2.30259	44
	5/25/1999	2.63906	84
	11/19/1999	2.30259	45
	5/23/2000	2.56495	73
	12/14/2000	2.3979	55
	6/6/2001	2.3979	56
	11/15/2001	2.63906	85
	6/12/2002	2.56495	74
	11/5/2002	2.83321	97
	6/17/2003	3.09104	114
	12/5/2003	2.70805	91
	6/22/2004	2.70805	92
	10/20/2004	3.17805	118
	6/15/2005	2.94444	104
	6/15/2005	2.94444	105
	6/15/2005	2.94444	106
	11/1/2005	2.70805	93
	3/17/2006	3.97029	183
	9/11/2006	3.04452	111
	2/21/2007	3.21888	121
	8/14/2007	3.3322	137
	2/7/2008	3.58352	156
	8/4/2008	2.83321	98
	2/19/2009	3.29584	132
	8/20/2009	3.04452	112
	1/21/2010	ND<1.60944	4.5
	9/7/2010	2.94444	107
	1/7/2011	3.13549	116
	8/1/2011	3.17805	119
	2/24/2012	3.17805	120
	8/22/2012	2.85647	100
	1/10/2013	3.46886	149
	8/28/2013	3.49043	150
	2/4/2014	3.60821	157
	8/7/2014	3.53223	154
	2/11/2015	3.84802	176
	8/20/2015	3.8795	177
	2/17/2016	3.63231	158

	2/17/2016	3.63231	159
	8/3/2016	3.79997	174
	1/12/2017	3.89589	179
	7/20/2017	3.71113	165
	1/23/2018	3.91202	180
	7/12/2018	3.66356	161
	2/13/2019	3.66356	162
	8/16/2019	3.95124	182
	3/17/2020	3.78419	172
	8/25/2020	4.06044	186
	3/16/2021	3.3322	138
	7/26/2021	3.3322	139
	3/2/2022	4.60517	209
	9/21/2022	3.55535	155
	3/9/2023	4.55388	205
	7/19/2023	4.04305	184
	1/23/2024	3.3322	140
	8/26/2024	3.3322	141
	2/3/2025	3.29584	133
	7/22/2025	4.51086	204
	1/6/2026	3.46574	146
Rank Sum = 8159.5			
Rank Mean = 121.784			
M-17S	5/15/1996	2.48491	64
	11/5/1996	3.46574	147
	4/15/1997	2.19722	35
	10/30/1997	2.30259	46
	6/23/1998	2.48491	65
	12/9/1998	2.3979	57
	5/25/1999	2.56495	75
	11/16/1999	2.56495	76
	5/19/2000	2.63906	86
	12/12/2000	2.63906	87
	6/5/2001	2.70805	94
	11/15/2001	2.56495	77
	6/13/2002	2.30259	47
	11/7/2002	2.19722	36
	6/17/2003	2.83321	99
	12/4/2003	2.48491	66
	6/22/2004	2.77259	95
	10/19/2004	2.89037	101
	6/15/2005	3.21888	122
	6/15/2005	3.21888	123
	6/15/2005	3.21888	124
	11/1/2005	3.89182	178
	3/16/2006	4.15888	190
	9/12/2006	4.04305	185
	2/20/2007	4.23411	191
	8/13/2007	3.91202	181
	2/6/2008	4.35671	195
	8/6/2008	4.40672	198
	2/18/2009	4.61512	211
	8/19/2009	4.35671	196
	1/22/2010	3.80666	175
	9/8/2010	4.29046	193
	1/7/2011	4.40672	199
	8/1/2011	4.43082	201

	2/21/2012	4.39445	197
	8/22/2012	4.55913	206
	1/11/2013	4.58701	207
	8/28/2013	4.42724	200
	2/6/2014	4.48751	202
	8/6/2014	4.2485	192
	2/12/2015	4.60517	210
	8/20/2015	4.75359	214
	2/17/2016	4.93447	219
	2/17/2016	4.93447	220
	8/4/2016	4.59208	208
	1/12/2017	4.90527	218
	7/19/2017	5.03695	223
	1/23/2018	5.24702	226
	7/11/2018	4.49981	203
	2/13/2019	4.78749	215
	8/13/2019	4.70048	212
	3/17/2020	5.43808	229
	8/27/2020	5.07517	224
	3/15/2021	5.01064	222
	7/27/2021	5.48064	230
	3/3/2022	4.70048	213
	9/21/2022	4.78749	216
	3/9/2023	5.34711	228
	7/24/2023	4.86753	217
	1/23/2024	5.82895	232
	8/26/2024	4.34381	194
	2/3/2025	4.94164	221
	7/21/2025	5.29832	227
	1/6/2026	5.07517	225
Rank Sum = 10665			
Rank Mean = 166.641			
M-23	12/8/1998	4.14313	188
	12/9/1998	4.06044	187
	12/10/1998	4.14313	189
	12/11/1998	5.55296	231
	5/27/1999	3.29584	134
	5/23/2000	3.63759	160
	12/13/2000	2.07944	25
	6/8/2001	3.66356	163
	11/14/2001	3.4012	143
	6/14/2002	2.63906	88
	11/5/2002	2.56495	78
	6/17/2003	2.89037	102
	12/5/2003	2.94444	108
	6/25/2004	2.89037	103
	10/19/2004	2.48491	67
	6/15/2005	-4.50986	9
	6/15/2005	-4.50986	10
	6/15/2005	-4.50986	11
	11/2/2005	2.63906	89
	3/16/2006	ND<2.30259	4.5
	9/12/2006	2.77259	96
	2/22/2007	2.48491	68
	8/15/2007	2.94444	109
	2/6/2008	2.19722	37
	8/4/2008	3.4012	144

2/18/2009	ND<1.60944	4.5
8/19/2009	2.07944	26
1/21/2010	1.60944	12
9/7/2010	2.30259	48
1/7/2011	2.07944	27
8/1/2011	2.07944	28
2/21/2012	2.30259	49
8/22/2012	2.18605	32
1/11/2013	1.72277	13
8/29/2013	2.12823	31
2/6/2014	2.24071	40
8/6/2014	2.5416	72
2/10/2015	2.45959	60
8/18/2015	2.38876	52
2/17/2016	1.96009	18
2/17/2016	1.96009	19
8/3/2016	2.10413	29
1/12/2017	2.3979	58
7/19/2017	2.45959	61
1/23/2018	1.88707	16
7/11/2018	2.99573	110
2/13/2019	2.30259	50
8/16/2019	2.48491	69
3/17/2020	1.97408	20
8/25/2020	2.30259	51
3/16/2021	2.3979	59
7/26/2021	2.2192	38
3/2/2022	2.29253	42
9/21/2022	2.23001	39
3/9/2023	2.0149	22
7/24/2023	2.29253	43
1/23/2024	1.93152	17
8/26/2024	1.82455	15
2/3/2025	2.56495	79
7/21/2025	2.48491	70
1/6/2026	1.74047	14

Rank Sum = 3977
Rank Mean = 65.1967

Background Rank Sum = 22801.5
Background Rank Mean = 118.758

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	3.7612	169
	8/27/2024	3.7612	170
	2/7/2025	3.78419	173
	7/23/2025	3.7612	171
	1/7/2026	3.73767	168

Rank Sum = 851
Rank Mean = 170.2

M-24D	1/24/2024	3.2581	127
	8/29/2024	3.2581	128
	2/5/2025	3.2581	129
	7/24/2025	3.2581	130

	1/8/2026	3.29584	135

Rank Sum = 649
Rank Mean = 129.8

M-7	1/24/2024	ND<1.72277	4.5
	8/28/2024	2.48491	71
	2/4/2025	2.56495	80
	7/21/2025	2.56495	81
	1/5/2026	2.28238	41

Rank Sum = 277.5
Rank Mean = 55.5

M-8	1/24/2024	2.56495	82
	8/27/2024	ND<1.72277	4.5
	2/5/2025	ND<1.72277	4.5
	7/24/2025	ND<0.641854 J	4.5
	1/8/2026	ND<1.72277	4.5

Rank Sum = 100
Rank Mean = 20

M-18	1/25/2024	3.29584	136
	8/28/2024	3.21888	125
	2/5/2025	3.2581	131
	7/22/2025	3.52636	152
	1/7/2026	3.46574	148

Rank Sum = 692
Rank Mean = 138.4

M-9S	1/25/2024	3.43399	145
	8/28/2024	3.49651	151
	2/5/2025	3.71357	166
	7/22/2025	3.68888	164
	1/8/2026	3.71357	167

Rank Sum = 793
Rank Mean = 158.6

M-21	1/22/2024	3.09104	115
	8/27/2024	3.13549	117
	2/4/2025	3.3673	142
	7/21/2025	3.04452	113
	1/7/2026	3.52636	153

Rank Sum = 640
Rank Mean = 128

M-19	1/22/2024	1.98787	21
	8/29/2024	3.21888	126
	2/3/2025	2.10413	30
	7/23/2025	2.0149	23
	1/6/2026	2.06686	24

Rank Sum = 224
Rank Mean = 44.8

Calculation Results:

Kruskal-Wallis H Statistic = 26.4334
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 26.4345
95% Confidence comparison value is 15.5073 at 8 degrees of freedom

26.4334 > 15.5073 indicating a significant group difference at 5% significance level
26.4345 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 118.758

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	170.2	51.4422	70.7298
M-24D	129.8	11.0422	70.7298
M-7	55.5	-63.2578	70.7298
M-8	20	-98.7578	70.7298
M-18	138.4	19.6422	70.7298
M-9S	158.6	39.8422	70.7298
M-21	128	9.24219	70.7298
M-19	44.8	-73.9578	70.7298

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213
Mean background rank is 118.758

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	170.2	51.4422	76.3786
M-24D	129.8	11.0422	76.3786
M-7	55.5	-63.2578	76.3786
M-8	20	-98.7578	76.3786
M-18	138.4	19.6422	76.3786
M-9S	158.6	39.8422	76.3786
M-21	128	9.24219	76.3786
M-19	44.8	-73.9578	76.3786

Shapiro-Francia Test of Normality

Parameter: Beryllium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-6.21461	-2.65209	7.03356	16.4817
2	-6.21461	-2.40892	12.8365	31.4522
3	-6.21461	-2.25713	17.9311	45.4794
4	-0.755023	-2.12007	22.4258	47.0801
5	0	-2.03352	26.561	47.0801
6	0	-1.95996	30.4025	47.0801
7	0	-1.8957	33.9961	47.0801
8	0	-1.82501	37.3268	47.0801
9	0	-1.77438	40.4752	47.0801
10	0	-1.72793	43.4609	47.0801
11	0	-1.67466	46.2654	47.0801
12	0	-1.63524	48.9394	47.0801
13	0	-1.59819	51.4936	47.0801
14	0	-1.56322	53.9373	47.0801
15	0	-1.52203	56.2539	47.0801
16	0	-1.49085	58.4765	47.0801
17	0	-1.46106	60.6112	47.0801
18	0	-1.4325	62.6633	47.0801
19	0	-1.39838	64.6187	47.0801
20	0	-1.3722	66.5017	47.0801
21	0	-1.34694	68.3159	47.0801
22	0	-1.31652	70.0492	47.0801
23	0.0953102	-1.29303	71.7211	46.9568
24	0.0953102	-1.27024	73.3346	46.8358
25	0.0953102	-1.24809	74.8923	46.7168
26	0.0953102	-1.22123	76.3837	46.6004
27	0.0953102	-1.20036	77.8246	46.486
28	0.0953102	-1.18	79.217	46.3735
29	0.0953102	-1.16012	80.5629	46.263
30	0.0953102	-1.1359	81.8531	46.1547
31	0.0953102	-1.11699	83.1008	46.0482
32	0.0953102	-1.09847	84.3074	45.9436
33	0.0953102	-1.07584	85.4648	45.841
34	0.0953102	-1.05812	86.5845	45.7402
35	0.0953102	-1.04073	87.6676	45.641
36	0.0953102	-1.02365	88.7154	45.5434
37	0.0953102	-1.00271	89.7209	45.4478
38	0.0953102	-0.986272	90.6936	45.3538
39	0.0953102	-0.970094	91.6347	45.2614
40	0.0953102	-0.954165	92.5451	45.1704
41	0.0953102	-0.93459	93.4186	45.0814
42	0.0953102	-0.919183	94.2635	44.9938
43	0.0953102	-0.903992	95.0807	44.9076
44	0.0953102	-0.885291	95.8644	44.8232
45	0.0953102	-0.87055	96.6223	44.7402
46	0.0953102	-0.855996	97.355	44.6587
47	0.0953102	-0.841621	98.0633	44.5784

48	0.0953102	-0.823893	98.7421	44.4999
49	0.0953102	-0.809896	99.3981	44.4227
50	0.0953102	-0.796056	100.032	44.3469
51	0.0953102	-0.782366	100.644	44.2723
52	0.0953102	-0.765456	101.23	44.1993
53	0.0953102	-0.752084	101.795	44.1277
54	0.0953102	-0.738846	102.341	44.0572
55	0.0953102	-0.722479	102.863	43.9884
56	0.0953102	-0.709522	103.367	43.9207
57	0.0953102	-0.696684	103.852	43.8543
58	0.0953102	-0.68396	104.32	43.7892
59	0.0953102	-0.668209	104.766	43.7255
60	0.0953102	-0.655726	105.196	43.663
61	0.0953102	-0.643345	105.61	43.6017
62	0.0953102	-0.631062	106.008	43.5415
63	0.0953102	-0.615839	106.388	43.4828
64	0.0953102	-0.603765	106.752	43.4253
65	0.0953102	-0.591776	107.102	43.3689
66	0.0953102	-0.576911	107.435	43.3139
67	0.0953102	-0.565108	107.755	43.26
68	0.0953102	-0.553384	108.061	43.2073
69	0.0953102	-0.541736	108.354	43.1556
70	0.0953102	-0.52728	108.632	43.1054
71	0.0953102	-0.515791	108.898	43.0562
72	0.0953102	-0.504372	109.153	43.0082
73	0.0953102	-0.493018	109.396	42.9612
74	0.0953102	-0.478914	109.625	42.9155
75	0.0953102	-0.467699	109.844	42.8709
76	0.0953102	-0.456542	110.052	42.8274
77	0.0953102	-0.442676	110.248	42.7852
78	0.0953102	-0.431644	110.435	42.7441
79	0.0953102	-0.420664	110.612	42.704
80	0.0953102	-0.409735	110.78	42.665
81	0.0953102	-0.396142	110.936	42.6272
82	0.0953102	-0.385321	111.085	42.5905
83	0.0953102	-0.374544	111.225	42.5548
84	0.0953102	-0.363809	111.358	42.5201
85	0.0953102	-0.350451	111.48	42.4867
86	0.0953102	-0.33981	111.596	42.4543
87	0.0953102	-0.329206	111.704	42.4229
88	0.0953102	-0.316004	111.804	42.3928
89	0.0953102	-0.305481	111.897	42.3637
90	0.0953102	-0.294992	111.984	42.3356
91	0.0953102	-0.284535	112.065	42.3085
92	0.0953102	-0.271509	112.139	42.2826
93	0.0953102	-0.26112	112.207	42.2577
94	0.0953102	-0.250759	112.27	42.2338
95	0.0953102	-0.240426	112.328	42.2109
96	0.0953102	-0.227545	112.38	42.1892
97	0.0953102	-0.217267	112.427	42.1685
98	0.0953102	-0.207012	112.47	42.1488
99	0.0953102	-0.194225	112.508	42.1302
100	0.0953102	-0.184017	112.541	42.1127
101	0.0953102	-0.173829	112.572	42.0961
102	0.0953102	-0.163659	112.598	42.0805
103	0.0953102	-0.150969	112.621	42.0662
104	0.0953102	-0.140835	112.641	42.0527

105	0.0953102	-0.130716	112.658	42.0403
106	0.693147	-0.12061	112.673	41.9567
107	0.693147	-0.107995	112.684	41.8818
108	0.693147	-0.0979139	112.694	41.8139
109	0.693147	-0.0878447	112.702	41.7531
110	0.693147	-0.0752698	112.707	41.7009
111	0.693147	-0.0652187	112.712	41.6557
112	0.693147	-0.0551734	112.715	41.6174
113	0.693147	-0.0451348	112.717	41.5862
114	0.693147	-0.0325917	112.718	41.5636
115	0.693147	-0.0225612	112.718	41.5479
116	0.693147	-0.0125328	112.718	41.5392
117	0.693147	0	112.718	41.5392
118	0.693147	0.0125328	112.719	41.5479
119	0.693147	0.0225612	112.719	41.5636
120	0.693147	0.0325917	112.72	41.5862
121	0.693147	0.0451348	112.722	41.6174
122	0.693147	0.0551734	112.725	41.6557
123	0.693147	0.0652187	112.729	41.7009
124	0.693147	0.0752698	112.735	41.7531
125	0.693147	0.0878447	112.743	41.8139
126	0.693147	0.0979139	112.752	41.8818
127	0.693147	0.107995	112.764	41.9567
128	0.693147	0.12061	112.779	42.0403
129	0.693147	0.130716	112.796	42.1309
130	0.693147	0.140835	112.816	42.2285
131	0.693147	0.150969	112.838	42.3331
132	0.693147	0.163659	112.865	42.4466
133	0.693147	0.173829	112.895	42.5671
134	0.693147	0.184017	112.929	42.6946
135	0.693147	0.194225	112.967	42.8292
136	0.693147	0.207012	113.01	42.9727
137	0.693147	0.217267	113.057	43.1233
138	0.693147	0.227545	113.109	43.2811
139	0.693147	0.240426	113.167	43.4477
140	0.693147	0.250759	113.229	43.6215
141	0.693147	0.26112	113.298	43.8025
142	0.693147	0.271509	113.371	43.9907
143	0.693147	0.284535	113.452	44.1879
144	0.693147	0.294992	113.539	44.3924
145	0.693147	0.305481	113.633	44.6042
146	0.693147	0.316004	113.732	44.8232
147	0.693147	0.329206	113.841	45.0514
148	0.693147	0.33981	113.956	45.2869
149	0.693147	0.350451	114.079	45.5298
150	0.693147	0.363809	114.211	45.782
151	0.693147	0.374544	114.352	46.0416
152	0.693147	0.385321	114.5	46.3087
153	0.693147	0.396142	114.657	46.5833
154	0.693147	0.409735	114.825	46.8673
155	0.693147	0.420664	115.002	47.1589
156	0.693147	0.431644	115.188	47.4581
157	0.693147	0.442676	115.384	47.7649
158	0.693147	0.456542	115.593	48.0814
159	0.693147	0.467699	115.811	48.4055
160	0.693147	0.478914	116.041	48.7375
161	0.693147	0.493018	116.284	49.0792

162	0.693147	0.504372	116.538	49.4288
163	0.693147	0.515791	116.804	49.7864
164	0.693147	0.52728	117.082	50.1518
165	0.693147	0.541736	117.376	50.5273
166	0.693147	0.553384	117.682	50.9109
167	0.693147	0.565108	118.001	51.3026
168	0.693147	0.576911	118.334	51.7025
169	0.693147	0.591776	118.684	52.1127
170	0.693147	0.603765	119.049	52.5312
171	0.693147	0.615839	119.428	52.9581
172	0.693147	0.631062	119.826	53.3955
173	0.693147	0.643345	120.24	53.8414
174	0.693147	0.655726	120.67	54.2959
175	0.693147	0.668209	121.117	54.7591
176	0.693147	0.68396	121.585	55.2332
177	0.693147	0.696684	122.07	55.7161
178	0.693147	0.709522	122.573	56.2079
179	0.693147	0.722479	123.095	56.7087
180	0.693147	0.738846	123.641	57.2208
181	0.693147	0.752084	124.207	57.7421
182	0.693147	0.765456	124.793	58.2727
183	0.693147	0.782366	125.405	58.815
184	0.693147	0.796056	126.039	59.3668
185	0.693147	0.809896	126.695	59.9281
186	0.693147	0.823893	127.373	60.4992
187	0.693147	0.841621	128.082	61.0826
188	0.693147	0.855996	128.814	61.6759
189	0.693147	0.87055	129.572	62.2793
190	0.693147	0.885291	130.356	62.893
191	0.693147	0.903992	131.173	63.5196
192	0.693147	0.919183	132.018	64.1567
193	0.693147	0.93459	132.892	64.8045
194	0.693147	0.954165	133.802	65.4659
195	0.693147	0.970094	134.743	66.1383
196	0.693147	0.986272	135.716	66.8219
197	0.693147	1.00271	136.721	67.517
198	0.693147	1.02365	137.769	68.2265
199	0.693147	1.04073	138.852	68.9479
200	0.693147	1.05812	139.972	69.6813
201	0.693147	1.07584	141.129	70.427
202	0.693147	1.09847	142.336	71.1884
203	0.693147	1.11699	143.584	71.9627
204	0.693147	1.1359	144.874	72.75
205	0.693147	1.16012	146.22	73.5541
206	0.693147	1.18	147.612	74.3721
207	0.693147	1.20036	149.053	75.2041
208	0.693147	1.22123	150.544	76.0506
209	0.693147	1.24809	152.102	76.9157
210	0.693147	1.27024	153.716	77.7961
211	0.693147	1.29303	155.388	78.6924
212	0.693147	1.31652	157.121	79.6049
213	0.693147	1.34694	158.935	80.5386
214	0.693147	1.3722	160.818	81.4897
215	0.693147	1.39838	162.773	82.459
216	0.693147	1.4325	164.825	83.4519
217	0.693147	1.46106	166.96	84.4647
218	0.693147	1.49085	169.183	85.498

219	0.693147	1.52203	171.499	86.553
220	0.693147	1.56322	173.943	87.6366
221	0.693147	1.59819	176.497	88.7444
222	0.693147	1.63524	179.171	89.8778
223	0.693147	1.67466	181.976	91.0386
224	0.693147	1.72793	184.962	92.2363
225	0.693147	1.77438	188.11	93.4662
226	0.693147	1.82501	191.441	94.7312
227	0.693147	1.8957	195.034	96.0452
228	0.693147	1.95996	198.876	97.4038
229	0.693147	2.03352	203.011	98.8133
230	0.693147	2.12007	207.506	100.283
231	0.693147	2.25713	212.6	101.847
232	0.693147	2.40892	218.403	103.517
233	0.693147	2.65209	225.437	105.355

Data Set Standard Deviation = 0.812309
Numerator = 11099.8
Denominator = 34510.8
W Statistic = 0.321631 = 11099.8 / 34510.8

5% Critical value of 0.976 exceeds 0.321631
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.321631
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Beryllium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<0.693147	116.5
	5/15/1996	ND<0.693147	116.5
	5/16/1996	ND<0.693147	116.5
	5/17/1996	ND<0.693147	116.5
	11/5/1996	0.693147	233
	4/15/1997	ND<0.693147	116.5
	10/31/1997	ND<0.693147	116.5
	6/24/1998	ND<0.693147	116.5
	12/10/1998	ND<0.693147	116.5
	5/25/1999	ND<0.693147	116.5
	11/19/1999	ND<0.693147	116.5
	5/23/2000	ND<0.693147	116.5
	12/14/2000	ND<0.693147	116.5
	6/6/2001	ND<0.693147	116.5
	11/15/2001	ND<0.693147	116.5
	6/12/2002	ND<0.693147	116.5
	11/5/2002	ND<0.693147	116.5
	6/17/2003	ND<0.693147	116.5
	12/5/2003	ND<0.693147	116.5
	6/22/2004	ND<0.693147	116.5
	10/20/2004	ND<0.693147	116.5
	6/15/2005	ND<0.693147	116.5
	6/15/2005	ND<0.693147	116.5
	6/15/2005	ND<0.693147	116.5
	11/1/2005	ND<0.693147	116.5
	3/17/2006	ND<0.693147	116.5
	9/11/2006	ND<0.693147	116.5
	2/21/2007	ND<0.693147	116.5
	8/14/2007	ND<0.693147	116.5
	2/7/2008	ND<0	116.5
	8/4/2008	ND<0	116.5
	2/19/2009	ND<0	116.5
	8/20/2009	ND<0.693147	116.5
	1/21/2010	ND<0.693147	116.5
	9/7/2010	ND<0.693147	116.5
	1/7/2011	ND<0.693147	116.5
	8/1/2011	ND<0.693147	116.5
	2/24/2012	ND<0.693147	116.5
	8/22/2012	ND<0.693147	116.5
	1/10/2013	ND<0.693147	116.5
	8/28/2013	ND<0.693147	116.5
	2/4/2014	ND<0.693147	116.5
	8/7/2014	ND<0.693147	116.5
	2/11/2015	ND<0.693147	116.5
	8/20/2015	ND<0.693147	116.5
	2/17/2016	ND<0.693147	116.5

	2/17/2016	ND<0.693147	116.5
	8/3/2016	ND<0	116.5
	1/12/2017	ND<0	116.5
	7/20/2017	ND<0	116.5
	1/23/2018	ND<0.693147 U	116.5
	7/12/2018	ND<0.693147	116.5
	2/13/2019	ND<0.693147	116.5
	8/16/2019	ND<0.0953102	116.5
	3/17/2020	ND<0.0953102	116.5
	8/25/2020	ND<0.0953102	116.5
	3/16/2021	ND<0.0953102	116.5
	7/26/2021	ND<0.0953102	116.5
	3/2/2022	ND<0.0953102	116.5
	9/21/2022	ND<0.0953102	116.5
	3/9/2023	ND<0.0953102	116.5
	7/19/2023	ND<0.0953102	116.5
	1/23/2024	ND<0.0953102	116.5
	8/26/2024	ND<0.0953102	116.5
	2/3/2025	ND<0.0953102	116.5
	7/22/2025	ND<0.0953102	116.5
	1/6/2026	ND<0.0953102	116.5
Rank Sum = 7922			
Rank Mean = 118.239			
M-17S	5/15/1996	ND<0.693147	116.5
	11/5/1996	ND<0.693147	116.5
	4/15/1997	ND<0.693147	116.5
	10/30/1997	ND<0.693147	116.5
	6/23/1998	ND<0.693147	116.5
	12/9/1998	ND<0.693147	116.5
	5/25/1999	ND<0.693147	116.5
	11/16/1999	ND<0.693147	116.5
	5/19/2000	ND<0.693147	116.5
	12/12/2000	ND<0.693147	116.5
	6/5/2001	ND<0.693147	116.5
	11/15/2001	ND<0.693147	116.5
	6/13/2002	ND<0.693147	116.5
	11/7/2002	ND<0.693147	116.5
	6/17/2003	ND<0.693147	116.5
	12/4/2003	ND<0.693147	116.5
	6/22/2004	ND<0.693147	116.5
	10/19/2004	ND<0.693147	116.5
	6/15/2005	ND<0.693147	116.5
	6/15/2005	ND<0.693147	116.5
	6/15/2005	ND<0.693147	116.5
	11/1/2005	ND<0.693147	116.5
	3/16/2006	ND<0.693147	116.5
	9/12/2006	ND<0.693147	116.5
	2/20/2007	ND<0.693147	116.5
	8/13/2007	ND<0.693147	116.5
	2/6/2008	ND<0	116.5
	8/6/2008	ND<0	116.5
	2/18/2009	ND<0	116.5
	8/19/2009	ND<0.693147	116.5
	1/22/2010	ND<0.693147	116.5
	9/8/2010	ND<0.693147	116.5
	1/7/2011	ND<0.693147	116.5
	8/1/2011	ND<0.693147	116.5

	2/21/2012	ND<0.693147	116.5
	8/22/2012	ND<0.693147	116.5
	1/11/2013	ND<0.693147	116.5
	8/28/2013	ND<0.693147	116.5
	2/6/2014	ND<0.693147	116.5
	8/6/2014	ND<0.693147	116.5
	2/12/2015	ND<0.693147	116.5
	8/20/2015	ND<0.693147	116.5
	2/17/2016	ND<0.693147	116.5
	2/17/2016	ND<0.693147	116.5
	8/4/2016	ND<0	116.5
	1/12/2017	ND<0	116.5
	7/19/2017	ND<0	116.5
	1/23/2018	ND<0.693147 U	116.5
	7/11/2018	ND<0.693147	116.5
	2/13/2019	ND<0.0953102	116.5
	8/13/2019	ND<0.0953102	116.5
	3/17/2020	ND<0.0953102	116.5
	8/27/2020	ND<0.0953102	116.5
	3/15/2021	ND<0.0953102	116.5
	7/27/2021	ND<-0.755023 J	116.5
	3/3/2022	ND<0.0953102	116.5
	9/21/2022	ND<0.0953102	116.5
	3/9/2023	ND<0.0953102	116.5
	7/24/2023	ND<0.0953102	116.5
	1/23/2024	ND<0.0953102	116.5
	8/26/2024	ND<0.0953102	116.5
	2/3/2025	ND<0.0953102	116.5
	7/21/2025	ND<0.0953102	116.5
	1/6/2026	ND<0.0953102	116.5
Rank Sum = 7456			
Rank Mean = 116.5			
M-23	12/8/1998	ND<0.693147	116.5
	12/9/1998	ND<0.693147	116.5
	12/10/1998	ND<0.693147	116.5
	12/11/1998	ND<0.693147	116.5
	5/27/1999	ND<0.693147	116.5
	5/23/2000	ND<0.693147	116.5
	11/17/2000	ND<0.693147	116.5
	12/13/2000	ND<0.693147	116.5
	6/8/2001	ND<0.693147	116.5
	11/14/2001	ND<0.693147	116.5
	6/14/2002	ND<0.693147	116.5
	11/5/2002	ND<0.693147	116.5
	6/17/2003	ND<0.693147	116.5
	12/5/2003	ND<0.693147	116.5
	6/25/2004	ND<0.693147	116.5
	10/19/2004	ND<0.693147	116.5
	6/15/2005	ND<-6.21461	116.5
	6/15/2005	ND<-6.21461	116.5
	6/15/2005	ND<-6.21461	116.5
	11/2/2005	ND<0.693147	116.5
	3/16/2006	ND<0.693147	116.5
	9/12/2006	ND<0.693147	116.5
	2/22/2007	ND<0.693147	116.5
	8/15/2007	ND<0.693147	116.5
	2/6/2008	ND<0	116.5

8/4/2008	ND<0	116.5
2/18/2009	ND<0	116.5
8/19/2009	ND<0.693147	116.5
1/21/2010	ND<0.693147	116.5
9/7/2010	ND<0.693147	116.5
1/7/2011	ND<0.693147	116.5
8/1/2011	ND<0.693147	116.5
2/21/2012	ND<0.693147	116.5
8/22/2012	ND<0.693147	116.5
1/11/2013	ND<0.693147	116.5
8/29/2013	ND<0.693147	116.5
2/6/2014	ND<0.693147	116.5
8/6/2014	ND<0.693147	116.5
2/10/2015	ND<0.693147	116.5
8/18/2015	ND<0.693147	116.5
2/17/2016	ND<0.693147	116.5
2/17/2016	ND<0.693147	116.5
8/3/2016	ND<0	116.5
1/12/2017	ND<0	116.5
7/19/2017	ND<0	116.5
1/23/2018	ND<0.693147 U	116.5
7/11/2018	ND<0.693147	116.5
2/13/2019	ND<0.0953102	116.5
8/16/2019	ND<0.0953102	116.5
3/17/2020	ND<0.0953102	116.5
8/25/2020	ND<0.0953102	116.5
3/16/2021	ND<0.0953102	116.5
7/26/2021	ND<0.0953102	116.5
3/2/2022	ND<0.0953102	116.5
9/21/2022	ND<0.0953102	116.5
3/9/2023	ND<0.0953102	116.5
7/24/2023	ND<0.0953102	116.5
1/23/2024	ND<0.0953102	116.5
8/26/2024	ND<0.0953102	116.5
2/3/2025	ND<0.0953102	116.5
7/21/2025	ND<0.0953102	116.5
1/6/2026	ND<0.0953102	116.5

Rank Sum = 7223
Rank Mean = 116.5

Background Rank Sum = 22601
Background Rank Mean = 117.104

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.0953102	116.5
	8/27/2024	ND<0.0953102	116.5
	2/7/2025	ND<0.0953102	116.5
	7/23/2025	ND<0.0953102	116.5
	1/7/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

M-24D	1/24/2024	ND<0.0953102	116.5
	8/29/2024	ND<0.0953102	116.5
	2/5/2025	ND<0.0953102	116.5

	7/24/2025	ND<0.0953102	116.5
	1/8/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

M-7	1/24/2024	ND<0.0953102	116.5
	8/28/2024	ND<0.0953102	116.5
	2/4/2025	ND<0.0953102	116.5
	7/21/2025	ND<0.0953102	116.5
	1/5/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

M-8	1/24/2024	ND<0.0953102	116.5
	8/27/2024	ND<0.0953102	116.5
	2/5/2025	ND<0.0953102	116.5
	7/24/2025	ND<0.0953102	116.5
	1/8/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

M-18	1/25/2024	ND<0.0953102	116.5
	8/28/2024	ND<0.0953102	116.5
	2/5/2025	ND<0.0953102	116.5
	7/22/2025	ND<0.0953102	116.5
	1/7/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

M-9S	1/25/2024	ND<0.0953102	116.5
	8/28/2024	ND<0.0953102	116.5
	2/5/2025	ND<0.0953102	116.5
	7/22/2025	ND<0.0953102	116.5
	1/8/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

M-21	1/22/2024	ND<0.0953102	116.5
	8/27/2024	ND<0.0953102	116.5
	2/4/2025	ND<0.0953102	116.5
	7/21/2025	ND<0.0953102	116.5
	1/7/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

M-19	1/22/2024	ND<0.0953102	116.5
	8/29/2024	ND<0.0953102	116.5
	2/3/2025	ND<0.0953102	116.5
	7/23/2025	ND<0.0953102	116.5
	1/6/2026	ND<0.0953102	116.5

Rank Sum = 582.5
Rank Mean = 116.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.0026571
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0.207254

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
0.0026571 < 15.5073 indicating no significant group difference at 5% significance level
0.207254 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Cadmium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-0.916291	-2.65209	7.03356	2.43008
2	-0.755023	-2.40892	12.8365	4.24887
3	-0.733969	-2.25713	17.9311	5.90554
4	-0.693147	-2.12007	22.4258	7.37506
5	-0.693147	-2.03352	26.561	8.78459
6	-0.693147	-1.95996	30.4025	10.1431
7	-0.693147	-1.8957	33.9961	11.4571
8	-0.693147	-1.82501	37.3268	12.7221
9	-0.693147	-1.77438	40.4752	13.952
10	-0.693147	-1.72793	43.4609	15.1497
11	-0.693147	-1.67466	46.2654	16.3105
12	-0.693147	-1.63524	48.9394	17.444
13	-0.693147	-1.59819	51.4936	18.5518
14	-0.693147	-1.56322	53.9373	19.6353
15	-0.693147	-1.52203	56.2539	20.6903
16	-0.693147	-1.49085	58.4765	21.7237
17	-0.693147	-1.46106	60.6112	22.7364
18	-0.693147	-1.4325	62.6633	23.7293
19	-0.693147	-1.39838	64.6187	24.6986
20	-0.693147	-1.3722	66.5017	25.6498
21	-0.693147	-1.34694	68.3159	26.5834
22	-0.693147	-1.31652	70.0492	27.4959
23	-0.693147	-1.29303	71.7211	28.3922
24	-0.693147	-1.27024	73.3346	29.2727
25	-0.693147	-1.24809	74.8923	30.1378
26	-0.693147	-1.22123	76.3837	30.9843
27	-0.693147	-1.20036	77.8246	31.8163
28	-0.693147	-1.18	79.217	32.6342
29	-0.693147	-1.16012	80.5629	33.4383
30	-0.693147	-1.1359	81.8531	34.2257
31	-0.693147	-1.11699	83.1008	34.9999
32	-0.693147	-1.09847	84.3074	35.7613
33	-0.693147	-1.07584	85.4648	36.507
34	-0.693147	-1.05812	86.5845	37.2405
35	-0.693147	-1.04073	87.6676	37.9618
36	-0.693147	-1.02365	88.7154	38.6714
37	-0.693147	-1.00271	89.7209	39.3664
38	-0.693147	-0.986272	90.6936	40.05
39	-0.693147	-0.970094	91.6347	40.7225
40	-0.693147	-0.954165	92.5451	41.3838
41	-0.693147	-0.93459	93.4186	42.0316
42	-0.693147	-0.919183	94.2635	42.6688
43	-0.693147	-0.903992	95.0807	43.2954
44	-0.693147	-0.885291	95.8644	43.909
45	-0.693147	-0.87055	96.6223	44.5124
46	-0.693147	-0.855996	97.355	45.1058
47	-0.693147	-0.841621	98.0633	45.6891

48	-0.693147	-0.823893	98.7421	46.2602
49	-0.673345	-0.809896	99.3981	46.8055
50	-0.478036	-0.796056	100.032	47.1861
51	-0.356675	-0.782366	100.644	47.4651
52	-0.328504	-0.765456	101.23	47.7166
53	-0.287682	-0.752084	101.795	47.933
54	-0.261365	-0.738846	102.341	48.1261
55	-0.223144	-0.722479	102.863	48.2873
56	0	-0.709522	103.367	48.2873
57	0	-0.696684	103.852	48.2873
58	0	-0.68396	104.32	48.2873
59	0	-0.668209	104.766	48.2873
60	0	-0.655726	105.196	48.2873
61	0	-0.643345	105.61	48.2873
62	0	-0.631062	106.008	48.2873
63	0	-0.615839	106.388	48.2873
64	0	-0.603765	106.752	48.2873
65	0	-0.591776	107.102	48.2873
66	0	-0.576911	107.435	48.2873
67	0	-0.565108	107.755	48.2873
68	0	-0.553384	108.061	48.2873
69	0	-0.541736	108.354	48.2873
70	0	-0.52728	108.632	48.2873
71	0	-0.515791	108.898	48.2873
72	0	-0.504372	109.153	48.2873
73	0	-0.493018	109.396	48.2873
74	0	-0.478914	109.625	48.2873
75	0	-0.467699	109.844	48.2873
76	0	-0.456542	110.052	48.2873
77	0.0953102	-0.442676	110.248	48.2451
78	0.0953102	-0.431644	110.435	48.2039
79	0.0953102	-0.420664	110.612	48.1639
80	0.0953102	-0.409735	110.78	48.1248
81	0.0953102	-0.396142	110.936	48.087
82	0.0953102	-0.385321	111.085	48.0503
83	0.0953102	-0.374544	111.225	48.0146
84	0.0953102	-0.363809	111.358	47.9799
85	0.0953102	-0.350451	111.48	47.9465
86	0.0953102	-0.33981	111.596	47.9142
87	0.0953102	-0.329206	111.704	47.8828
88	0.0953102	-0.316004	111.804	47.8527
89	0.0953102	-0.305481	111.897	47.8235
90	0.0953102	-0.294992	111.984	47.7954
91	0.0953102	-0.284535	112.065	47.7683
92	0.0953102	-0.271509	112.139	47.7424
93	0.0953102	-0.26112	112.207	47.7175
94	0.0953102	-0.250759	112.27	47.6936
95	0.0953102	-0.240426	112.328	47.6707
96	0.0953102	-0.227545	112.38	47.649
97	0.0953102	-0.217267	112.427	47.6283
98	0.0953102	-0.207012	112.47	47.6086
99	0.0953102	-0.194225	112.508	47.5901
100	0.0953102	-0.184017	112.541	47.5726
101	0.0953102	-0.173829	112.572	47.556
102	0.0953102	-0.163659	112.598	47.5404
103	0.0953102	-0.150969	112.621	47.526
104	0.0953102	-0.140835	112.641	47.5126

105	0.0953102	-0.130716	112.658	47.5001
106	0.0953102	-0.12061	112.673	47.4886
107	0.0953102	-0.107995	112.684	47.4783
108	0.0953102	-0.0979139	112.694	47.469
109	0.0953102	-0.0878447	112.702	47.4606
110	0.0953102	-0.0752698	112.707	47.4535
111	0.0953102	-0.0652187	112.712	47.4472
112	0.0953102	-0.0551734	112.715	47.442
113	0.0953102	-0.0451348	112.717	47.4377
114	0.0953102	-0.0325917	112.718	47.4346
115	0.0953102	-0.0225612	112.718	47.4324
116	0.0953102	-0.0125328	112.718	47.4312
117	0.0953102	0	112.718	47.4312
118	0.0953102	0.0125328	112.719	47.4324
119	0.0953102	0.0225612	112.719	47.4346
120	0.0953102	0.0325917	112.72	47.4377
121	0.0953102	0.0451348	112.722	47.442
122	0.0953102	0.0551734	112.725	47.4472
123	0.0953102	0.0652187	112.729	47.4535
124	0.0953102	0.0752698	112.735	47.4606
125	0.0953102	0.0878447	112.743	47.469
126	0.0953102	0.0979139	112.752	47.4783
127	0.0953102	0.107995	112.764	47.4886
128	0.0953102	0.12061	112.779	47.5001
129	0.0953102	0.130716	112.796	47.5126
130	0.0953102	0.140835	112.816	47.526
131	0.0953102	0.150969	112.838	47.5404
132	0.0953102	0.163659	112.865	47.556
133	0.0953102	0.173829	112.895	47.5726
134	0.0953102	0.184017	112.929	47.5901
135	0.0953102	0.194225	112.967	47.6086
136	0.0953102	0.207012	113.01	47.6283
137	0.0953102	0.217267	113.057	47.649
138	0.0953102	0.227545	113.109	47.6707
139	0.0953102	0.240426	113.167	47.6936
140	0.0953102	0.250759	113.229	47.7175
141	0.0953102	0.26112	113.298	47.7424
142	0.0953102	0.271509	113.371	47.7683
143	0.0953102	0.284535	113.452	47.7954
144	0.0953102	0.294992	113.539	47.8235
145	0.0953102	0.305481	113.633	47.8527
146	0.262364	0.316004	113.732	47.9356
147	0.262364	0.329206	113.841	48.0219
148	0.262364	0.33981	113.956	48.1111
149	0.405465	0.350451	114.079	48.2532
150	0.470004	0.363809	114.211	48.4242
151	0.693147	0.374544	114.352	48.6838
152	0.693147	0.385321	114.5	48.9509
153	0.693147	0.396142	114.657	49.2255
154	0.693147	0.409735	114.825	49.5095
155	0.693147	0.420664	115.002	49.8011
156	0.693147	0.431644	115.188	50.1003
157	0.693147	0.442676	115.384	50.4071
158	0.693147	0.456542	115.593	50.7235
159	0.693147	0.467699	115.811	51.0477
160	0.693147	0.478914	116.041	51.3797
161	0.693147	0.493018	116.284	51.7214

162	0.693147	0.504372	116.538	52.071
163	0.693147	0.515791	116.804	52.4285
164	0.693147	0.52728	117.082	52.794
165	0.693147	0.541736	117.376	53.1695
166	0.693147	0.553384	117.682	53.5531
167	0.693147	0.565108	118.001	53.9448
168	0.693147	0.576911	118.334	54.3447
169	0.693147	0.591776	118.684	54.7549
170	0.693147	0.603765	119.049	55.1734
171	0.693147	0.615839	119.428	55.6002
172	0.693147	0.631062	119.826	56.0377
173	0.693147	0.643345	120.24	56.4836
174	0.693147	0.655726	120.67	56.9381
175	0.693147	0.668209	121.117	57.4013
176	0.693147	0.68396	121.585	57.8754
177	0.693147	0.696684	122.07	58.3583
178	0.693147	0.709522	122.573	58.8501
179	0.693147	0.722479	123.095	59.3509
180	0.693147	0.738846	123.641	59.863
181	0.693147	0.752084	124.207	60.3843
182	0.693147	0.765456	124.793	60.9149
183	0.693147	0.782366	125.405	61.4572
184	0.693147	0.796056	126.039	62.0089
185	0.693147	0.809896	126.695	62.5703
186	0.693147	0.823893	127.373	63.1414
187	0.693147	0.841621	128.082	63.7248
188	0.693147	0.855996	128.814	64.3181
189	0.693147	0.87055	129.572	64.9215
190	0.693147	0.885291	130.356	65.5351
191	0.693147	0.903992	131.173	66.1617
192	0.693147	0.919183	132.018	66.7989
193	0.693147	0.93459	132.892	67.4467
194	0.693147	0.954165	133.802	68.1081
195	0.693147	0.970094	134.743	68.7805
196	0.955511	0.986272	135.716	69.7229
197	0.993252	1.00271	136.721	70.7188
198	1.09861	1.02365	137.769	71.8434
199	1.335	1.04073	138.852	73.2328
200	1.38629	1.05812	139.972	74.6997
201	1.38629	1.07584	141.129	76.1911
202	1.38629	1.09847	142.336	77.7139
203	1.38629	1.11699	143.584	79.2624
204	1.38629	1.1359	144.874	80.8371
205	1.38629	1.16012	146.22	82.4453
206	1.38629	1.18	147.612	84.0811
207	1.38629	1.20036	149.053	85.7452
208	1.38629	1.22123	150.544	87.4382
209	1.38629	1.24809	152.102	89.1684
210	1.38629	1.27024	153.716	90.9293
211	1.38629	1.29303	155.388	92.7218
212	1.38629	1.31652	157.121	94.5469
213	1.38629	1.34694	158.935	96.4142
214	1.38629	1.3722	160.818	98.3165
215	1.38629	1.39838	162.773	100.255
216	1.38629	1.4325	164.825	102.241
217	1.38629	1.46106	166.96	104.266
218	1.38629	1.49085	169.183	106.333

219	1.38629	1.52203	171.499	108.443
220	1.38629	1.56322	173.943	110.61
221	1.38629	1.59819	176.497	112.826
222	1.45862	1.63524	179.171	115.211
223	1.54756	1.67466	181.976	117.803
224	1.60944	1.72793	184.962	120.584
225	2.19722	1.77438	188.11	124.482
226	2.56495	1.82501	191.441	129.163
227	2.58776	1.8957	195.034	134.069
228	8.95286	1.95996	198.876	151.616
229	9.36734	2.03352	203.011	170.665
230	9.55393	2.12007	207.506	190.92
231	9.60238	2.25713	212.6	212.594
232	10.9114	2.40892	218.403	238.879
233	11.2332	2.65209	225.437	268.67

Data Set Standard Deviation = 1.69291
Numerator = 72183.6
Denominator = 149892
W Statistic = 0.481569 = 72183.6 / 149892

5% Critical value of 0.976 exceeds 0.481569
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.481569
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Cadmium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	0.955511	218
	5/15/1996	1.335	221
	5/16/1996	ND<-0.693147	104
	5/17/1996	1.45862	222
	11/5/1996	0	209
	4/15/1997	0.693147	216
	10/31/1997	ND<-0.693147	104
	6/24/1998	ND<-0.693147	104
	12/10/1998	ND<-0.693147	104
	5/25/1999	ND<-0.693147	104
	11/19/1999	ND<-0.693147	104
	5/23/2000	ND<-0.693147	104
	12/14/2000	ND<-0.693147	104
	6/6/2001	ND<-0.693147	104
	11/15/2001	ND<-0.693147	104
	6/12/2002	ND<-0.693147	104
	11/5/2002	ND<-0.693147	104
	6/17/2003	ND<-0.693147	104
	12/5/2003	ND<-0.693147	104
	6/22/2004	ND<-0.693147	104
	10/20/2004	1.60944	224
	6/15/2005	ND<1.38629	104
	11/1/2005	ND<1.38629	104
	3/17/2006	2.19722	225
	9/11/2006	ND<1.38629	104
	2/21/2007	ND<1.38629	104
	2/21/2007	11.2332	233
	8/14/2007	2.56495	226
	8/14/2007	10.9114	232
	2/7/2008	ND<0	104
	8/4/2008	ND<0	104
	2/19/2009	ND<0	104
	8/20/2009	ND<0.693147	104
	1/21/2010	ND<0.693147	104
	9/7/2010	1.09861	220
	1/7/2011	ND<0.693147	104
	8/1/2011	ND<0.693147	104
	2/24/2012	ND<0.693147	104
	8/22/2012	2.58776	227
	1/10/2013	ND<0.693147	104
	8/28/2013	ND<0.693147	104
	2/4/2014	ND<0.693147	104
	8/7/2014	ND<0.693147	104
	2/11/2015	ND<0.693147	104
	8/20/2015	ND<0.693147	104
	2/17/2016	ND<0.693147	104

	2/17/2016	ND<0.693147	104
	8/3/2016	ND<0	104
	1/12/2017	ND<0	104
	7/20/2017	ND<0	104
	1/23/2018	ND<-0.755023 J	104
	7/12/2018	0.470004	215
	2/13/2019	ND<-0.287682 J	104
	8/16/2019	ND<-0.733969 J	104
	3/17/2020	ND<-0.328504 J	104
	8/25/2020	ND<-0.916291 J	104
	3/16/2021	0.693147	217
	7/26/2021	1.54756	223
	3/2/2022	ND<0 J	104
	9/21/2022	0.993252	219
	3/9/2023	ND<-0.478036 J	104
	7/19/2023	0.405465	214
	1/23/2024	0.262364	211
	8/26/2024	0.262364	212
	2/3/2025	ND<-0.261365 J	104
	7/22/2025	ND<-0.673345 J	104
	1/6/2026	ND<-0.223144 J	104
Rank Sum = 9176			
Rank Mean = 136.955			
M-17S	5/15/1996	0	210
	11/5/1996	-0.356675	208
	4/15/1997	ND<-0.693147	104
	10/30/1997	ND<-0.693147	104
	6/23/1998	ND<-0.693147	104
	12/9/1998	ND<-0.693147	104
	5/25/1999	ND<-0.693147	104
	11/16/1999	ND<-0.693147	104
	5/19/2000	ND<-0.693147	104
	12/12/2000	ND<-0.693147	104
	6/5/2001	ND<-0.693147	104
	11/15/2001	ND<-0.693147	104
	6/13/2002	ND<-0.693147	104
	11/7/2002	ND<-0.693147	104
	6/17/2003	ND<-0.693147	104
	12/4/2003	ND<-0.693147	104
	6/22/2004	ND<-0.693147	104
	10/19/2004	ND<1.38629	104
	6/15/2005	ND<1.38629	104
	11/1/2005	ND<1.38629	104
	3/16/2006	ND<1.38629	104
	9/12/2006	ND<1.38629	104
	2/20/2007	ND<1.38629	104
	2/20/2007	9.36734	229
	8/13/2007	ND<1.38629	104
	8/13/2007	8.95286	228
	2/6/2008	ND<0	104
	8/6/2008	ND<0	104
	2/18/2009	ND<0	104
	8/19/2009	ND<0.693147	104
	1/22/2010	ND<0.693147	104
	9/8/2010	ND<0.693147	104
	1/7/2011	ND<0.693147	104
	8/1/2011	ND<0.693147	104

	2/21/2012	ND<0.693147	104
	8/22/2012	ND<0.693147	104
	1/11/2013	ND<0.693147	104
	8/28/2013	ND<0.693147	104
	2/6/2014	ND<0.693147	104
	8/6/2014	ND<0.693147	104
	2/12/2015	ND<0.693147	104
	8/20/2015	ND<0.693147	104
	2/17/2016	ND<0.693147	104
	2/17/2016	ND<0.693147	104
	8/4/2016	ND<0	104
	1/12/2017	ND<0	104
	7/19/2017	ND<0	104
	1/23/2018	ND<1.38629 U	104
	7/11/2018	ND<1.38629	104
	2/13/2019	ND<0.0953102	104
	8/13/2019	ND<0.0953102	104
	3/17/2020	ND<0.0953102	104
	8/27/2020	ND<0.0953102	104
	3/15/2021	ND<0.0953102	104
	7/27/2021	0.262364	213
	3/3/2022	ND<0.0953102	104
	9/21/2022	ND<0.0953102	104
	3/9/2023	ND<0.0953102	104
	7/24/2023	ND<0.0953102	104
	1/23/2024	ND<0.0953102	104
	8/26/2024	ND<0.0953102	104
	2/3/2025	ND<0.0953102	104
	7/21/2025	ND<0.0953102	104
	1/6/2026	ND<0.0953102	104
Rank Sum = 7224			
Rank Mean = 112.875			
M-23	12/8/1998	ND<-0.693147	104
	12/9/1998	ND<-0.693147	104
	12/10/1998	ND<-0.693147	104
	12/11/1998	ND<-0.693147	104
	5/27/1999	ND<-0.693147	104
	5/23/2000	ND<-0.693147	104
	11/17/2000	ND<-0.693147	104
	12/13/2000	ND<-0.693147	104
	6/8/2001	ND<-0.693147	104
	11/14/2001	ND<-0.693147	104
	6/14/2002	ND<-0.693147	104
	11/5/2002	ND<-0.693147	104
	6/17/2003	ND<-0.693147	104
	12/5/2003	ND<-0.693147	104
	6/25/2004	ND<-0.693147	104
	10/19/2004	ND<1.38629	104
	6/15/2005	ND<1.38629	104
	11/2/2005	ND<1.38629	104
	3/16/2006	ND<1.38629	104
	9/12/2006	ND<1.38629	104
	2/22/2007	ND<1.38629	104
	2/22/2007	9.55393	230
	8/15/2007	ND<1.38629	104
	8/15/2007	9.60238	231
	2/6/2008	ND<0	104

8/4/2008	ND<0	104
2/18/2009	ND<0	104
8/19/2009	ND<0.693147	104
1/21/2010	ND<0.693147	104
9/7/2010	ND<0.693147	104
1/7/2011	ND<0.693147	104
8/1/2011	ND<0.693147	104
2/21/2012	ND<0.693147	104
8/22/2012	ND<0.693147	104
1/11/2013	ND<0.693147	104
8/29/2013	ND<0.693147	104
2/6/2014	ND<0.693147	104
8/6/2014	ND<0.693147	104
2/10/2015	ND<0.693147	104
8/18/2015	ND<0.693147	104
2/17/2016	ND<0.693147	104
2/17/2016	ND<0.693147	104
8/3/2016	ND<0	104
1/12/2017	ND<0	104
7/19/2017	ND<0	104
1/23/2018	ND<1.38629 U	104
7/11/2018	ND<1.38629	104
2/13/2019	ND<0.0953102	104
8/16/2019	ND<0.0953102	104
3/17/2020	ND<0.0953102	104
8/25/2020	ND<0.0953102	104
3/16/2021	ND<0.0953102	104
7/26/2021	ND<0.0953102	104
3/2/2022	ND<0.0953102	104
9/21/2022	ND<0.0953102	104
3/9/2023	ND<0.0953102	104
7/24/2023	ND<0.0953102	104
1/23/2024	ND<0.0953102	104
8/26/2024	ND<0.0953102	104
2/3/2025	ND<0.0953102	104
7/21/2025	ND<0.0953102	104
1/6/2026	ND<0.0953102	104

Rank Sum = 6701
Rank Mean = 108.081

Background Rank Sum = 23101
Background Rank Mean = 119.694

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.0953102	104
	8/27/2024	ND<0.0953102	104
	2/7/2025	ND<0.0953102	104
	7/23/2025	ND<0.0953102	104
	1/7/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

M-24D	1/24/2024	ND<0.0953102	104
	8/29/2024	ND<0.0953102	104
	2/5/2025	ND<0.0953102	104

	7/24/2025	ND<0.0953102	104
	1/8/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

M-7	1/24/2024	ND<0.0953102	104
	8/28/2024	ND<0.0953102	104
	2/4/2025	ND<0.0953102	104
	7/21/2025	ND<0.0953102	104
	1/5/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

M-8	1/24/2024	ND<0.0953102	104
	8/27/2024	ND<0.0953102	104
	2/5/2025	ND<0.0953102	104
	7/24/2025	ND<0.0953102	104
	1/8/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

M-18	1/25/2024	ND<0.0953102	104
	8/28/2024	ND<0.0953102	104
	2/5/2025	ND<0.0953102	104
	7/22/2025	ND<0.0953102	104
	1/7/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

M-9S	1/25/2024	ND<0.0953102	104
	8/28/2024	ND<0.0953102	104
	2/5/2025	ND<0.0953102	104
	7/22/2025	ND<0.0953102	104
	1/8/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

M-21	1/22/2024	ND<0.0953102	104
	8/27/2024	ND<0.0953102	104
	2/4/2025	ND<0.0953102	104
	7/21/2025	ND<0.0953102	104
	1/7/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

M-19	1/22/2024	ND<0.0953102	104
	8/29/2024	ND<0.0953102	104
	2/3/2025	ND<0.0953102	104
	7/23/2025	ND<0.0953102	104
	1/6/2026	ND<0.0953102	104

Rank Sum = 520
Rank Mean = 104

Calculation Results:

Kruskal-Wallis H Statistic = 1.7962
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 6.01135

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
1.7962 < 15.5073 indicating no significant group difference at 5% significance level
6.01135 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Calcium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 206

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	7.78322	-2.65209	7.03356	-20.6418
2	8.11672	-2.36561	12.6297	-39.8428
3	8.24801	-2.19728	17.4578	-57.966
4	8.30152	-2.07485	21.7627	-75.1904
5	8.35232	-1.97737	25.6727	-91.706
6	8.41627	-1.91103	29.3248	-107.79
7	8.43381	-1.83843	32.7046	-123.295
8	8.45532	-1.77438	35.853	-138.298
9	8.49699	-1.71688	38.8007	-152.886
10	8.50512	-1.66456	41.5715	-167.043
11	8.55641	-1.61644	44.1843	-180.874
12	8.61068	-1.58047	46.6822	-194.483
13	8.64822	-1.5382	49.0483	-207.786
14	8.65696	-1.49852	51.2938	-220.758
15	8.82026	-1.46106	53.4285	-233.645
16	8.82468	-1.42554	55.4607	-246.225
17	8.92266	-1.39175	57.3976	-258.643
18	8.92266	-1.36581	59.2631	-270.83
19	8.93722	-1.33462	61.0443	-282.758
20	8.95931	-1.30469	62.7465	-294.447
21	8.96188	-1.27588	64.3743	-305.881
22	9.06068	-1.24809	65.9321	-317.19
23	9.06531	-1.22123	67.4235	-328.26
24	9.09381	-1.20036	68.8643	-339.176
25	9.10498	-1.17499	70.2449	-349.874
26	9.17988	-1.15035	71.5682	-360.435
27	9.20029	-1.12639	72.837	-370.798
28	9.22029	-1.10306	74.0537	-380.968
29	9.2399	-1.08032	75.2208	-390.95
30	9.25913	-1.06252	76.3498	-400.788
31	9.26861	-1.04073	77.4329	-410.434
32	9.2873	-1.01943	78.4721	-419.902
33	9.30565	-0.998575	79.4693	-429.195
34	9.3147	-0.97815	80.4261	-438.306
35	9.34137	-0.958125	81.3441	-447.256
36	9.37585	-0.942375	82.2321	-456.092
37	9.37585	-0.923014	83.0841	-464.746
38	9.37585	-0.903992	83.9013	-473.221
39	9.38429	-0.885291	84.685	-481.529
40	9.42545	-0.866894	85.4365	-489.7
41	9.44145	-0.848786	86.157	-497.714
42	9.44145	-0.834498	86.8534	-505.593
43	9.44145	-0.816874	87.5206	-513.305
44	9.46498	-0.7995	88.1598	-520.872
45	9.48037	-0.782366	88.7719	-528.289
46	9.48797	-0.765456	89.3579	-535.552
47	9.49552	-0.748762	89.9185	-542.662

48	9.50301	-0.735557	90.4595	-549.652
49	9.51044	-0.719228	90.9768	-556.492
50	9.52515	-0.703089	91.4712	-563.189
51	9.52515	-0.687131	91.9433	-569.734
52	9.53964	-0.671346	92.394	-576.139
53	9.53964	-0.655726	92.824	-582.394
54	9.53964	-0.643345	93.2379	-588.531
55	9.54681	-0.628006	93.6323	-594.527
56	9.55393	-0.612813	94.0078	-600.382
57	9.55393	-0.597761	94.3651	-606.092
58	9.561	-0.582841	94.7048	-611.665
59	9.561	-0.568052	95.0275	-617.096
60	9.56801	-0.556308	95.337	-622.419
61	9.56801	-0.541736	95.6305	-627.602
62	9.56801	-0.52728	95.9085	-632.647
63	9.57498	-0.51293	96.1716	-637.559
64	9.57498	-0.498687	96.4203	-642.334
65	9.5819	-0.484544	96.6551	-646.976
66	9.5956	-0.473299	96.8791	-651.518
67	9.60238	-0.459327	97.0901	-655.929
68	9.60238	-0.445443	97.2885	-660.206
69	9.60238	-0.431644	97.4748	-664.351
70	9.60912	-0.417928	97.6495	-668.367
71	9.60912	-0.40701	97.8151	-672.278
72	9.61581	-0.393433	97.9699	-676.061
73	9.62905	-0.379927	98.1143	-679.719
74	9.62905	-0.36649	98.2486	-683.248
75	9.63561	-0.353118	98.3733	-686.651
76	9.63561	-0.33981	98.4887	-689.925
77	9.64212	-0.329206	98.5971	-693.099
78	9.66142	-0.316004	98.697	-696.152
79	9.66777	-0.302855	98.7887	-699.08
80	9.68034	-0.28976	98.8727	-701.885
81	9.68034	-0.276714	98.9492	-704.564
82	9.69277	-0.263715	99.0188	-707.12
83	9.69892	-0.253347	99.083	-709.577
84	9.72316	-0.240426	99.1408	-711.915
85	9.72913	-0.227545	99.1925	-714.129
86	9.73507	-0.214702	99.2386	-716.219
87	9.75266	-0.201894	99.2794	-718.188
88	9.76423	-0.189118	99.3152	-720.034
89	9.80918	-0.17892	99.3472	-721.789
90	9.82553	-0.166199	99.3748	-723.422
91	9.89848	-0.153505	99.3984	-724.942
92	9.90349	-0.140835	99.4182	-726.337
93	9.95228	-0.128189	99.4346	-727.612
94	9.95703	-0.115562	99.448	-728.763
95	9.96646	-0.105474	99.4591	-729.814
96	9.97115	-0.0928787	99.4677	-730.74
97	9.97115	-0.0802981	99.4742	-731.541
98	9.97581	-0.0677301	99.4788	-732.217
99	9.98045	-0.0551734	99.4818	-732.767
100	9.9988	-0.0426257	99.4836	-733.194
101	10.0123	-0.0325917	99.4847	-733.52
102	10.0168	-0.0200544	99.4851	-733.721
103	10.0345	-0.00751925	99.4852	-733.796
104	10.0476	0.00751925	99.4852	-733.721

105	10.0519	0.0200544	99.4856	-733.519
106	10.069	0.0325917	99.4867	-733.191
107	10.0816	0.0426257	99.4885	-732.761
108	10.0858	0.0551734	99.4915	-732.205
109	10.0941	0.0677301	99.4961	-731.521
110	10.0982	0.0802981	99.5026	-730.71
111	10.1186	0.0928787	99.5112	-729.77
112	10.1266	0.105474	99.5223	-728.702
113	10.1306	0.115562	99.5357	-727.532
114	10.1735	0.128189	99.5521	-726.227
115	10.1735	0.140835	99.5719	-724.795
116	10.1811	0.153505	99.5955	-723.232
117	10.2256	0.166199	99.6231	-721.532
118	10.2292	0.17892	99.6551	-719.702
119	10.2292	0.189118	99.6909	-717.768
120	10.2681	0.201894	99.7317	-715.694
121	10.2751	0.214702	99.7778	-713.488
122	10.2819	0.227545	99.8295	-711.149
123	10.3156	0.240426	99.8873	-708.669
124	10.3222	0.253347	99.9515	-706.054
125	10.332	0.263715	100.021	-703.329
126	10.3385	0.276714	100.098	-700.468
127	10.3546	0.28976	100.182	-697.468
128	10.4012	0.302855	100.273	-694.318
129	10.4312	0.316004	100.373	-691.021
130	10.4371	0.329206	100.482	-687.585
131	10.4574	0.33981	100.597	-684.032
132	10.4745	0.353118	100.722	-680.333
133	10.4885	0.36649	100.856	-676.489
134	10.4968	0.379927	101	-672.501
135	10.5105	0.393433	101.155	-668.366
136	10.5214	0.40701	101.321	-664.084
137	10.5374	0.417928	101.495	-659.68
138	10.5427	0.431644	101.682	-655.129
139	10.5558	0.445443	101.88	-650.427
140	10.5636	0.459327	102.091	-645.575
141	10.5764	0.473299	102.315	-640.569
142	10.5916	0.484544	102.55	-635.437
143	10.6016	0.498687	102.799	-630.15
144	10.6041	0.51293	103.062	-624.711
145	10.6115	0.52728	103.34	-619.116
146	10.6334	0.541736	103.633	-613.355
147	10.669	0.556308	103.943	-607.42
148	10.6919	0.568052	104.265	-601.346
149	10.6942	0.582841	104.605	-595.113
150	10.7364	0.597761	104.962	-588.696
151	10.7407	0.612813	105.338	-582.114
152	10.7727	0.628006	105.732	-575.348
153	10.7727	0.643345	106.146	-568.418
154	10.7934	0.655726	106.576	-561.34
155	10.8057	0.671346	107.027	-554.086
156	10.8532	0.687131	107.499	-546.628
157	10.8686	0.703089	107.993	-538.987
158	10.9133	0.719228	108.511	-531.138
159	10.9277	0.735557	109.052	-523.1
160	10.9313	0.748762	109.612	-514.915
161	10.9331	0.765456	110.198	-506.546

162	10.9455	0.782366	110.81	-497.982
163	10.9543	0.7995	111.45	-489.224
164	11.0054	0.816874	112.117	-480.234
165	11.0104	0.834498	112.813	-471.046
166	11.0429	0.848786	113.534	-461.673
167	11.0666	0.866894	114.285	-452.08
168	11.0852	0.885291	115.069	-442.266
169	11.0959	0.903992	115.886	-432.235
170	11.0989	0.923014	116.738	-421.991
171	11.1004	0.942375	117.626	-411.53
172	11.1169	0.958125	118.544	-400.879
173	11.1302	0.97815	119.501	-389.992
174	11.1534	0.998575	120.498	-378.854
175	11.1591	1.01943	121.537	-367.478
176	11.1732	1.04073	122.621	-355.85
177	11.183	1.06252	123.749	-343.968
178	11.1844	1.08032	124.917	-331.885
179	11.1858	1.10306	126.133	-319.546
180	11.1941	1.12639	127.402	-306.937
181	11.2319	1.15035	128.725	-294.017
182	11.2359	1.17499	130.106	-280.815
183	11.2437	1.20036	131.547	-267.318
184	11.2516	1.22123	133.038	-253.577
185	11.2529	1.24809	134.596	-239.533
186	11.258	1.27588	136.224	-225.169
187	11.286	1.30469	137.926	-210.444
188	11.2885	1.33462	139.707	-195.378
189	11.2935	1.36581	141.573	-179.954
190	11.2973	1.39175	143.51	-164.231
191	11.2973	1.42554	145.542	-148.126
192	11.3145	1.46106	147.676	-131.595
193	11.3169	1.49852	149.922	-114.636
194	11.3181	1.5382	152.288	-97.2268
195	11.3181	1.58047	154.786	-79.3389
196	11.3445	1.61644	157.399	-61.0012
197	11.3445	1.66456	160.17	-42.1176
198	11.4479	1.71688	163.117	-22.463
199	11.45	1.77438	166.266	-2.14635
200	11.45	1.83843	169.646	18.9036
201	11.4627	1.91103	173.298	40.8091
202	11.4835	1.97737	177.208	63.5162
203	11.5425	2.07485	181.513	87.4651
204	11.5806	2.19728	186.341	112.911
205	11.6351	2.36561	191.937	140.435
206	11.6699	2.65209	198.97	171.385

Data Set Standard Deviation = 0.858731
Numerator = 29372.8
Denominator = 30078.5
W Statistic = 0.976537 = 29372.8 / 30078.5

5% Critical value of 0.976 is less than 0.976537
Data is normally distributed at 95% level of significance

1% Critical value of 0.967 is less than 0.976537
Data is normally distributed at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Calcium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	10.069	106
	5/15/1996	9.9988	100
	5/16/1996	9.97115	96
	5/17/1996	9.95703	94
	11/5/1996	10.0858	108
	4/15/1997	9.95228	93
	10/31/1997	10.3156	123
	6/24/1998	10.2681	120
	12/10/1998	10.2819	122
	5/25/1999	10.3546	127
	11/19/1999	10.1735	114
	5/23/2000	10.2256	117
	12/14/2000	10.332	125
	6/6/2001	10.4574	131
	11/15/2001	10.5427	138
	6/12/2002	10.6016	143
	11/5/2002	10.5916	142
	6/17/2003	10.5374	137
	12/5/2003	10.3385	126
	6/22/2004	10.4745	132
	10/20/2004	10.6041	144
	8/4/2008	11.1732	176
	2/19/2009	11.3181	194
	8/20/2009	11.286	187
	1/21/2010	11.2359	182
	9/7/2010	10.9455	162
	1/7/2011	11.2973	190
	8/1/2011	11.2437	183
	2/24/2012	11.3169	193
	8/22/2012	10.7407	151
	1/10/2013	11.3145	192
	8/28/2013	11.2516	184
	2/4/2014	11.1591	175
	8/7/2014	11.2973	191
	2/11/2015	11.1941	180
	8/20/2015	11.1302	173
	2/17/2016	11.3445	196
	2/17/2016	11.3445	197
	8/3/2016	11.258	186
	1/12/2017	11.3181	195
	7/20/2017	11.2885	188
	1/23/2018	11.183	177
	7/12/2018	11.2529	185
	2/13/2019	11.1534	174
	8/16/2019	11.1169	172
	3/17/2020	11.2319	181

	8/25/2020	11.1004	171
	3/16/2021	10.6942	149
	7/26/2021	10.7934	154
	3/2/2022	11.1844	178
	9/21/2022	11.0429	166
	3/9/2023	11.1858	179
	7/19/2023	11.0959	169
	1/23/2024	10.8532	156
	8/26/2024	10.9133	158
	2/3/2025	10.9331	161
	7/22/2025	11.0852	168
	1/6/2026	10.9313	160
Rank Sum = 9071			
Rank Mean = 156.397			
M-17S	5/15/1996	8.92266	17
	11/5/1996	8.92266	18
	4/15/1997	7.78322	1
	10/30/1997	8.61068	12
	6/23/1998	8.35232	5
	12/9/1998	8.24801	3
	5/25/1999	8.30152	4
	11/16/1999	8.45532	8
	5/19/2000	8.82026	15
	12/12/2000	8.65696	14
	6/5/2001	8.41627	6
	11/15/2001	8.50512	10
	6/13/2002	9.26861	31
	11/7/2002	9.25913	30
	6/17/2003	8.82468	16
	12/4/2003	8.95931	20
	6/22/2004	8.93722	19
	10/19/2004	9.06068	22
	8/6/2008	10.3222	124
	2/18/2009	10.4312	129
	8/19/2009	10.8057	155
	1/22/2010	11.0054	164
	9/8/2010	9.73507	86
	1/7/2011	10.669	147
	8/1/2011	10.7727	152
	2/21/2012	10.5214	136
	8/22/2012	10.0519	105
	1/11/2013	10.9543	163
	8/28/2013	10.1186	111
	2/6/2014	10.6115	145
	8/6/2014	10.1811	116
	2/12/2015	10.4885	133
	8/20/2015	11.0104	165
	2/17/2016	11.45	199
	2/17/2016	11.45	200
	8/4/2016	11.0989	170
	1/12/2017	10.9277	159
	7/19/2017	11.4835	202
	1/23/2018	11.4479	198
	7/11/2018	10.2751	121
	2/13/2019	10.2292	118
	8/13/2019	10.7727	153
	3/17/2020	10.4968	134

	8/27/2020	10.0123	101
	3/15/2021	10.4012	128
	7/27/2021	11.6699	206
	3/3/2022	10.1306	113
	9/21/2022	11.0666	167
	3/9/2023	11.4627	201
	7/24/2023	10.8686	157
	1/23/2024	11.5806	204
	8/26/2024	10.0168	102
	2/3/2025	11.2935	189
	7/21/2025	11.5425	203
	1/6/2026	11.6351	205
Rank Sum = 5912			
Rank Mean = 107.491			
M-23	12/8/1998	9.60238	67
	12/9/1998	9.56801	60
	12/10/1998	9.53964	52
	12/11/1998	9.57498	63
	5/27/1999	9.46498	44
	5/23/2000	9.52515	50
	11/17/2000	9.48797	46
	12/13/2000	8.11672	2
	6/8/2001	9.72913	85
	11/14/2001	9.63561	75
	6/14/2002	9.49552	47
	11/5/2002	9.61581	72
	6/17/2003	9.3147	34
	12/5/2003	9.34137	35
	6/25/2004	9.62905	73
	10/19/2004	9.76423	88
	8/4/2008	10.0816	107
	2/18/2009	9.06531	23
	8/19/2009	9.66777	79
	1/21/2010	9.22029	28
	9/7/2010	9.5819	65
	1/7/2011	9.68034	80
	8/1/2011	9.64212	77
	2/21/2012	9.66142	78
	8/22/2012	9.60912	70
	1/11/2013	9.44145	41
	8/29/2013	9.60912	71
	2/6/2014	9.5956	66
	8/6/2014	9.56801	61
	2/10/2015	9.75266	87
	8/18/2015	9.72316	84
	2/17/2016	9.44145	42
	2/17/2016	9.44145	43
	8/3/2016	9.52515	51
	1/12/2017	9.68034	81
	7/19/2017	9.69277	82
	1/23/2018	9.53964	53
	7/11/2018	9.51044	49
	2/13/2019	9.10498	25
	8/16/2019	9.30565	33
	3/17/2020	9.55393	56
	8/25/2020	9.37585	36
	3/16/2021	9.53964	54

	7/26/2021	9.50301	48
	3/2/2022	9.561	58
	9/21/2022	9.48037	45
	3/9/2023	9.37585	37
	7/24/2023	9.60238	68
	1/23/2024	9.42545	40
	8/26/2024	9.37585	38
	2/3/2025	9.55393	57
	7/21/2025	9.56801	62
	1/6/2026	9.54681	55

Rank Sum = 3023
Rank Mean = 57.0377

Background Rank Sum = 18006
Background Rank Mean = 108.47

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	10.2292	119
	8/27/2024	10.0476	104
	2/7/2025	10.1266	112
	7/23/2025	9.97115	97
	1/7/2026	9.80918	89

Rank Sum = 521
Rank Mean = 104.2

M-24D	1/24/2024	9.561	59
	8/29/2024	9.60238	69
	2/5/2025	9.63561	76
	7/24/2025	9.62905	74
	1/8/2026	9.57498	64

Rank Sum = 342
Rank Mean = 68.4

M-7	1/24/2024	8.64822	13
	8/28/2024	9.20029	27
	2/4/2025	9.09381	24
	7/21/2025	9.2399	29
	1/5/2026	9.17988	26

Rank Sum = 119
Rank Mean = 23.8

M-8	1/24/2024	9.2873	32
	8/27/2024	8.49699	9
	2/5/2025	8.55641	11
	7/24/2025	8.43381	7
	1/8/2026	8.96188	21

Rank Sum = 80
Rank Mean = 16

M-18	1/25/2024	9.82553	90
	8/28/2024	9.38429	39
	2/5/2025	10.5105	135
	7/22/2025	10.6919	148
	1/7/2026	10.7364	150

Rank Sum = 562

Rank Mean = 112.4

M-9S	1/25/2024	9.90349	92
	8/28/2024	9.96646	95
	2/5/2025	10.1735	115
	7/22/2025	10.0941	109
	1/8/2026	10.0982	110

Rank Sum = 521
Rank Mean = 104.2

M-21	1/22/2024	10.5764	141
	8/27/2024	10.5636	140
	2/4/2025	10.5558	139
	7/21/2025	10.6334	146
	1/7/2026	10.4371	130

Rank Sum = 696
Rank Mean = 139.2

M-19	1/22/2024	10.0345	103
	8/29/2024	9.69892	83
	2/3/2025	9.97581	98
	7/23/2025	9.98045	99
	1/6/2026	9.89848	91

Rank Sum = 474
Rank Mean = 94.8

Calculation Results:

Kruskal-Wallis H Statistic = 24.6106
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 24.6106
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
24.6106 > 15.5073 indicating a significant group difference at 5% significance level
24.6106 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 108.47

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	104.2	-4.26988	62.9449
M-24D	68.4	-40.0699	62.9449
M-7	23.8	-84.6699	62.9449
M-8	16	-92.4699	62.9449
M-18	112.4	3.93012	62.9449
M-9S	104.2	-4.26988	62.9449
M-21	139.2	30.7301	62.9449
M-19	94.8	-13.6699	62.9449

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213
Mean background rank is 108.47

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	104.2	-4.26988	67.972
M-24D	68.4	-40.0699	67.972
M-7	23.8	-84.6699	67.972
M-8	16	-92.4699	67.972

M-18	112.4	3.93012	67.972
M-9S	104.2	-4.26988	67.972
M-21	139.2	30.7301	67.972
M-19	94.8	-13.6699	67.972

Shapiro-Francia Test of Normality

Parameter: Chromium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-4.82831	-2.65209	7.03356	12.8051
2	-4.82831	-2.40892	12.8365	24.4361
3	-4.82831	-2.25713	17.9311	35.3343
4	-0.301105	-2.12007	22.4258	35.9726
5	-0.287682	-2.03352	26.561	36.5576
6	-0.274437	-1.95996	30.4025	37.0955
7	-0.261365	-1.8957	33.9961	37.591
8	-0.235722	-1.82501	37.3268	38.0212
9	-0.235722	-1.77438	40.4752	38.4395
10	-0.223144	-1.72793	43.4609	38.825
11	-0.223144	-1.67466	46.2654	39.1987
12	-0.198451	-1.63524	48.9394	39.5232
13	-0.174353	-1.59819	51.4936	39.8019
14	-0.162519	-1.56322	53.9373	40.0559
15	-0.150823	-1.52203	56.2539	40.2855
16	-0.150823	-1.49085	58.4765	40.5104
17	-0.139262	-1.46106	60.6112	40.7138
18	-0.0943107	-1.4325	62.6633	40.8489
19	-0.0833816	-1.39838	64.6187	40.9655
20	-0.0618754	-1.3722	66.5017	41.0504
21	-0.0512933	-1.34694	68.3159	41.1195
22	0	-1.31652	70.0492	41.1195
23	0	-1.29303	71.7211	41.1195
24	0	-1.27024	73.3346	41.1195
25	0	-1.24809	74.8923	41.1195
26	0	-1.22123	76.3837	41.1195
27	0	-1.20036	77.8246	41.1195
28	0	-1.18	79.217	41.1195
29	0	-1.16012	80.5629	41.1195
30	0	-1.1359	81.8531	41.1195
31	0	-1.11699	83.1008	41.1195
32	0	-1.09847	84.3074	41.1195
33	0	-1.07584	85.4648	41.1195
34	0	-1.05812	86.5845	41.1195
35	0	-1.04073	87.6676	41.1195
36	0	-1.02365	88.7154	41.1195
37	0	-1.00271	89.7209	41.1195
38	0	-0.986272	90.6936	41.1195
39	0	-0.970094	91.6347	41.1195
40	0	-0.954165	92.5451	41.1195
41	0	-0.93459	93.4186	41.1195
42	0	-0.919183	94.2635	41.1195
43	0	-0.903992	95.0807	41.1195
44	0	-0.885291	95.8644	41.1195
45	0	-0.87055	96.6223	41.1195
46	0	-0.855996	97.355	41.1195
47	0	-0.841621	98.0633	41.1195

48	0	-0.823893	98.7421	41.1195
49	0	-0.809896	99.3981	41.1195
50	0	-0.796056	100.032	41.1195
51	0	-0.782366	100.644	41.1195
52	0	-0.765456	101.23	41.1195
53	0	-0.752084	101.795	41.1195
54	0	-0.738846	102.341	41.1195
55	0	-0.722479	102.863	41.1195
56	0	-0.709522	103.367	41.1195
57	0	-0.696684	103.852	41.1195
58	0	-0.68396	104.32	41.1195
59	0	-0.668209	104.766	41.1195
60	0	-0.655726	105.196	41.1195
61	0	-0.643345	105.61	41.1195
62	0	-0.631062	106.008	41.1195
63	0	-0.615839	106.388	41.1195
64	0	-0.603765	106.752	41.1195
65	0	-0.591776	107.102	41.1195
66	0	-0.576911	107.435	41.1195
67	0.0953102	-0.565108	107.755	41.0657
68	0.0953102	-0.553384	108.061	41.0129
69	0.0953102	-0.541736	108.354	40.9613
70	0.182322	-0.52728	108.632	40.8651
71	0.182322	-0.515791	108.898	40.7711
72	0.182322	-0.504372	109.153	40.6791
73	0.182322	-0.493018	109.396	40.5893
74	0.262364	-0.478914	109.625	40.4636
75	0.262364	-0.467699	109.844	40.3409
76	0.405465	-0.456542	110.052	40.1558
77	0.470004	-0.442676	110.248	39.9477
78	0.470004	-0.431644	110.435	39.7449
79	0.530628	-0.420664	110.612	39.5216
80	0.587787	-0.409735	110.78	39.2808
81	0.693147	-0.396142	110.936	39.0062
82	0.693147	-0.385321	111.085	38.7391
83	0.693147	-0.374544	111.225	38.4795
84	0.693147	-0.363809	111.358	38.2273
85	0.693147	-0.350451	111.48	37.9844
86	0.693147	-0.33981	111.596	37.7489
87	0.693147	-0.329206	111.704	37.5207
88	0.693147	-0.316004	111.804	37.3017
89	0.741937	-0.305481	111.897	37.075
90	0.741937	-0.294992	111.984	36.8562
91	0.788457	-0.284535	112.065	36.6318
92	0.788457	-0.271509	112.139	36.4177
93	0.788457	-0.26112	112.207	36.2119
94	0.788457	-0.250759	112.27	36.0141
95	0.788457	-0.240426	112.328	35.8246
96	0.788457	-0.227545	112.38	35.6452
97	0.788457	-0.217267	112.427	35.4739
98	0.788457	-0.207012	112.47	35.3106
99	0.788457	-0.194225	112.508	35.1575
100	0.788457	-0.184017	112.541	35.0124
101	0.788457	-0.173829	112.572	34.8754
102	0.788457	-0.163659	112.598	34.7463
103	0.788457	-0.150969	112.621	34.6273
104	0.788457	-0.140835	112.641	34.5162

105	0.788457	-0.130716	112.658	34.4132
106	0.788457	-0.12061	112.673	34.3181
107	0.788457	-0.107995	112.684	34.2329
108	0.788457	-0.0979139	112.694	34.1557
109	0.788457	-0.0878447	112.702	34.0865
110	0.788457	-0.0752698	112.707	34.0271
111	0.788457	-0.0652187	112.712	33.9757
112	0.788457	-0.0551734	112.715	33.9322
113	0.788457	-0.0451348	112.717	33.8966
114	0.788457	-0.0325917	112.718	33.8709
115	0.788457	-0.0225612	112.718	33.8531
116	0.788457	-0.0125328	112.718	33.8432
117	0.788457	0	112.718	33.8432
118	0.788457	0.0125328	112.719	33.8531
119	0.788457	0.0225612	112.719	33.8709
120	0.788457	0.0325917	112.72	33.8966
121	0.788457	0.0451348	112.722	33.9322
122	0.788457	0.0551734	112.725	33.9757
123	0.788457	0.0652187	112.729	34.0271
124	0.788457	0.0752698	112.735	34.0865
125	0.788457	0.0878447	112.743	34.1557
126	0.788457	0.0979139	112.752	34.2329
127	0.788457	0.107995	112.764	34.3181
128	0.788457	0.12061	112.779	34.4132
129	0.788457	0.130716	112.796	34.5162
130	0.788457	0.140835	112.816	34.6273
131	0.875469	0.150969	112.838	34.7595
132	1.06471	0.163659	112.865	34.9337
133	1.09861	0.173829	112.895	35.1247
134	1.09861	0.184017	112.929	35.3268
135	1.38629	0.194225	112.967	35.5961
136	1.38629	0.207012	113.01	35.8831
137	1.38629	0.217267	113.057	36.1843
138	1.38629	0.227545	113.109	36.4997
139	1.38629	0.240426	113.167	36.833
140	1.38629	0.250759	113.229	37.1806
141	1.38629	0.26112	113.298	37.5426
142	1.38629	0.271509	113.371	37.919
143	1.38629	0.284535	113.452	38.3135
144	1.43508	0.294992	113.539	38.7368
145	1.60944	0.305481	113.633	39.2285
146	1.60944	0.316004	113.732	39.7371
147	1.60944	0.329206	113.841	40.2669
148	1.60944	0.33981	113.956	40.8138
149	1.60944	0.350451	114.079	41.3778
150	1.60944	0.363809	114.211	41.9633
151	1.60944	0.374544	114.352	42.5662
152	1.60944	0.385321	114.5	43.1863
153	1.60944	0.396142	114.657	43.8239
154	1.60944	0.409735	114.825	44.4833
155	1.60944	0.420664	115.002	45.1603
156	1.60944	0.431644	115.188	45.855
157	1.60944	0.442676	115.384	46.5675
158	1.60944	0.456542	115.593	47.3023
159	1.60944	0.467699	115.811	48.055
160	1.60944	0.478914	116.041	48.8258
161	1.60944	0.493018	116.284	49.6193

162	1.60944	0.504372	116.538	50.431
163	1.60944	0.515791	116.804	51.2612
164	1.60944	0.52728	117.082	52.1098
165	1.60944	0.541736	117.376	52.9817
166	1.60944	0.553384	117.682	53.8723
167	1.60944	0.565108	118.001	54.7818
168	1.60944	0.576911	118.334	55.7103
169	1.60944	0.591776	118.684	56.6628
170	1.60944	0.603765	119.049	57.6345
171	1.60944	0.615839	119.428	58.6256
172	1.60944	0.631062	119.826	59.6413
173	1.60944	0.643345	120.24	60.6767
174	1.60944	0.655726	120.67	61.7321
175	1.60944	0.668209	121.117	62.8075
176	1.60944	0.68396	121.585	63.9083
177	1.60944	0.696684	122.07	65.0296
178	1.60944	0.709522	122.573	66.1715
179	1.60944	0.722479	123.095	67.3343
180	1.60944	0.738846	123.641	68.5234
181	1.60944	0.752084	124.207	69.7338
182	1.60944	0.765456	124.793	70.9658
183	1.60944	0.782366	125.405	72.225
184	1.60944	0.796056	126.039	73.5062
185	1.60944	0.809896	126.695	74.8096
186	1.60944	0.823893	127.373	76.1356
187	1.60944	0.841621	128.082	77.4902
188	1.60944	0.855996	128.814	78.8679
189	1.66771	0.87055	129.572	80.3197
190	1.77495	0.885291	130.356	81.891
191	1.77495	0.903992	131.173	83.4956
192	1.79176	0.919183	132.018	85.1425
193	1.79176	0.93459	132.892	86.8171
194	1.8718	0.954165	133.802	88.6031
195	2.07944	0.970094	134.743	90.6203
196	2.07944	0.986272	135.716	92.6712
197	2.07944	1.00271	136.721	94.7563
198	2.07944	1.02365	137.769	96.8849
199	2.07944	1.04073	138.852	99.0491
200	2.07944	1.05812	139.972	101.249
201	2.07944	1.07584	141.129	103.487
202	2.07944	1.09847	142.336	105.771
203	2.07944	1.11699	143.584	108.093
204	2.07944	1.1359	144.874	110.455
205	2.07944	1.16012	146.22	112.868
206	2.07944	1.18	147.612	115.322
207	2.07944	1.20036	149.053	117.818
208	2.07944	1.22123	150.544	120.357
209	2.07944	1.24809	152.102	122.952
210	2.07944	1.27024	153.716	125.594
211	2.07944	1.29303	155.388	128.283
212	2.07944	1.31652	157.121	131.02
213	2.12823	1.34694	158.935	133.887
214	2.30259	1.3722	160.818	137.047
215	2.30259	1.39838	162.773	140.266
216	2.30259	1.4325	164.825	143.565
217	2.30259	1.46106	166.96	146.929
218	2.48491	1.49085	169.183	150.634

219	2.5177	1.52203	171.499	154.466
220	2.56495	1.56322	173.943	158.475
221	2.63906	1.59819	176.497	162.693
222	2.63906	1.63524	179.171	167.008
223	2.70805	1.67466	181.976	171.544
224	3.09104	1.72793	184.962	176.885
225	3.09104	1.77438	188.11	182.369
226	3.84374	1.82501	191.441	189.384
227	4.00733	1.8957	195.034	196.981
228	4.07754	1.95996	198.876	204.973
229	4.20469	2.03352	203.011	213.523
230	4.27667	2.12007	207.506	222.59
231	4.29046	2.25713	212.6	232.274
232	4.52179	2.40892	218.403	243.167
233	4.70048	2.65209	225.437	255.633

Data Set Standard Deviation = 1.21324
Numerator = 65348.1
Denominator = 76985
W Statistic = 0.848842 = 65348.1 / 76985

5% Critical value of 0.976 exceeds 0.848842
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.848842
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Chromium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<0	99
	5/15/1996	ND<0	99
	5/16/1996	ND<0	99
	5/17/1996	ND<0	99
	11/5/1996	ND<0	99
	4/15/1997	ND<0	99
	10/31/1997	ND<0	99
	6/24/1998	ND<0	99
	12/10/1998	ND<0	99
	5/25/1999	ND<0	99
	11/19/1999	ND<0	99
	5/23/2000	ND<0	99
	12/14/2000	ND<0	99
	6/6/2001	ND<0	99
	11/15/2001	ND<0	99
	6/12/2002	ND<0	99
	11/5/2002	ND<0	99
	6/17/2003	ND<0	99
	12/5/2003	ND<0	99
	6/22/2004	ND<0	99
	10/20/2004	ND<2.07944	99
	6/15/2005	ND<2.07944	99
	6/15/2005	ND<2.07944	99
	6/15/2005	ND<2.07944	99
	11/1/2005	ND<2.07944	99
	3/17/2006	2.07944	210
	9/11/2006	ND<1.60944	99
	2/21/2007	2.30259	215
	8/14/2007	2.07944	211
	2/7/2008	1.09861	201
	8/4/2008	ND<0.693147	99
	2/19/2009	ND<0.693147	99
	8/20/2009	ND<1.60944	99
	1/21/2010	ND<1.60944	99
	9/7/2010	ND<1.60944	99
	1/7/2011	ND<1.60944	99
	8/1/2011	ND<1.60944	99
	2/24/2012	ND<1.60944	99
	8/22/2012	ND<1.60944	99
	1/10/2013	ND<1.60944	99
	8/28/2013	ND<1.60944	99
	2/4/2014	ND<1.60944	99
	8/7/2014	ND<1.60944	99
	2/11/2015	ND<1.60944	99
	8/20/2015	ND<1.60944	99
	2/17/2016	ND<1.60944	99

	2/17/2016	ND<1.60944	99
	8/3/2016	ND<1.38629	99
	1/12/2017	ND<1.38629	99
	7/20/2017	ND<1.38629	99
	1/23/2018	ND<2.30259 U	99
	7/12/2018	ND<0.788457 J	99
	2/13/2019	ND<1.38629	99
	8/16/2019	ND<0.0953102 J	99
	3/17/2020	ND<0.788457	99
	8/25/2020	ND<-0.0512933 J	99
	3/16/2021	1.43508	203
	7/26/2021	ND<-0.301105 J	99
	3/2/2022	ND<0.788457	99
	9/21/2022	ND<-0.0618754 J	99
	3/9/2023	ND<0.530628 J	99
	7/19/2023	ND<0.470004 J	99
	1/23/2024	0.875469	199
	8/26/2024	ND<0.0953102 J	99
	2/3/2025	ND<-0.139262 J	99
	7/22/2025	ND<0 J	99
	1/6/2026	ND<0.182322 J	99
Rank Sum = 7278			
Rank Mean = 108.627			
M-17S	5/15/1996	1.09861	202
	11/5/1996	1.8718	209
	4/15/1997	ND<0	99
	10/30/1997	ND<0	99
	6/23/1998	ND<0	99
	12/9/1998	ND<0	99
	5/25/1999	ND<0	99
	11/16/1999	ND<0	99
	5/19/2000	ND<0	99
	12/12/2000	ND<0	99
	6/5/2001	ND<0	99
	11/15/2001	ND<0	99
	6/13/2002	ND<0	99
	11/7/2002	ND<0	99
	6/17/2003	ND<0	99
	12/4/2003	ND<0	99
	6/22/2004	ND<0	99
	10/19/2004	ND<2.07944	99
	6/15/2005	ND<2.07944	99
	6/15/2005	ND<2.07944	99
	6/15/2005	ND<2.07944	99
	11/1/2005	ND<2.07944	99
	3/16/2006	ND<2.07944	99
	9/12/2006	ND<1.60944	99
	2/20/2007	ND<1.60944	99
	8/13/2007	ND<1.60944	99
	2/6/2008	ND<0.693147	99
	8/6/2008	ND<0.693147	99
	2/18/2009	ND<0.693147	99
	8/19/2009	ND<1.60944	99
	1/22/2010	ND<1.60944	99
	9/8/2010	ND<1.60944	99
	1/7/2011	ND<1.60944	99
	8/1/2011	ND<1.60944	99

	2/21/2012	ND<1.60944	99
	8/22/2012	ND<1.60944	99
	1/11/2013	ND<1.60944	99
	8/28/2013	ND<1.60944	99
	2/6/2014	ND<1.60944	99
	8/6/2014	ND<1.60944	99
	2/12/2015	ND<1.60944	99
	8/20/2015	ND<1.60944	99
	2/17/2016	ND<1.60944	99
	2/17/2016	ND<1.60944	99
	8/4/2016	ND<1.38629	99
	1/12/2017	ND<1.38629	99
	7/19/2017	ND<1.38629	99
	1/23/2018	ND<0.262364 J	99
	7/11/2018	4.20469	229
	2/13/2019	ND<-0.223144 J	99
	8/13/2019	ND<0.262364 J	99
	3/17/2020	ND<0.788457	99
	8/27/2020	ND<0.788457	99
	3/15/2021	ND<0.788457	99
	7/27/2021	2.63906	221
	3/3/2022	ND<0.788457	99
	9/21/2022	ND<0.788457	99
	3/9/2023	ND<0.741937 J	99
	7/24/2023	ND<0.182322 J	99
	1/23/2024	1.66771	204
	8/26/2024	ND<0.0953102 J	99
	2/3/2025	ND<-0.223144 J	99
	7/21/2025	ND<0.788457	99
	1/6/2026	ND<0.470004 J	99
Rank Sum = 6906			
Rank Mean = 107.906			
M-23	12/8/1998	2.48491	218
	12/9/1998	2.30259	216
	12/10/1998	2.70805	223
	12/11/1998	4.07754	228
	5/27/1999	ND<0	99
	5/23/2000	2.07944	212
	11/17/2000	ND<0	99
	12/13/2000	ND<0	99
	6/8/2001	ND<0	99
	11/14/2001	2.30259	217
	6/14/2002	ND<0	99
	11/5/2002	ND<0	99
	6/17/2003	ND<0	99
	12/5/2003	ND<0	99
	6/25/2004	ND<0	99
	10/19/2004	ND<2.07944	99
	6/15/2005	ND<-4.82831	99
	6/15/2005	ND<-4.82831	99
	6/15/2005	ND<-4.82831	99
	11/2/2005	ND<2.07944	99
	3/16/2006	ND<2.07944	99
	9/12/2006	ND<1.60944	99
	2/22/2007	ND<1.60944	99
	8/15/2007	1.79176	207
	2/6/2008	0.693147	198

	8/4/2008	ND<0.693147	99
	2/18/2009	ND<0.693147	99
	8/19/2009	ND<1.60944	99
	1/21/2010	1.79176	208
	9/7/2010	3.09104	224
	1/7/2011	ND<1.60944	99
	8/1/2011	ND<1.60944	99
	2/21/2012	ND<1.60944	99
	8/22/2012	ND<1.60944	99
	1/11/2013	ND<1.60944	99
	8/29/2013	ND<1.60944	99
	2/6/2014	ND<1.60944	99
	8/6/2014	2.5177	219
	2/10/2015	2.12823	214
	8/18/2015	2.56495	220
	2/17/2016	1.77495	205
	2/17/2016	1.77495	206
	8/3/2016	ND<1.38629	99
	1/12/2017	ND<1.38629	99
	7/19/2017	3.84374	226
	1/23/2018	3.09104	225
	7/11/2018	4.00733	227
	2/13/2019	ND<-0.198451 J	99
	8/16/2019	ND<0.182322 J	99
	3/17/2020	ND<0.788457	99
	8/25/2020	ND<0.741937 J	99
	3/16/2021	ND<0.788457	99
	7/26/2021	ND<0.788457	99
	3/2/2022	ND<0.788457	99
	9/21/2022	ND<0.788457	99
	3/9/2023	ND<0.182322 J	99
	7/24/2023	ND<0.405465 J	99
	1/23/2024	ND<-0.235722 J	99
	8/26/2024	ND<0.788457	99
	2/3/2025	2.07944	213
	7/21/2025	ND<0.788457	99
	1/6/2026	ND<0.587787 J	99

Rank Sum = 8363
Rank Mean = 134.887

Background Rank Sum = 22547
Background Rank Mean = 116.824

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.788457	99
	8/27/2024	ND<-0.150823 J	99
	2/7/2025	ND<-0.0943107	99
	7/23/2025	ND<0.788457	99
	1/7/2026	ND<-0.261365 J	99

Rank Sum = 495
Rank Mean = 99

M-24D	1/24/2024	ND<0.788457	99
	8/29/2024	ND<0.788457	99
	2/5/2025	ND<0.788457	99

	7/24/2025	ND<0.788457	99
	1/8/2026	ND<0.788457	99

Rank Sum = 495
Rank Mean = 99

M-7	1/24/2024	ND<0.788457	99
	8/28/2024	ND<0.788457	99
	2/4/2025	ND<0.788457	99
	7/21/2025	ND<-0.162519 J	99
	1/5/2026	ND<-0.287682 J	99

Rank Sum = 495
Rank Mean = 99

M-8	1/24/2024	ND<0.788457	99
	8/27/2024	ND<0.788457	99
	2/5/2025	ND<0.788457	99
	7/24/2025	ND<0.788457	99
	1/8/2026	ND<0.788457	99

Rank Sum = 495
Rank Mean = 99

M-18	1/25/2024	ND<0.788457	99
	8/28/2024	ND<0.788457	99
	2/5/2025	1.06471	200
	7/22/2025	ND<-0.174353 J	99
	1/7/2026	ND<0.788457	99

Rank Sum = 596
Rank Mean = 119.2

M-9S	1/25/2024	ND<0.788457	99
	8/28/2024	ND<0.788457	99
	2/5/2025	ND<0.788457	99
	7/22/2025	ND<-0.150823 J	99
	1/8/2026	ND<0.788457	99

Rank Sum = 495
Rank Mean = 99

M-21	1/22/2024	ND<-0.274437 J	99
	8/27/2024	ND<0.788457	99
	2/4/2025	ND<0.788457	99
	7/21/2025	ND<-0.235722 J	99
	1/7/2026	ND<-0.0833816	99

Rank Sum = 495
Rank Mean = 99

M-19	1/22/2024	4.52179	232
	8/29/2024	2.63906	222
	2/3/2025	4.70048	233
	7/23/2025	4.29046	231
	1/6/2026	4.27667	230

Rank Sum = 1148
Rank Mean = 229.6

Calculation Results:

Kruskal-Wallis H Statistic = 16.0986
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 40.6946

95% Confidence comparison value is 15.5073 at 8 degrees of freedom

16.0986 > 15.5073 indicating a significant group difference at 5% significance level

40.6946 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 116.824

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	99	-17.8238	71.0293
M-24D	99	-17.8238	71.0293
M-7	99	-17.8238	71.0293
M-8	99	-17.8238	71.0293
M-18	119.2	2.37617	71.0293
M-9S	99	-17.8238	71.0293
M-21	99	-17.8238	71.0293
M-19	**229.6**	**112.776**	**71.0293**

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 116.824

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	99	-17.8238	76.702
M-24D	99	-17.8238	76.702
M-7	99	-17.8238	76.702
M-8	99	-17.8238	76.702
M-18	119.2	2.37617	76.702
M-9S	99	-17.8238	76.702
M-21	99	-17.8238	76.702
M-19	**229.6**	**112.776**	**76.702**

Shapiro-Francia Test of Normality

Parameter: Cobalt, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-5.116	-2.65209	7.03356	13.5681
2	-5.116	-2.40892	12.8365	25.8921
3	-5.116	-2.25713	17.9311	37.4396
4	0	-2.12007	22.4258	37.4396
5	0	-2.03352	26.561	37.4396
6	0	-1.95996	30.4025	37.4396
7	0	-1.8957	33.9961	37.4396
8	0	-1.82501	37.3268	37.4396
9	0	-1.77438	40.4752	37.4396
10	0.405465	-1.72793	43.4609	36.739
11	0.693147	-1.67466	46.2654	35.5782
12	0.693147	-1.63524	48.9394	34.4447
13	0.693147	-1.59819	51.4936	33.3369
14	0.693147	-1.56322	53.9373	32.2534
15	0.693147	-1.52203	56.2539	31.1984
16	0.693147	-1.49085	58.4765	30.165
17	0.693147	-1.46106	60.6112	29.1523
18	0.693147	-1.4325	62.6633	28.1593
19	0.788457	-1.39838	64.6187	27.0568
20	0.832909	-1.3722	66.5017	25.9139
21	0.875469	-1.34694	68.3159	24.7347
22	1.25276	-1.31652	70.0492	23.0854
23	1.38629	-1.29303	71.7211	21.2929
24	1.41099	-1.27024	73.3346	19.5006
25	1.60944	-1.24809	74.8923	17.4918
26	1.60944	-1.22123	76.3837	15.5264
27	1.60944	-1.20036	77.8246	13.5945
28	1.60944	-1.18	79.217	11.6953
29	1.60944	-1.16012	80.5629	9.82817
30	1.60944	-1.1359	81.8531	8.00002
31	1.60944	-1.11699	83.1008	6.2023
32	1.60944	-1.09847	84.3074	4.43438
33	1.60944	-1.07584	85.4648	2.70289
34	1.60944	-1.05812	86.5845	0.999905
35	1.60944	-1.04073	87.6676	-0.675089
36	1.60944	-1.02365	88.7154	-2.32259
37	1.60944	-1.00271	89.7209	-3.93639
38	1.60944	-0.986272	90.6936	-5.52374
39	1.60944	-0.970094	91.6347	-7.08505
40	1.60944	-0.954165	92.5451	-8.62071
41	1.60944	-0.93459	93.4186	-10.1249
42	1.60944	-0.919183	94.2635	-11.6042
43	1.60944	-0.903992	95.0807	-13.0592
44	1.60944	-0.885291	95.8644	-14.484
45	1.60944	-0.87055	96.6223	-15.8851
46	1.60944	-0.855996	97.355	-17.2628
47	1.60944	-0.841621	98.0633	-18.6173

48	1.60944	-0.823893	98.7421	-19.9433
49	1.60944	-0.809896	99.3981	-21.2468
50	1.60944	-0.796056	100.032	-22.528
51	1.60944	-0.782366	100.644	-23.7871
52	1.60944	-0.765456	101.23	-25.0191
53	1.60944	-0.752084	101.795	-26.2295
54	1.60944	-0.738846	102.341	-27.4187
55	1.60944	-0.722479	102.863	-28.5814
56	1.60944	-0.709522	103.367	-29.7234
57	1.60944	-0.696684	103.852	-30.8446
58	1.60944	-0.68396	104.32	-31.9454
59	1.60944	-0.668209	104.766	-33.0209
60	1.60944	-0.655726	105.196	-34.0762
61	1.60944	-0.643345	105.61	-35.1117
62	1.60944	-0.631062	106.008	-36.1273
63	1.60944	-0.615839	106.388	-37.1185
64	1.60944	-0.603765	106.752	-38.0902
65	1.60944	-0.591776	107.102	-39.0426
66	1.60944	-0.576911	107.435	-39.9711
67	1.60944	-0.565108	107.755	-40.8806
68	1.60944	-0.553384	108.061	-41.7713
69	1.60944	-0.541736	108.354	-42.6431
70	1.60944	-0.52728	108.632	-43.4918
71	1.60944	-0.515791	108.898	-44.3219
72	1.60944	-0.504372	109.153	-45.1337
73	1.60944	-0.493018	109.396	-45.9271
74	1.60944	-0.478914	109.625	-46.6979
75	1.60944	-0.467699	109.844	-47.4507
76	1.60944	-0.456542	110.052	-48.1854
77	1.60944	-0.442676	110.248	-48.8979
78	1.60944	-0.431644	110.435	-49.5926
79	1.64866	-0.420664	110.612	-50.2861
80	1.72277	-0.409735	110.78	-50.992
81	1.72277	-0.396142	110.936	-51.6745
82	1.72277	-0.385321	111.085	-52.3383
83	1.72277	-0.374544	111.225	-52.9835
84	1.72277	-0.363809	111.358	-53.6103
85	1.72277	-0.350451	111.48	-54.214
86	1.72277	-0.33981	111.596	-54.7995
87	1.72277	-0.329206	111.704	-55.3666
88	1.72277	-0.316004	111.804	-55.911
89	1.72277	-0.305481	111.897	-56.4373
90	1.72277	-0.294992	111.984	-56.9455
91	1.72277	-0.284535	112.065	-57.4357
92	1.72277	-0.271509	112.139	-57.9034
93	1.72277	-0.26112	112.207	-58.3533
94	1.72277	-0.250759	112.27	-58.7853
95	1.72277	-0.240426	112.328	-59.1995
96	1.72277	-0.227545	112.38	-59.5915
97	1.72277	-0.217267	112.427	-59.9658
98	1.72277	-0.207012	112.47	-60.3224
99	1.72277	-0.194225	112.508	-60.657
100	1.72277	-0.184017	112.541	-60.974
101	1.72277	-0.173829	112.572	-61.2735
102	1.72277	-0.163659	112.598	-61.5554
103	1.72277	-0.150969	112.621	-61.8155
104	1.72277	-0.140835	112.641	-62.0581

105	1.72277	-0.130716	112.658	-62.2833
106	1.72277	-0.12061	112.673	-62.4911
107	1.72277	-0.107995	112.684	-62.6772
108	1.72277	-0.0979139	112.694	-62.8459
109	1.72277	-0.0878447	112.702	-62.9972
110	1.72277	-0.0752698	112.707	-63.1269
111	1.72277	-0.0652187	112.712	-63.2392
112	1.72277	-0.0551734	112.715	-63.3343
113	1.72277	-0.0451348	112.717	-63.412
114	1.72277	-0.0325917	112.718	-63.4682
115	1.72277	-0.0225612	112.718	-63.507
116	1.72277	-0.0125328	112.718	-63.5286
117	1.72277	0	112.718	-63.5286
118	1.72277	0.0125328	112.719	-63.507
119	1.72277	0.0225612	112.719	-63.4682
120	1.72277	0.0325917	112.72	-63.412
121	1.72277	0.0451348	112.722	-63.3343
122	1.72277	0.0551734	112.725	-63.2392
123	1.72277	0.0652187	112.729	-63.1269
124	1.72277	0.0752698	112.735	-62.9972
125	1.72277	0.0878447	112.743	-62.8459
126	1.72277	0.0979139	112.752	-62.6772
127	1.72277	0.107995	112.764	-62.4911
128	1.72277	0.12061	112.779	-62.2833
129	1.72277	0.130716	112.796	-62.0581
130	1.72277	0.140835	112.816	-61.8155
131	1.72277	0.150969	112.838	-61.5554
132	1.72277	0.163659	112.865	-61.2735
133	1.72277	0.173829	112.895	-60.974
134	1.72277	0.184017	112.929	-60.657
135	1.72277	0.194225	112.967	-60.3224
136	1.72277	0.207012	113.01	-59.9658
137	1.72277	0.217267	113.057	-59.5915
138	1.72277	0.227545	113.109	-59.1995
139	1.72277	0.240426	113.167	-58.7853
140	1.72277	0.250759	113.229	-58.3533
141	1.72277	0.26112	113.298	-57.9034
142	1.72277	0.271509	113.371	-57.4357
143	1.72277	0.284535	113.452	-56.9455
144	1.72277	0.294992	113.539	-56.4373
145	1.72277	0.305481	113.633	-55.911
146	1.72277	0.316004	113.732	-55.3666
147	1.72277	0.329206	113.841	-54.7995
148	1.72277	0.33981	113.956	-54.214
149	1.72277	0.350451	114.079	-53.6103
150	1.72277	0.363809	114.211	-52.9835
151	1.72277	0.374544	114.352	-52.3383
152	1.72277	0.385321	114.5	-51.6745
153	1.72277	0.396142	114.657	-50.992
154	1.72277	0.409735	114.825	-50.2861
155	1.72277	0.420664	115.002	-49.5614
156	1.72277	0.431644	115.188	-48.8178
157	1.72277	0.442676	115.384	-48.0552
158	1.79176	0.456542	115.593	-47.2372
159	1.79176	0.467699	115.811	-46.3992
160	1.79176	0.478914	116.041	-45.5411
161	1.79176	0.493018	116.284	-44.6577

162	1.79176	0.504372	116.538	-43.754
163	1.79176	0.515791	116.804	-42.8298
164	1.79176	0.52728	117.082	-41.885
165	1.79176	0.541736	117.376	-40.9144
166	1.79176	0.553384	117.682	-39.9228
167	1.79176	0.565108	118.001	-38.9103
168	1.79176	0.576911	118.334	-37.8766
169	1.79176	0.591776	118.684	-36.8163
170	1.79176	0.603765	119.049	-35.7345
171	1.79176	0.615839	119.428	-34.6311
172	1.79176	0.631062	119.826	-33.5004
173	1.79176	0.643345	120.24	-32.3476
174	1.79176	0.655726	120.67	-31.1727
175	1.79176	0.668209	121.117	-29.9755
176	1.79176	0.68396	121.585	-28.75
177	1.79176	0.696684	122.07	-27.5017
178	1.79176	0.709522	122.573	-26.2304
179	1.79176	0.722479	123.095	-24.9359
180	1.79176	0.738846	123.641	-23.612
181	1.79176	0.752084	124.207	-22.2645
182	1.79176	0.765456	124.793	-20.893
183	1.79176	0.782366	125.405	-19.4912
184	1.79176	0.796056	126.039	-18.0648
185	1.79176	0.809896	126.695	-16.6137
186	1.79176	0.823893	127.373	-15.1375
187	1.79176	0.841621	128.082	-13.6295
188	1.79176	0.855996	128.814	-12.0958
189	1.79176	0.87055	129.572	-10.5359
190	1.79176	0.885291	130.356	-8.94971
191	1.79176	0.903992	131.173	-7.32997
192	1.79176	0.919183	132.018	-5.68301
193	1.79176	0.93459	132.892	-4.00845
194	1.79176	0.954165	133.802	-2.29882
195	1.79176	0.970094	134.743	-0.560644
196	1.79176	0.986272	135.716	1.20652
197	1.79176	1.00271	136.721	3.00313
198	1.79176	1.02365	137.769	4.83727
199	1.79176	1.04073	138.852	6.70202
200	1.79176	1.05812	139.972	8.59792
201	1.79176	1.07584	141.129	10.5256
202	1.79176	1.09847	142.336	12.4937
203	1.79176	1.11699	143.584	14.4951
204	1.79176	1.1359	144.874	16.5304
205	1.79176	1.16012	146.22	18.609
206	1.79176	1.18	147.612	20.7233
207	1.79176	1.20036	149.053	22.8741
208	1.79176	1.22123	150.544	25.0622
209	1.79176	1.24809	152.102	27.2985
210	1.79176	1.27024	153.716	29.5744
211	1.79176	1.29303	155.388	31.8912
212	1.79176	1.31652	157.121	34.2501
213	1.79176	1.34694	158.935	36.6635
214	1.79176	1.3722	160.818	39.1222
215	1.79176	1.39838	162.773	41.6277
216	1.79176	1.4325	164.825	44.1944
217	1.79176	1.46106	166.96	46.8123
218	1.80829	1.49085	169.183	49.5082

219	1.97408	1.52203	171.499	52.5128
220	2.30259	1.56322	173.943	56.1123
221	2.30259	1.59819	176.497	59.7922
222	2.30259	1.63524	179.171	63.5575
223	2.30259	1.67466	181.976	67.4136
224	2.30259	1.72793	184.962	71.3923
225	2.3979	1.77438	188.11	75.647
226	2.3979	1.82501	191.441	80.0232
227	2.48491	1.8957	195.034	84.7338
228	2.56495	1.95996	198.876	89.761
229	2.70805	2.03352	203.011	95.2679
230	2.89037	2.12007	207.506	101.396
231	3.78419	2.25713	212.6	109.937
232	4.33073	2.40892	218.403	120.37
233	4.94164	2.65209	225.437	133.475

Data Set Standard Deviation = 0.919051
Numerator = 17815.6
Denominator = 44176.6
W Statistic = 0.403282 = 17815.6 / 44176.6

5% Critical value of 0.976 exceeds 0.403282
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.403282
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Cobalt, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<1.79176	108.5
	5/15/1996	ND<1.79176	108.5
	5/16/1996	ND<1.79176	108.5
	5/17/1996	ND<1.79176	108.5
	11/5/1996	ND<1.79176	108.5
	4/15/1997	ND<1.79176	108.5
	10/31/1997	ND<1.79176	108.5
	6/24/1998	ND<1.79176	108.5
	12/10/1998	ND<1.79176	108.5
	5/25/1999	ND<1.79176	108.5
	11/19/1999	ND<1.79176	108.5
	5/23/2000	ND<1.79176	108.5
	12/14/2000	ND<1.79176	108.5
	6/6/2001	ND<1.79176	108.5
	11/15/2001	ND<1.79176	108.5
	6/12/2002	ND<1.79176	108.5
	11/5/2002	ND<1.79176	108.5
	6/17/2003	ND<1.79176	108.5
	12/5/2003	ND<1.79176	108.5
	6/22/2004	ND<1.79176	108.5
	10/20/2004	ND<1.79176	108.5
	6/15/2005	ND<1.79176	108.5
	6/15/2005	ND<1.79176	108.5
	6/15/2005	ND<1.79176	108.5
	11/1/2005	ND<1.79176	108.5
	3/17/2006	ND<1.79176	108.5
	9/11/2006	ND<1.60944	108.5
	2/21/2007	ND<1.60944	108.5
	8/14/2007	ND<1.60944	108.5
	2/7/2008	ND<0.693147	108.5
	8/4/2008	ND<0.693147	108.5
	2/19/2009	ND<0.693147	108.5
	8/20/2009	ND<1.60944	108.5
	1/21/2010	ND<1.60944	108.5
	9/7/2010	ND<1.60944	108.5
	1/7/2011	ND<1.60944	108.5
	8/1/2011	ND<1.60944	108.5
	2/24/2012	ND<1.60944	108.5
	8/22/2012	ND<1.60944	108.5
	1/10/2013	ND<1.60944	108.5
	8/28/2013	ND<1.60944	108.5
	2/4/2014	ND<1.60944	108.5
	8/7/2014	ND<1.60944	108.5
	2/11/2015	ND<1.60944	108.5
	8/20/2015	ND<1.60944	108.5
	2/17/2016	ND<1.60944	108.5

	2/17/2016	ND<1.60944	108.5
	8/3/2016	ND<0	108.5
	1/12/2017	ND<0	108.5
	7/20/2017	ND<0	108.5
	1/23/2018	ND<2.30259 U	108.5
	7/12/2018	ND<2.30259	108.5
	2/13/2019	ND<2.30259	108.5
	8/16/2019	ND<1.72277	108.5
	3/17/2020	ND<1.72277	108.5
	8/25/2020	ND<1.72277	108.5
	3/16/2021	ND<1.72277	108.5
	7/26/2021	ND<1.72277	108.5
	3/2/2022	ND<1.72277	108.5
	9/21/2022	ND<1.72277	108.5
	3/9/2023	ND<1.72277	108.5
	7/19/2023	ND<1.72277	108.5
	1/23/2024	ND<1.72277	108.5
	8/26/2024	ND<1.72277	108.5
	2/3/2025	ND<1.72277	108.5
	7/22/2025	ND<1.72277	108.5
	1/6/2026	ND<1.72277	108.5
Rank Sum = 7269.5			
Rank Mean = 108.5			
M-17S	5/15/1996	ND<1.79176	108.5
	11/5/1996	ND<1.79176	108.5
	4/15/1997	ND<1.79176	108.5
	10/30/1997	ND<1.79176	108.5
	6/23/1998	ND<1.79176	108.5
	12/9/1998	ND<1.79176	108.5
	5/25/1999	ND<1.79176	108.5
	11/16/1999	ND<1.79176	108.5
	5/19/2000	ND<1.79176	108.5
	12/12/2000	ND<1.79176	108.5
	6/5/2001	ND<1.79176	108.5
	11/15/2001	ND<1.79176	108.5
	6/13/2002	ND<1.79176	108.5
	11/7/2002	ND<1.79176	108.5
	6/17/2003	ND<1.79176	108.5
	12/4/2003	ND<1.79176	108.5
	6/22/2004	ND<1.79176	108.5
	10/19/2004	ND<1.79176	108.5
	6/15/2005	ND<1.79176	108.5
	6/15/2005	ND<1.79176	108.5
	6/15/2005	ND<1.79176	108.5
	11/1/2005	ND<1.79176	108.5
	3/16/2006	ND<1.79176	108.5
	9/12/2006	ND<1.60944	108.5
	2/20/2007	ND<1.60944	108.5
	8/13/2007	ND<1.60944	108.5
	2/6/2008	ND<0.693147	108.5
	8/6/2008	ND<0.693147	108.5
	2/18/2009	ND<0.693147	108.5
	8/19/2009	ND<1.60944	108.5
	1/22/2010	ND<1.60944	108.5
	9/8/2010	ND<1.60944	108.5
	1/7/2011	ND<1.60944	108.5
	8/1/2011	ND<1.60944	108.5

	2/21/2012	ND<1.60944	108.5
	8/22/2012	ND<1.60944	108.5
	1/11/2013	ND<1.60944	108.5
	8/28/2013	ND<1.60944	108.5
	2/6/2014	ND<1.60944	108.5
	8/6/2014	ND<1.60944	108.5
	2/12/2015	ND<1.60944	108.5
	8/20/2015	ND<1.60944	108.5
	2/17/2016	ND<1.60944	108.5
	2/17/2016	ND<1.60944	108.5
	8/4/2016	0.405465	217
	1/12/2017	0.788457	218
	7/19/2017	1.80829	222
	1/23/2018	1.72277	220
	7/11/2018	ND<1.38629 J	108.5
	2/13/2019	ND<1.72277	108.5
	8/13/2019	ND<1.72277	108.5
	3/17/2020	ND<1.72277	108.5
	8/27/2020	ND<1.72277	108.5
	3/15/2021	ND<1.72277	108.5
	7/27/2021	3.78419	231
	3/3/2022	ND<1.72277	108.5
	9/21/2022	ND<0.875469 J	108.5
	3/9/2023	1.97408	223
	7/24/2023	ND<1.25276 J	108.5
	1/23/2024	2.89037	230
	8/26/2024	ND<1.72277	108.5
	2/3/2025	ND<0.832909 J	108.5
	7/21/2025	ND<1.41099 J	108.5
	1/6/2026	ND<1.72277	108.5
Rank Sum = 7745.5			
Rank Mean = 121.023			
M-23	12/8/1998	4.94164	233
	12/9/1998	2.56495	228
	12/10/1998	2.70805	229
	12/11/1998	4.33073	232
	5/27/1999	ND<1.79176	108.5
	5/23/2000	2.48491	227
	11/17/2000	2.30259	224
	12/13/2000	ND<1.79176	108.5
	6/8/2001	2.3979	225
	11/14/2001	2.3979	226
	6/14/2002	ND<1.79176	108.5
	11/5/2002	ND<1.79176	108.5
	6/17/2003	ND<1.79176	108.5
	12/5/2003	ND<1.79176	108.5
	6/25/2004	ND<1.79176	108.5
	10/19/2004	ND<1.79176	108.5
	6/15/2005	ND<-5.116	108.5
	6/15/2005	ND<-5.116	108.5
	6/15/2005	ND<-5.116	108.5
	11/2/2005	ND<1.79176	108.5
	3/16/2006	ND<1.79176	108.5
	9/12/2006	ND<1.60944	108.5
	2/22/2007	ND<1.60944	108.5
	8/15/2007	1.60944	219
	2/6/2008	ND<0.693147	108.5

8/4/2008	1.79176	221
2/18/2009	ND<0.693147	108.5
8/19/2009	ND<1.60944	108.5
1/21/2010	ND<1.60944	108.5
9/7/2010	ND<1.60944	108.5
1/7/2011	ND<1.60944	108.5
8/1/2011	ND<1.60944	108.5
2/21/2012	ND<1.60944	108.5
8/22/2012	ND<1.60944	108.5
1/11/2013	ND<1.60944	108.5
8/29/2013	ND<1.60944	108.5
2/6/2014	ND<1.60944	108.5
8/6/2014	ND<1.60944	108.5
2/10/2015	ND<1.60944	108.5
8/18/2015	ND<1.60944	108.5
2/17/2016	ND<1.60944	108.5
2/17/2016	ND<1.60944	108.5
8/3/2016	ND<0	108.5
1/12/2017	ND<0	108.5
7/19/2017	ND<0	108.5
1/23/2018	ND<2.30259 U	108.5
7/11/2018	ND<1.64866 J	108.5
2/13/2019	ND<1.72277	108.5
8/16/2019	ND<1.72277	108.5
3/17/2020	ND<1.72277	108.5
8/25/2020	ND<1.72277	108.5
3/16/2021	ND<1.72277	108.5
7/26/2021	ND<1.72277	108.5
3/2/2022	ND<1.72277	108.5
9/21/2022	ND<1.72277	108.5
3/9/2023	ND<1.72277	108.5
7/24/2023	ND<1.72277	108.5
1/23/2024	ND<1.72277	108.5
8/26/2024	ND<1.72277	108.5
2/3/2025	ND<1.72277	108.5
7/21/2025	ND<1.72277	108.5
1/6/2026	ND<1.72277	108.5

Rank Sum = 7906
Rank Mean = 127.516

Background Rank Sum = 22921
Background Rank Mean = 118.762

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<1.72277	108.5
	8/27/2024	ND<1.72277	108.5
	2/7/2025	ND<1.72277	108.5
	7/23/2025	ND<1.72277	108.5
	1/7/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

M-24D	1/24/2024	ND<1.72277	108.5
	8/29/2024	ND<1.72277	108.5
	2/5/2025	ND<1.72277	108.5

	7/24/2025	ND<1.72277	108.5
	1/8/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

M-7	1/24/2024	ND<1.72277	108.5
	8/28/2024	ND<1.72277	108.5
	2/4/2025	ND<1.72277	108.5
	7/21/2025	ND<1.72277	108.5
	1/5/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

M-8	1/24/2024	ND<1.72277	108.5
	8/27/2024	ND<1.72277	108.5
	2/5/2025	ND<1.72277	108.5
	7/24/2025	ND<1.72277	108.5
	1/8/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

M-18	1/25/2024	ND<1.72277	108.5
	8/28/2024	ND<1.72277	108.5
	2/5/2025	ND<1.72277	108.5
	7/22/2025	ND<1.72277	108.5
	1/7/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

M-9S	1/25/2024	ND<1.72277	108.5
	8/28/2024	ND<1.72277	108.5
	2/5/2025	ND<1.72277	108.5
	7/22/2025	ND<1.72277	108.5
	1/8/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

M-21	1/22/2024	ND<1.72277	108.5
	8/27/2024	ND<1.72277	108.5
	2/4/2025	ND<1.72277	108.5
	7/21/2025	ND<1.72277	108.5
	1/7/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

M-19	1/22/2024	ND<1.72277	108.5
	8/29/2024	ND<1.72277	108.5
	2/3/2025	ND<1.72277	108.5
	7/23/2025	ND<1.72277	108.5
	1/6/2026	ND<1.72277	108.5

Rank Sum = 542.5
Rank Mean = 108.5

Calculation Results:

Kruskal-Wallis H Statistic = 0.767902
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 3.7771

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
0.767902 < 15.5073 indicating no significant group difference at 5% significance level
3.7771 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Iron, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 288

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-2.57702	-2.74777	7.55021	7.08105
2	-2.57702	-2.51213	13.861	13.5549
3	-2.57702	-2.32634	19.2729	19.5499
4	1.60944	-2.22621	24.2289	15.967
5	2.19722	-2.12007	28.7236	11.3087
6	2.19722	-2.05375	32.9415	6.79616
7	2.19722	-1.97737	36.8515	2.45143
8	2.19722	-1.92684	40.5642	-1.78226
9	2.19722	-1.86629	44.0472	-5.88293
10	2.19722	-1.82501	47.3778	-9.89287
11	2.19722	-1.77438	50.5263	-13.7916
12	2.19722	-1.7392	53.5511	-17.613
13	2.19722	-1.70604	56.4617	-21.3616
14	2.19722	-1.66456	59.2324	-25.019
15	2.19722	-1.63524	61.9064	-28.6119
16	2.19722	-1.59819	64.4606	-32.1235
17	2.19722	-1.57179	66.9312	-35.5771
18	2.19722	-1.5382	69.2972	-38.9569
19	2.19722	-1.5141	71.5897	-42.2837
20	2.19722	-1.48328	73.7899	-45.5428
21	2.19722	-1.46106	75.9245	-48.7531
22	2.19722	-1.4325	77.9766	-51.9006
23	2.19722	-1.41183	79.9699	-55.0027
24	2.19722	-1.38517	81.8886	-58.0463
25	2.19722	-1.36581	83.754	-61.0472
26	2.19722	-1.34694	85.5683	-64.0068
27	2.19722	-1.32251	87.3173	-66.9126
28	2.19722	-1.30469	89.0195	-69.7793
29	2.19722	-1.28155	90.6619	-72.5952
30	2.19722	-1.26464	92.2612	-75.3739
31	2.19722	-1.24264	93.8053	-78.1042
32	2.19722	-1.22653	95.3097	-80.7992
33	2.19722	-1.20553	96.763	-83.448
34	2.19722	-1.19012	98.1794	-86.0629
35	2.19722	-1.17	99.5483	-88.6337
36	2.19722	-1.15522	100.883	-91.172
37	2.19722	-1.1359	102.173	-93.6678
38	2.19722	-1.12168	103.431	-96.1324
39	2.19722	-1.10768	104.658	-98.5662
40	2.19722	-1.08935	105.845	-100.96
41	2.19722	-1.07584	107.002	-103.324
42	2.19722	-1.05812	108.122	-105.649
43	2.19722	-1.04505	109.214	-107.945
44	2.19722	-1.02789	110.271	-110.203
45	2.30259	-1.01522	111.301	-112.541
46	2.3979	-0.998575	112.298	-114.935
47	2.56495	-0.986272	113.271	-117.465

48	2.63906	-0.970094	114.212	-120.025
49	2.63906	-0.958125	115.13	-122.554
50	2.77259	-0.942375	116.018	-125.167
51	2.94444	-0.930718	116.885	-127.907
52	2.94444	-0.919183	117.729	-130.614
53	2.99573	-0.903992	118.547	-133.322
54	3.04452	-0.892733	119.344	-136.04
55	3.09104	-0.877897	120.114	-138.753
56	3.13549	-0.866894	120.866	-141.471
57	3.17805	-0.852385	121.592	-144.18
58	3.17805	-0.841621	122.301	-146.855
59	3.21888	-0.827417	122.985	-149.518
60	3.21888	-0.816874	123.653	-152.148
61	3.2581	-0.802956	124.297	-154.764
62	3.3322	-0.792618	124.926	-157.405
63	3.3673	-0.782366	125.538	-160.039
64	3.3673	-0.768821	126.129	-162.628
65	3.46574	-0.758753	126.705	-165.258
66	3.49651	-0.745449	127.26	-167.864
67	3.58352	-0.735557	127.801	-170.5
68	3.7612	-0.722479	128.323	-173.218
69	3.7612	-0.712751	128.831	-175.899
70	3.78419	-0.699883	129.321	-178.547
71	3.82864	-0.690309	129.798	-181.19
72	3.91202	-0.677639	130.257	-183.841
73	3.91202	-0.668209	130.703	-186.455
74	3.91202	-0.655726	131.133	-189.02
75	3.91202	-0.646431	131.551	-191.549
76	3.91202	-0.637192	131.957	-194.042
77	3.91202	-0.624956	132.348	-196.487
78	3.91202	-0.615839	132.727	-198.896
79	3.91202	-0.603765	133.092	-201.258
80	3.91202	-0.594766	133.445	-203.584
81	3.91202	-0.582841	133.785	-205.865
82	3.91202	-0.573953	134.114	-208.11
83	3.91202	-0.56217	134.43	-210.309
84	3.91202	-0.553384	134.737	-212.474
85	3.91202	-0.541736	135.03	-214.593
86	3.91202	-0.533048	135.314	-216.678
87	3.91202	-0.521527	135.586	-218.719
88	3.91202	-0.51293	135.849	-220.725
89	3.91202	-0.504372	136.104	-222.698
90	3.91202	-0.493018	136.347	-224.627
91	3.91202	-0.484544	136.582	-226.523
92	3.91202	-0.473299	136.806	-228.374
93	3.91202	-0.464904	137.022	-230.193
94	3.93183	-0.453763	137.228	-231.977
95	3.95124	-0.445443	137.426	-233.737
96	3.96272	-0.434397	137.615	-235.458
97	3.96462	-0.426148	137.796	-237.148
98	3.97029	-0.415193	137.969	-238.796
99	3.98898	-0.40701	138.134	-240.42
100	3.98898	-0.396142	138.291	-242
101	4.02535	-0.388022	138.442	-243.562
102	4.02535	-0.379927	138.586	-245.091
103	4.02535	-0.369171	138.723	-246.578
104	4.02535	-0.361133	138.853	-248.031

105	4.02535	-0.350451	138.976	-249.442
106	4.02535	-0.342466	139.093	-250.82
107	4.02535	-0.331854	139.203	-252.156
108	4.02535	-0.323919	139.308	-253.46
109	4.02535	-0.31337	139.406	-254.722
110	4.02535	-0.305481	139.5	-255.951
111	4.02535	-0.294992	139.587	-257.139
112	4.02535	-0.287147	139.669	-258.295
113	4.02535	-0.276714	139.746	-259.408
114	4.02535	-0.268908	139.818	-260.491
115	4.02535	-0.26112	139.886	-261.542
116	4.02535	-0.250759	139.949	-262.551
117	4.02535	-0.243007	140.008	-263.53
118	4.02535	-0.232693	140.062	-264.466
119	4.02535	-0.224974	140.113	-265.372
120	4.02535	-0.214702	140.159	-266.236
121	4.02535	-0.207012	140.202	-267.069
122	4.02535	-0.196779	140.241	-267.861
123	4.02535	-0.189118	140.276	-268.623
124	4.02535	-0.17892	140.308	-269.343
125	4.02535	-0.171285	140.338	-270.032
126	4.02535	-0.163659	140.364	-270.691
127	4.02535	-0.153505	140.388	-271.309
128	4.02535	-0.1459	140.409	-271.896
129	4.02535	-0.135774	140.428	-272.443
130	4.02535	-0.128189	140.444	-272.959
131	4.02535	-0.118085	140.458	-273.434
132	4.02535	-0.110516	140.47	-273.879
133	4.02535	-0.100433	140.48	-274.283
134	4.02535	-0.0928787	140.489	-274.657
135	4.04305	-0.0828129	140.496	-274.992
136	4.06217	-0.0752698	140.502	-275.298
137	4.09434	-0.0652187	140.506	-275.565
138	4.11087	-0.0576847	140.509	-275.802
139	4.15888	-0.0501541	140.512	-276.011
140	4.15888	-0.0401167	140.513	-276.177
141	4.18965	-0.0325917	140.514	-276.314
142	4.18965	-0.0225612	140.515	-276.409
143	4.20469	-0.0150408	140.515	-276.472
144	4.21951	-0.00501359	140.515	-276.493
145	4.2485	0.00501359	140.515	-276.472
146	4.26268	0.0150408	140.515	-276.408
147	4.27667	0.0225612	140.516	-276.311
148	4.39445	0.0325917	140.517	-276.168
149	4.40672	0.0401167	140.519	-275.991
150	4.44265	0.0501541	140.521	-275.768
151	4.44265	0.0576847	140.524	-275.512
152	4.46014	0.0652187	140.529	-275.221
153	4.46014	0.0752698	140.534	-274.885
154	4.4762	0.0828129	140.541	-274.515
155	4.51086	0.0928787	140.55	-274.096
156	4.55388	0.100433	140.56	-273.638
157	4.58497	0.110516	140.572	-273.132
158	4.60517	0.118085	140.586	-272.588
159	4.60517	0.128189	140.602	-271.998
160	4.60517	0.135774	140.621	-271.372
161	4.60517	0.1459	140.642	-270.7

162	4.70048	0.153505	140.666	-269.979
163	4.77068	0.163659	140.693	-269.198
164	4.78749	0.171285	140.722	-268.378
165	4.80402	0.17892	140.754	-267.518
166	4.80402	0.189118	140.79	-266.61
167	4.85203	0.196779	140.828	-265.655
168	4.85981	0.207012	140.871	-264.649
169	4.85981	0.214702	140.917	-263.606
170	4.86753	0.224974	140.968	-262.511
171	4.86753	0.232693	141.022	-261.378
172	4.8752	0.243007	141.081	-260.193
173	4.89035	0.250759	141.144	-258.967
174	4.94164	0.26112	141.212	-257.677
175	4.94164	0.268908	141.284	-256.348
176	4.94164	0.276714	141.361	-254.98
177	4.94164	0.287147	141.444	-253.561
178	5.01064	0.294992	141.531	-252.083
179	5.01064	0.305481	141.624	-250.553
180	5.03044	0.31337	141.722	-248.976
181	5.0626	0.323919	141.827	-247.336
182	5.0814	0.331854	141.937	-245.65
183	5.0814	0.342466	142.054	-243.91
184	5.10595	0.350451	142.177	-242.121
185	5.17615	0.361133	142.308	-240.251
186	5.1985	0.369171	142.444	-238.332
187	5.20401	0.379927	142.588	-236.355
188	5.22575	0.388022	142.739	-234.327
189	5.24702	0.396142	142.896	-232.249
190	5.29832	0.40701	143.061	-230.092
191	5.29832	0.415193	143.234	-227.892
192	5.29832	0.426148	143.415	-225.635
193	5.29832	0.434397	143.604	-223.333
194	5.29832	0.445443	143.802	-220.973
195	5.29832	0.453763	144.008	-218.569
196	5.37064	0.464904	144.225	-216.072
197	5.37528	0.473299	144.449	-213.528
198	5.42495	0.484544	144.683	-210.899
199	5.42495	0.493018	144.926	-208.225
200	5.43808	0.504372	145.181	-205.482
201	5.43808	0.51293	145.444	-202.692
202	5.4848	0.521527	145.716	-199.832
203	5.49717	0.533048	146	-196.902
204	5.54126	0.541736	146.293	-193.9
205	5.59842	0.553384	146.6	-190.802
206	5.65948	0.56217	146.916	-187.62
207	5.69709	0.573953	147.245	-184.35
208	5.70378	0.582841	147.585	-181.026
209	5.7301	0.594766	147.939	-177.618
210	5.7301	0.603765	148.303	-174.158
211	5.7301	0.615839	148.682	-170.629
212	5.73657	0.624956	149.073	-167.044
213	5.78996	0.637192	149.479	-163.355
214	5.79909	0.646431	149.897	-159.606
215	5.80814	0.655726	150.327	-155.798
216	5.84932	0.668209	150.773	-151.889
217	5.84932	0.677639	151.233	-147.925
218	5.84932	0.690309	151.709	-143.887

219	5.85793	0.699883	152.199	-139.788
220	5.86647	0.712751	152.707	-135.606
221	5.90536	0.722479	153.229	-131.34
222	5.92693	0.735557	153.77	-126.98
223	5.95324	0.745449	154.326	-122.542
224	5.96615	0.758753	154.901	-118.015
225	5.96871	0.768821	155.492	-113.427
226	6.02345	0.782366	156.105	-108.714
227	6.04025	0.792618	156.733	-103.926
228	6.08677	0.802956	157.378	-99.039
229	6.09131	0.816874	158.045	-94.0632
230	6.1591	0.827417	158.729	-88.9671
231	6.16961	0.841621	159.438	-83.7746
232	6.18621	0.852385	160.164	-78.5015
233	6.19441	0.866894	160.916	-73.1317
234	6.20859	0.877897	161.687	-67.6812
235	6.23048	0.892733	162.483	-62.119
236	6.23832	0.903992	163.301	-56.4796
237	6.24611	0.919183	164.146	-50.7383
238	6.27288	0.930718	165.012	-44.9
239	6.286	0.942375	165.9	-38.9762
240	6.33328	0.958125	166.818	-32.9082
241	6.34564	0.970094	167.759	-26.7523
242	6.44095	0.986272	168.732	-20.3998
243	6.46147	0.998575	169.729	-13.9475
244	6.51471	1.01522	170.76	-7.33364
245	6.51915	1.02789	171.816	-0.632654
246	6.60665	1.04505	172.908	6.27163
247	6.62007	1.05812	174.028	13.2765
248	6.63595	1.07584	175.185	20.4157
249	6.64639	1.08935	176.372	27.6559
250	6.65673	1.10768	177.599	35.0294
251	6.68085	1.12168	178.857	42.5232
252	6.69084	1.1359	180.147	50.1233
253	6.78219	1.15522	181.482	57.9582
254	6.8533	1.17	182.851	65.9766
255	6.8773	1.19012	184.267	74.1614
256	6.90776	1.20553	185.72	82.4889
257	7.00307	1.22653	187.225	91.0783
258	7.01212	1.24264	188.769	99.7919
259	7.02997	1.26464	190.368	108.682
260	7.13887	1.28155	192.011	117.831
261	7.17012	1.30469	193.713	127.186
262	7.20042	1.32251	195.462	136.708
263	7.24423	1.34694	197.276	146.466
264	7.35244	1.36581	199.142	156.508
265	7.50108	1.38517	201.06	166.898
266	7.6009	1.41183	203.054	177.629
267	7.70075	1.4325	205.106	188.661
268	7.70075	1.46106	207.24	199.912
269	7.71869	1.48328	209.44	211.361
270	7.75791	1.5141	211.733	223.107
271	7.76217	1.5382	214.099	235.047
272	7.78322	1.57179	216.57	247.281
273	7.91206	1.59819	219.124	259.926
274	7.97247	1.63524	221.798	272.963
275	8.4029	1.66456	224.568	286.95

276	8.69618	1.70604	227.479	301.786
277	8.82615	1.7392	230.504	317.136
278	8.93853	1.77438	233.652	332.997
279	9.01554	1.82501	236.983	349.45
280	9.53242	1.86629	240.466	367.24
281	9.83628	1.92684	244.179	386.193
282	9.84161	1.97737	248.089	405.654
283	9.84161	2.05375	252.307	425.866
284	9.95228	2.12007	256.801	446.965
285	9.9988	2.22621	261.757	469.225
286	10.1306	2.32634	267.169	492.792
287	10.1386	2.51213	273.48	518.261
288	11.7199	2.74777	281.03	550.465

Data Set Standard Deviation = 1.99718
Numerator = 303012
Denominator = 321712
W Statistic = 0.941872 = 303012 / 321712

5% Critical value of 0.976 exceeds 0.941872
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.941872
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Iron, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	5.42495	198
	5/14/1996	ND<2.19722	60
	5/15/1996	5.86647	220
	5/15/1996	ND<2.19722	60
	5/16/1996	5.65948	206
	5/16/1996	3.04452	132
	5/17/1996	6.44095	242
	5/17/1996	7.01212	258
	11/5/1996	5.59842	205
	11/5/1996	6.46147	243
	4/15/1997	4.94164	180
	4/15/1997	ND<2.19722	60
	10/31/1997	6.24611	237
	10/31/1997	ND<2.19722	60
	6/24/1998	5.92693	222
	6/24/1998	ND<2.19722	60
	12/10/1998	6.51471	244
	12/10/1998	ND<2.19722	60
	5/25/1999	6.16961	231
	5/25/1999	4.15888	146
	11/19/1999	5.10595	190
	11/19/1999	ND<2.19722	60
	5/23/2000	6.63595	248
	5/23/2000	ND<2.19722	60
	12/14/2000	5.0626	187
	12/14/2000	ND<2.19722	60
	6/6/2001	5.69709	207
	6/6/2001	ND<2.19722	60
	11/15/2001	5.1985	192
	11/15/2001	ND<2.19722	60
	6/12/2002	4.2485	152
	6/12/2002	ND<2.19722	60
	11/5/2002	4.27667	154
	11/5/2002	3.58352	137
	6/17/2003	5.54126	204
	6/17/2003	ND<2.19722	60
	12/5/2003	ND<2.19722	60
	12/5/2003	ND<2.19722	60
	6/22/2004	2.99573	131
	6/22/2004	ND<2.19722	60
	10/20/2004	5.22575	194
	10/20/2004	ND<2.19722	60
	6/15/2005	5.84932	216
	6/15/2005	5.84932	217
	6/15/2005	5.84932	218
	11/1/2005	2.63906	127

	3/17/2006	8.82615	277
	9/11/2006	4.85203	173
	2/21/2007	6.78219	253
	8/14/2007	7.75791	270
	2/7/2008	5.0814	188
	8/4/2008	ND<3.91202	60
	2/19/2009	4.26268	153
	8/20/2009	ND<3.91202	60
	1/21/2010	4.55388	163
	9/7/2010	ND<3.91202	60
	1/7/2011	4.44265	157
	8/1/2011	3.98898	141
	2/24/2012	ND<3.91202	60
	8/22/2012	ND<3.91202	60
	1/10/2013	4.18965	148
	8/28/2013	6.18621	232
	2/4/2014	ND<3.91202	60
	8/7/2014	ND<3.91202	60
	2/11/2015	4.85981	174
	8/20/2015	4.06217	143
	2/17/2016	ND<3.91202	60
	2/17/2016	ND<3.91202	60
	8/3/2016	ND<5.29832	60
	1/12/2017	ND<5.29832	60
	7/20/2017	ND<5.29832	60
	1/23/2018	ND<1.60944 U	60
	7/12/2018	5.01064	184
	2/13/2019	ND<4.60517	60
	8/16/2019	ND<2.94444 J	60
	3/17/2020	ND<4.02535	60
	8/25/2020	ND<4.02535	60
	3/16/2021	5.96615	224
	7/26/2021	4.94164	181
	3/2/2022	6.90776	256
	9/21/2022	4.51086	162
	3/9/2023	6.64639	249
	7/19/2023	5.85793	219
	1/23/2024	4.86753	176
	8/26/2024	4.60517	165
	2/3/2025	ND<3.98898 J	60
	7/22/2025	6.8773	255
	1/6/2026	4.11087	145
Rank Sum = 12526			
Rank Mean = 142.341			
M-17S	5/15/1996	6.65673	250
	5/15/1996	3.21888	135
	11/5/1996	7.78322	272
	11/5/1996	ND<2.19722	60
	4/15/1997	4.09434	144
	4/15/1997	ND<2.19722	60
	10/30/1997	6.1591	230
	10/30/1997	7.02997	259
	6/23/1998	6.60665	246
	6/23/1998	ND<2.19722	60
	12/9/1998	6.33328	240
	12/9/1998	ND<2.19722	60
	5/25/1999	7.20042	262

5/25/1999	5.37064	196
11/16/1999	6.51915	245
11/16/1999	ND<2.19722	60
5/19/2000	6.08677	228
5/19/2000	2.94444	130
12/12/2000	6.20859	234
12/12/2000	ND<2.19722	60
6/5/2001	6.23832	236
6/5/2001	2.19722	123
11/15/2001	5.95324	223
11/15/2001	ND<2.19722	60
6/13/2002	6.286	239
6/13/2002	ND<2.19722	60
11/7/2002	2.77259	129
11/7/2002	ND<2.19722	60
6/17/2003	5.80814	215
6/17/2003	ND<2.19722	60
12/4/2003	3.3673	136
12/4/2003	ND<2.19722	60
6/22/2004	6.8533	254
6/22/2004	ND<2.19722	60
10/19/2004	7.13887	260
10/19/2004	2.56495	126
6/15/2005	5.7301	209
6/15/2005	5.7301	210
6/15/2005	5.7301	211
11/1/2005	5.20401	193
3/16/2006	7.70075	267
9/12/2006	7.35244	264
2/20/2007	7.6009	266
8/13/2007	6.34564	241
2/6/2008	4.8752	178
8/6/2008	ND<3.91202	60
2/18/2009	ND<3.91202	60
8/19/2009	ND<3.91202	60
1/22/2010	ND<3.91202	60
9/8/2010	ND<3.91202	60
1/7/2011	ND<3.91202	60
8/1/2011	ND<3.91202	60
2/21/2012	ND<3.91202	60
8/22/2012	ND<3.91202	60
1/11/2013	3.96272	139
8/28/2013	5.03044	186
2/6/2014	4.89035	179
8/6/2014	ND<3.91202	60
2/12/2015	ND<3.91202	60
8/20/2015	4.4762	161
2/17/2016	4.80402	171
2/17/2016	4.80402	172
8/4/2016	ND<5.29832	60
1/12/2017	ND<5.29832	60
7/19/2017	ND<5.29832	60
1/23/2018	4.86753	177
7/11/2018	7.00307	257
2/13/2019	ND<4.02535	60
8/13/2019	ND<3.2581 J	60
3/17/2020	4.04305	142

	8/27/2020	ND<4.02535	60
	3/15/2021	ND<3.7612 J	60
	7/27/2021	10.1386	287
	3/3/2022	ND<3.3673 J	60
	9/21/2022	ND<4.02535	60
	3/9/2023	4.20469	150
	7/24/2023	4.60517	166
	1/23/2024	7.97247	274
	8/26/2024	4.15888	147
	2/3/2025	4.70048	168
	7/21/2025	4.39445	155
	1/6/2026	4.18965	149
Rank Sum = 12051			
Rank Mean = 146.963			
M-23	12/8/1998	9.9988	285
	12/8/1998	ND<2.19722	60
	12/9/1998	9.95228	284
	12/9/1998	3.13549	133
	12/10/1998	10.1306	286
	12/10/1998	3.95124	138
	12/11/1998	11.7199	288
	12/11/1998	6.23048	235
	5/27/1999	8.93853	278
	5/27/1999	ND<2.19722	60
	5/23/2000	9.84161	282
	5/23/2000	2.63906	128
	11/17/2000	9.53242	280
	11/17/2000	ND<2.19722	60
	12/13/2000	3.17805	134
	12/13/2000	ND<2.19722	60
	6/8/2001	9.84161	283
	6/8/2001	2.30259	124
	11/14/2001	9.83628	281
	11/14/2001	ND<2.19722	60
	6/14/2002	8.69618	276
	6/14/2002	ND<2.19722	60
	11/5/2002	7.70075	268
	11/5/2002	ND<2.19722	60
	6/17/2003	7.76217	271
	6/17/2003	ND<2.19722	60
	12/5/2003	7.71869	269
	12/5/2003	ND<2.19722	60
	6/25/2004	8.4029	275
	6/25/2004	ND<2.19722	60
	10/19/2004	6.68085	251
	10/19/2004	6.09131	229
	6/15/2005	-2.57702	120
	6/15/2005	-2.57702	121
	6/15/2005	-2.57702	122
	11/2/2005	2.3979	125
	3/16/2006	6.19441	233
	9/12/2006	7.91206	273
	2/22/2007	7.50108	265
	8/15/2007	9.01554	279
	2/6/2008	5.17615	191
	8/4/2008	ND<3.91202	60
	2/18/2009	ND<3.91202	60

8/19/2009	4.21951	151
1/21/2010	5.37528	197
9/7/2010	6.69084	252
1/7/2011	4.58497	164
8/1/2011	5.42495	199
2/21/2012	5.78996	213
8/22/2012	5.90536	221
1/11/2013	3.96462	140
8/29/2013	5.0814	189
2/6/2014	5.96871	225
8/6/2014	4.85981	175
2/10/2015	6.02345	226
8/18/2015	4.77068	169
2/17/2016	4.46014	159
2/17/2016	4.46014	160
8/3/2016	5.4848	202
1/12/2017	5.49717	203
7/19/2017	6.62007	247
1/23/2018	5.70378	208
7/11/2018	7.24423	263
2/13/2019	ND<3.97029 J	60
8/16/2019	ND<3.93183 J	60
3/17/2020	4.44265	158
8/25/2020	6.27288	238
3/16/2021	ND<3.78419 J	60
7/26/2021	4.94164	182
3/2/2022	5.43808	200
9/21/2022	ND<3.82864 J	60
3/9/2023	ND<4.02535	60
7/24/2023	4.60517	167
1/23/2024	ND<3.7612 J	60
8/26/2024	ND<3.46574 J	60
2/3/2025	7.17012	261
7/21/2025	5.01064	185
1/6/2026	4.78749	170

Rank Sum = 13671
Rank Mean = 175.269

Background Rank Sum = 38248
Background Rank Mean = 154.226

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<4.02535	60
	8/27/2024	ND<4.02535	60
	2/7/2025	ND<4.02535	60
	7/23/2025	ND<4.02535	60
	1/7/2026	ND<4.02535	60

Rank Sum = 300
Rank Mean = 60

M-24D	1/24/2024	ND<4.02535	60
	8/29/2024	ND<4.02535	60
	2/5/2025	ND<4.02535	60
	7/24/2025	ND<4.02535	60
	1/8/2026	ND<4.02535	60

Rank Sum = 300
Rank Mean = 60

M-7	1/24/2024	ND<4.02535	60
	8/28/2024	ND<4.02535	60
	2/4/2025	4.94164	183
	7/21/2025	4.40672	156
	1/5/2026	ND<4.02535	60

Rank Sum = 519
Rank Mean = 103.8

M-8	1/24/2024	5.24702	195
	8/27/2024	ND<3.09104 J	60
	2/5/2025	ND<4.02535	60
	7/24/2025	ND<4.02535	60
	1/8/2026	ND<3.49651 J	60

Rank Sum = 435
Rank Mean = 87

M-18	1/25/2024	ND<4.02535	60
	8/28/2024	ND<4.02535	60
	2/5/2025	ND<3.21888 J	60
	7/22/2025	ND<4.02535	60
	1/7/2026	ND<4.02535	60

Rank Sum = 300
Rank Mean = 60

M-9S	1/25/2024	ND<4.02535	60
	8/28/2024	ND<4.02535	60
	2/5/2025	ND<4.02535	60
	7/22/2025	ND<4.02535	60
	1/8/2026	ND<4.02535	60

Rank Sum = 300
Rank Mean = 60

M-21	1/22/2024	ND<4.02535	60
	8/27/2024	ND<4.02535	60
	2/4/2025	ND<4.02535	60
	7/21/2025	ND<4.02535	60
	1/7/2026	ND<3.17805 J	60

Rank Sum = 300
Rank Mean = 60

M-19	1/22/2024	5.73657	212
	8/29/2024	ND<3.3322 J	60
	2/3/2025	6.04025	227
	7/23/2025	5.79909	214
	1/6/2026	5.43808	201

Rank Sum = 914
Rank Mean = 182.8

Calculation Results:

Kruskal-Wallis H Statistic = 33.7533
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 36.315
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
33.7533 > 15.5073 indicating a significant group difference at 5% significance level

36.315 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 154.226

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	60	-94.2258	87.514
M-24D	60	-94.2258	87.514
M-7	103.8	-50.4258	87.514
M-8	87	-67.2258	87.514
M-18	60	-94.2258	87.514
M-9S	60	-94.2258	87.514
M-21	60	-94.2258	87.514
M-19	182.8	28.5742	87.514

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 154.226

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	60	-94.2258	94.5032
M-24D	60	-94.2258	94.5032
M-7	103.8	-50.4258	94.5032
M-8	87	-67.2258	94.5032
M-18	60	-94.2258	94.5032
M-9S	60	-94.2258	94.5032
M-21	60	-94.2258	94.5032
M-19	182.8	28.5742	94.5032

Shapiro-Francia Test of Normality

Parameter: Lead, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-6.21461	-2.65209	7.03356	16.4817
2	-6.21461	-2.40892	12.8365	31.4522
3	-6.21461	-2.25713	17.9311	45.4794
4	-0.301105	-2.12007	22.4258	46.1177
5	-0.287682	-2.03352	26.561	46.7027
6	-0.0304592	-1.95996	30.4025	46.7624
7	0	-1.8957	33.9961	46.7624
8	0	-1.82501	37.3268	46.7624
9	0	-1.77438	40.4752	46.7624
10	0	-1.72793	43.4609	46.7624
11	0	-1.67466	46.2654	46.7624
12	0	-1.63524	48.9394	46.7624
13	0	-1.59819	51.4936	46.7624
14	0	-1.56322	53.9373	46.7624
15	0	-1.52203	56.2539	46.7624
16	0	-1.49085	58.4765	46.7624
17	0	-1.46106	60.6112	46.7624
18	0	-1.4325	62.6633	46.7624
19	0	-1.39838	64.6187	46.7624
20	0	-1.3722	66.5017	46.7624
21	0	-1.34694	68.3159	46.7624
22	0	-1.31652	70.0492	46.7624
23	0	-1.29303	71.7211	46.7624
24	0	-1.27024	73.3346	46.7624
25	0	-1.24809	74.8923	46.7624
26	0.182322	-1.22123	76.3837	46.5398
27	0.693147	-1.20036	77.8246	45.7078
28	0.693147	-1.18	79.217	44.8898
29	0.693147	-1.16012	80.5629	44.0857
30	0.693147	-1.1359	81.8531	43.2984
31	0.693147	-1.11699	83.1008	42.5241
32	0.693147	-1.09847	84.3074	41.7627
33	0.693147	-1.07584	85.4648	41.017
34	0.693147	-1.05812	86.5845	40.2836
35	0.693147	-1.04073	87.6676	39.5622
36	0.693147	-1.02365	88.7154	38.8527
37	0.693147	-1.00271	89.7209	38.1576
38	0.693147	-0.986272	90.6936	37.474
39	0.693147	-0.970094	91.6347	36.8016
40	0.693147	-0.954165	92.5451	36.1402
41	0.693147	-0.93459	93.4186	35.4924
42	0.693147	-0.919183	94.2635	34.8553
43	0.693147	-0.903992	95.0807	34.2287
44	0.693147	-0.885291	95.8644	33.615
45	0.693147	-0.87055	96.6223	33.0116
46	0.693147	-0.855996	97.355	32.4183
47	0.693147	-0.841621	98.0633	31.8349

48	0.693147	-0.823893	98.7421	31.2638
49	0.693147	-0.809896	99.3981	30.7025
50	0.693147	-0.796056	100.032	30.1507
51	0.693147	-0.782366	100.644	29.6084
52	0.693147	-0.765456	101.23	29.0778
53	0.693147	-0.752084	101.795	28.5565
54	0.693147	-0.738846	102.341	28.0444
55	0.693147	-0.722479	102.863	27.5436
56	0.693147	-0.709522	103.367	27.0518
57	0.693147	-0.696684	103.852	26.5689
58	0.693147	-0.68396	104.32	26.0948
59	0.693147	-0.668209	104.766	25.6316
60	0.693147	-0.655726	105.196	25.1771
61	0.693147	-0.643345	105.61	24.7312
62	0.693147	-0.631062	106.008	24.2938
63	0.693147	-0.615839	106.388	23.8669
64	0.693147	-0.603765	106.752	23.4484
65	0.693147	-0.591776	107.102	23.0382
66	0.693147	-0.576911	107.435	22.6383
67	0.693147	-0.565108	107.755	22.2466
68	0.693147	-0.553384	108.061	21.863
69	0.693147	-0.541736	108.354	21.4875
70	0.693147	-0.52728	108.632	21.1221
71	0.693147	-0.515791	108.898	20.7645
72	0.693147	-0.504372	109.153	20.4149
73	0.693147	-0.493018	109.396	20.0732
74	0.693147	-0.478914	109.625	19.7412
75	0.693147	-0.467699	109.844	19.4171
76	0.693147	-0.456542	110.052	19.1006
77	0.693147	-0.442676	110.248	18.7938
78	0.693147	-0.431644	110.435	18.4946
79	0.693147	-0.420664	110.612	18.203
80	0.693147	-0.409735	110.78	17.919
81	0.693147	-0.396142	110.936	17.6444
82	0.693147	-0.385321	111.085	17.3773
83	0.693147	-0.374544	111.225	17.1177
84	0.693147	-0.363809	111.358	16.8655
85	0.693147	-0.350451	111.48	16.6226
86	0.693147	-0.33981	111.596	16.3871
87	0.693147	-0.329206	111.704	16.1589
88	0.693147	-0.316004	111.804	15.9399
89	0.693147	-0.305481	111.897	15.7281
90	0.693147	-0.294992	111.984	15.5236
91	0.693147	-0.284535	112.065	15.3264
92	0.693147	-0.271509	112.139	15.1382
93	0.693147	-0.26112	112.207	14.9572
94	0.693147	-0.250759	112.27	14.7834
95	0.693147	-0.240426	112.328	14.6168
96	0.693147	-0.227545	112.38	14.459
97	0.693147	-0.217267	112.427	14.3084
98	0.693147	-0.207012	112.47	14.165
99	0.693147	-0.194225	112.508	14.0303
100	0.693147	-0.184017	112.541	13.9028
101	0.693147	-0.173829	112.572	13.7823
102	0.693147	-0.163659	112.598	13.6688
103	0.693147	-0.150969	112.621	13.5642
104	0.693147	-0.140835	112.641	13.4666

105	0.693147	-0.130716	112.658	13.376
106	0.693147	-0.12061	112.673	13.2924
107	0.693147	-0.107995	112.684	13.2175
108	0.693147	-0.0979139	112.694	13.1496
109	0.693147	-0.0878447	112.702	13.0888
110	0.693147	-0.0752698	112.707	13.0366
111	0.693147	-0.0652187	112.712	12.9914
112	0.693147	-0.0551734	112.715	12.9531
113	0.693147	-0.0451348	112.717	12.9219
114	0.693147	-0.0325917	112.718	12.8993
115	0.693147	-0.0225612	112.718	12.8836
116	0.693147	-0.0125328	112.718	12.8749
117	0.693147	0	112.718	12.8749
118	0.788457	0.0125328	112.719	12.8848
119	0.788457	0.0225612	112.719	12.9026
120	0.788457	0.0325917	112.72	12.9283
121	0.788457	0.0451348	112.722	12.9639
122	0.788457	0.0551734	112.725	13.0074
123	0.788457	0.0652187	112.729	13.0588
124	0.788457	0.0752698	112.735	13.1182
125	0.788457	0.0878447	112.743	13.1874
126	0.788457	0.0979139	112.752	13.2646
127	0.788457	0.107995	112.764	13.3498
128	0.788457	0.12061	112.779	13.4449
129	0.788457	0.130716	112.796	13.5479
130	0.788457	0.140835	112.816	13.659
131	0.788457	0.150969	112.838	13.778
132	0.788457	0.163659	112.865	13.907
133	0.788457	0.173829	112.895	14.0441
134	0.788457	0.184017	112.929	14.1892
135	0.788457	0.194225	112.967	14.3423
136	0.788457	0.207012	113.01	14.5056
137	0.788457	0.217267	113.057	14.6769
138	0.788457	0.227545	113.109	14.8563
139	0.788457	0.240426	113.167	15.0458
140	0.788457	0.250759	113.229	15.2435
141	0.788457	0.26112	113.298	15.4494
142	0.788457	0.271509	113.371	15.6635
143	0.788457	0.284535	113.452	15.8878
144	0.788457	0.294992	113.539	16.1204
145	0.788457	0.305481	113.633	16.3613
146	0.788457	0.316004	113.732	16.6104
147	0.788457	0.329206	113.841	16.87
148	0.788457	0.33981	113.956	17.1379
149	0.788457	0.350451	114.079	17.4143
150	0.788457	0.363809	114.211	17.7011
151	0.788457	0.374544	114.352	17.9964
152	0.788457	0.385321	114.5	18.3002
153	0.788457	0.396142	114.657	18.6126
154	0.788457	0.409735	114.825	18.9356
155	0.788457	0.420664	115.002	19.2673
156	0.788457	0.431644	115.188	19.6076
157	0.788457	0.442676	115.384	19.9567
158	0.788457	0.456542	115.593	20.3166
159	0.788457	0.467699	115.811	20.6854
160	0.788457	0.478914	116.041	21.063
161	0.788457	0.493018	116.284	21.4517

162	0.788457	0.504372	116.538	21.8494
163	0.788457	0.515791	116.804	22.2561
164	0.788457	0.52728	117.082	22.6718
165	0.788457	0.541736	117.376	23.0989
166	0.788457	0.553384	117.682	23.5353
167	0.788457	0.565108	118.001	23.9808
168	0.788457	0.576911	118.334	24.4357
169	0.788457	0.591776	118.684	24.9023
170	0.788457	0.603765	119.049	25.3783
171	0.788457	0.615839	119.428	25.8639
172	0.788457	0.631062	119.826	26.3615
173	0.788457	0.643345	120.24	26.8687
174	0.788457	0.655726	120.67	27.3857
175	0.788457	0.668209	121.117	27.9126
176	0.788457	0.68396	121.585	28.4518
177	0.788457	0.696684	122.07	29.0012
178	0.788457	0.709522	122.573	29.5606
179	0.788457	0.722479	123.095	30.1302
180	0.788457	0.738846	123.641	30.7128
181	0.788457	0.752084	124.207	31.3058
182	0.788457	0.765456	124.793	31.9093
183	0.788457	0.782366	125.405	32.5262
184	0.788457	0.796056	126.039	33.1538
185	0.788457	0.809896	126.695	33.7924
186	0.788457	0.823893	127.373	34.442
187	0.788457	0.841621	128.082	35.1056
188	0.788457	0.855996	128.814	35.7805
189	0.788457	0.87055	129.572	36.4669
190	0.788457	0.885291	130.356	37.1649
191	0.788457	0.903992	131.173	37.8776
192	0.788457	0.919183	132.018	38.6024
193	0.788457	0.93459	132.892	39.3393
194	0.788457	0.954165	133.802	40.0916
195	0.788457	0.970094	134.743	40.8565
196	1.09861	0.986272	135.716	41.94
197	1.09861	1.00271	136.721	43.0416
198	1.09861	1.02365	137.769	44.1662
199	1.09861	1.04073	138.852	45.3095
200	1.09861	1.05812	139.972	46.472
201	1.09861	1.07584	141.129	47.6539
202	1.09861	1.09847	142.336	48.8607
203	1.09861	1.11699	143.584	50.0879
204	1.09861	1.1359	144.874	51.3358
205	1.38629	1.16012	146.22	52.944
206	1.38629	1.18	147.612	54.5799
207	1.38629	1.20036	149.053	56.2439
208	1.38629	1.22123	150.544	57.9369
209	1.60944	1.24809	152.102	59.9456
210	1.60944	1.27024	153.716	61.99
211	1.60944	1.29303	155.388	64.071
212	1.60944	1.31652	157.121	66.1899
213	1.79176	1.34694	158.935	68.6033
214	1.79176	1.3722	160.818	71.062
215	1.79176	1.39838	162.773	73.5675
216	1.79176	1.4325	164.825	76.1342
217	1.94591	1.46106	166.96	78.9773
218	1.94591	1.49085	169.183	81.8784

219	2.07944	1.52203	171.499	85.0433
220	2.07944	1.56322	173.943	88.294
221	2.07944	1.59819	176.497	91.6173
222	2.07944	1.63524	179.171	95.0177
223	2.19722	1.67466	181.976	98.6973
224	2.19722	1.72793	184.962	102.494
225	2.19722	1.77438	188.11	106.393
226	2.19722	1.82501	191.441	110.403
227	2.30259	1.8957	195.034	114.768
228	2.30259	1.95996	198.876	119.281
229	2.3979	2.03352	203.011	124.157
230	2.3979	2.12007	207.506	129.24
231	2.48491	2.25713	212.6	134.849
232	3.21888	2.40892	218.403	142.603
233	4.31749	2.65209	225.437	154.054

Data Set Standard Deviation = 0.974078
Numerator = 23732.5
Denominator = 49625
W Statistic = 0.478237 = 23732.5 / 49625

5% Critical value of 0.976 exceeds 0.478237
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.478237
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Lead, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<0	94
	5/15/1996	0.693147	188
	5/16/1996	2.30259	227
	5/17/1996	1.09861	197
	11/5/1996	ND<0	94
	4/15/1997	ND<0	94
	10/31/1997	0.693147	189
	6/24/1998	ND<0	94
	12/10/1998	1.09861	198
	5/25/1999	1.38629	206
	11/19/1999	ND<0	94
	5/23/2000	1.09861	199
	12/14/2000	ND<0	94
	6/6/2001	ND<0	94
	11/15/2001	ND<0	94
	6/12/2002	ND<0	94
	11/5/2002	1.60944	209
	6/17/2003	ND<0	94
	12/5/2003	ND<0	94
	6/22/2004	ND<0	94
	10/20/2004	0.693147	190
	6/15/2005	ND<0.693147	94
	6/15/2005	ND<0.693147	94
	6/15/2005	ND<0.693147	94
	11/1/2005	ND<0.693147	94
	3/17/2006	1.79176	213
	9/11/2006	ND<0.693147	94
	2/21/2007	0.693147	191
	8/14/2007	1.09861	200
	2/7/2008	ND<0.693147	94
	8/4/2008	ND<0.693147	94
	2/19/2009	ND<0.693147	94
	8/20/2009	ND<0.693147	94
	1/21/2010	ND<0.693147	94
	9/7/2010	ND<0.693147	94
	1/7/2011	ND<0.693147	94
	8/1/2011	ND<0.693147	94
	2/24/2012	ND<0.693147	94
	8/22/2012	ND<0.693147	94
	1/10/2013	ND<0.693147	94
	8/28/2013	ND<0.693147	94
	2/4/2014	ND<0.693147	94
	8/7/2014	ND<0.693147	94
	2/11/2015	ND<0.693147	94
	8/20/2015	ND<0.693147	94
	2/17/2016	ND<0.693147	94

	2/17/2016	ND<0.693147	94
	8/3/2016	ND<0.693147	94
	1/12/2017	ND<0.693147	94
	7/20/2017	ND<0.693147	94
	1/23/2018	ND<0.693147 U	94
	7/12/2018	ND<0.693147	94
	2/13/2019	ND<1.38629	94
	8/16/2019	ND<0.788457	94
	3/17/2020	ND<0.788457	94
	8/25/2020	ND<0.788457	94
	3/16/2021	ND<0.182322 J	94
	7/26/2021	ND<-0.287682 J	94
	3/2/2022	ND<0.788457	94
	9/21/2022	ND<0.788457	94
	3/9/2023	ND<0.788457	94
	7/19/2023	ND<-0.0304592 J	94
	1/23/2024	ND<0.788457	94
	8/26/2024	ND<0.788457	94
	2/3/2025	ND<0.788457	94
	7/22/2025	ND<0.788457	94
	1/6/2026	ND<0.788457	94
Rank Sum = 7577			
Rank Mean = 113.09			
M-17S	5/15/1996	2.30259	228
	11/5/1996	2.19722	223
	4/15/1997	ND<0	94
	10/30/1997	2.19722	224
	6/23/1998	2.19722	225
	12/9/1998	ND<0	94
	5/25/1999	1.94591	217
	11/16/1999	1.60944	210
	5/19/2000	1.60944	211
	12/12/2000	1.60944	212
	6/5/2001	0.693147	192
	11/15/2001	1.38629	207
	6/13/2002	1.09861	201
	11/7/2002	ND<0	94
	6/17/2003	ND<0	94
	12/4/2003	ND<0	94
	6/22/2004	0.693147	193
	10/19/2004	ND<0.693147	94
	6/15/2005	ND<0.693147	94
	6/15/2005	ND<0.693147	94
	6/15/2005	ND<0.693147	94
	11/1/2005	ND<0.693147	94
	3/16/2006	2.07944	219
	9/12/2006	1.94591	218
	2/20/2007	2.48491	231
	8/13/2007	0.693147	194
	2/6/2008	ND<0.693147	94
	8/6/2008	ND<0.693147	94
	2/18/2009	ND<0.693147	94
	8/19/2009	ND<0.693147	94
	1/22/2010	ND<0.693147	94
	9/8/2010	ND<0.693147	94
	1/7/2011	ND<0.693147	94
	8/1/2011	ND<0.693147	94

	2/21/2012	ND<0.693147	94
	8/22/2012	ND<0.693147	94
	1/11/2013	ND<0.693147	94
	8/28/2013	ND<0.693147	94
	2/6/2014	ND<0.693147	94
	8/6/2014	ND<0.693147	94
	2/12/2015	ND<0.693147	94
	8/20/2015	ND<0.693147	94
	2/17/2016	ND<0.693147	94
	2/17/2016	ND<0.693147	94
	8/4/2016	ND<0.693147	94
	1/12/2017	ND<0.693147	94
	7/19/2017	ND<0.693147	94
	1/23/2018	ND<0.693147 U	94
	7/11/2018	ND<0.693147	94
	2/13/2019	ND<0.788457	94
	8/13/2019	ND<0.788457	94
	3/17/2020	ND<0.788457	94
	8/27/2020	ND<0.788457	94
	3/15/2021	ND<0.788457	94
	7/27/2021	4.31749	233
	3/3/2022	ND<0.788457	94
	9/21/2022	ND<0.788457	94
	3/9/2023	ND<-0.301105 J	94
	7/24/2023	ND<0.788457	94
	1/23/2024	2.3979	229
	8/26/2024	ND<0.788457	94
	2/3/2025	ND<0.788457	94
	7/21/2025	ND<0.788457	94
	1/6/2026	ND<0.788457	94
Rank Sum = 8191			
Rank Mean = 127.984			
M-23	12/8/1998	2.3979	230
	12/9/1998	1.79176	214
	12/10/1998	2.19722	226
	12/11/1998	3.21888	232
	5/27/1999	1.09861	202
	5/23/2000	2.07944	220
	11/17/2000	1.79176	215
	12/13/2000	ND<0	94
	6/8/2001	1.79176	216
	11/14/2001	2.07944	221
	6/14/2002	1.09861	203
	11/5/2002	1.09861	204
	6/17/2003	ND<0	94
	12/5/2003	2.07944	222
	6/25/2004	1.09861	205
	10/19/2004	ND<0.693147	94
	6/15/2005	ND<-6.21461	94
	6/15/2005	ND<-6.21461	94
	6/15/2005	ND<-6.21461	94
	11/2/2005	0.693147	195
	3/16/2006	ND<0.693147	94
	9/12/2006	0.693147	196
	2/22/2007	ND<0.693147	94
	8/15/2007	1.38629	208
	2/6/2008	ND<0.693147	94

8/4/2008	ND<0.693147	94
2/18/2009	ND<0.693147	94
8/19/2009	ND<0.693147	94
1/21/2010	ND<0.693147	94
9/7/2010	ND<0.693147	94
1/7/2011	ND<0.693147	94
8/1/2011	ND<0.693147	94
2/21/2012	ND<0.693147	94
8/22/2012	ND<0.693147	94
1/11/2013	ND<0.693147	94
8/29/2013	ND<0.693147	94
2/6/2014	ND<0.693147	94
8/6/2014	ND<0.693147	94
2/10/2015	ND<0.693147	94
8/18/2015	ND<0.693147	94
2/17/2016	ND<0.693147	94
2/17/2016	ND<0.693147	94
8/3/2016	ND<0.693147	94
1/12/2017	ND<0.693147	94
7/19/2017	ND<0.693147	94
1/23/2018	ND<0.693147 U	94
7/11/2018	ND<0.693147	94
2/13/2019	ND<0.788457	94
8/16/2019	ND<0.788457	94
3/17/2020	ND<0.788457	94
8/25/2020	ND<0.788457	94
3/16/2021	ND<0.788457	94
7/26/2021	ND<0.788457	94
3/2/2022	ND<0.788457	94
9/21/2022	ND<0.788457	94
3/9/2023	ND<0.788457	94
7/24/2023	ND<0.788457	94
1/23/2024	ND<0.788457	94
8/26/2024	ND<0.788457	94
2/3/2025	ND<0.788457	94
7/21/2025	ND<0.788457	94
1/6/2026	ND<0.788457	94

Rank Sum = 7733
Rank Mean = 124.726

Background Rank Sum = 23501
Background Rank Mean = 121.767

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.788457	94
	8/27/2024	ND<0.788457	94
	2/7/2025	ND<0.788457	94
	7/23/2025	ND<0.788457	94
	1/7/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

M-24D	1/24/2024	ND<0.788457	94
	8/29/2024	ND<0.788457	94
	2/5/2025	ND<0.788457	94

	7/24/2025	ND<0.788457	94
	1/8/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

M-7	1/24/2024	ND<0.788457	94
	8/28/2024	ND<0.788457	94
	2/4/2025	ND<0.788457	94
	7/21/2025	ND<0.788457	94
	1/5/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

M-8	1/24/2024	ND<0.788457	94
	8/27/2024	ND<0.788457	94
	2/5/2025	ND<0.788457	94
	7/24/2025	ND<0.788457	94
	1/8/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

M-18	1/25/2024	ND<0.788457	94
	8/28/2024	ND<0.788457	94
	2/5/2025	ND<0.788457	94
	7/22/2025	ND<0.788457	94
	1/7/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

M-9S	1/25/2024	ND<0.788457	94
	8/28/2024	ND<0.788457	94
	2/5/2025	ND<0.788457	94
	7/22/2025	ND<0.788457	94
	1/8/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

M-21	1/22/2024	ND<0.788457	94
	8/27/2024	ND<0.788457	94
	2/4/2025	ND<0.788457	94
	7/21/2025	ND<0.788457	94
	1/7/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

M-19	1/22/2024	ND<0.788457	94
	8/29/2024	ND<0.788457	94
	2/3/2025	ND<0.788457	94
	7/23/2025	ND<0.788457	94
	1/6/2026	ND<0.788457	94

Rank Sum = 470
Rank Mean = 94

Calculation Results:

Kruskal-Wallis H Statistic = 5.62243
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 11.6395

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
5.62243 < 15.5073 indicating no significant group difference at 5% significance level
11.6395 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Manganese, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 288

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-4.2687	-2.74777	7.55021	11.7294
2	-4.2687	-2.51213	13.861	22.4529
3	-4.2687	-2.32634	19.2729	32.3834
4	0.693147	-2.22621	24.2289	30.8403
5	0.693147	-2.12007	28.7236	29.3708
6	0.788457	-2.05375	32.9415	27.7515
7	0.832909	-1.97737	36.8515	26.1045
8	0.916291	-1.92684	40.5642	24.339
9	1.02962	-1.86629	44.0472	22.4174
10	1.06471	-1.82501	47.3778	20.4743
11	1.06471	-1.77438	50.5263	18.5851
12	1.06471	-1.7392	53.5511	16.7333
13	1.25276	-1.70604	56.4617	14.5961
14	1.335	-1.66456	59.2324	12.3739
15	1.36098	-1.63524	61.9064	10.1484
16	1.38629	-1.59819	64.4606	7.9328
17	1.38629	-1.57179	66.9312	5.75384
18	1.41099	-1.5382	69.2972	3.58346
19	1.54756	-1.5141	71.5897	1.24028
20	1.60944	-1.48328	73.7899	-1.14696
21	1.60944	-1.46106	75.9245	-3.49845
22	1.60944	-1.4325	77.9766	-5.80397
23	1.60944	-1.41183	79.9699	-8.07623
24	1.60944	-1.38517	81.8886	-10.3056
25	1.60944	-1.36581	83.754	-12.5038
26	1.60944	-1.34694	85.5683	-14.6716
27	1.60944	-1.32251	87.3173	-16.8001
28	1.60944	-1.30469	89.0195	-18.8999
29	1.60944	-1.28155	90.6619	-20.9624
30	1.60944	-1.26464	92.2612	-22.9978
31	1.60944	-1.24264	93.8053	-24.9978
32	1.60944	-1.22653	95.3097	-26.9718
33	1.60944	-1.20553	96.763	-28.912
34	1.60944	-1.19012	98.1794	-30.8274
35	1.60944	-1.17	99.5483	-32.7105
36	1.60944	-1.15522	100.883	-34.5697
37	1.60944	-1.1359	102.173	-36.3979
38	1.60944	-1.12168	103.431	-38.2032
39	1.60944	-1.10768	104.658	-39.9859
40	1.60944	-1.08935	105.845	-41.7391
41	1.60944	-1.07584	107.002	-43.4706
42	1.60944	-1.05812	108.122	-45.1736
43	1.60944	-1.04505	109.214	-46.8556
44	1.60944	-1.02789	110.271	-48.5099
45	1.60944	-1.01522	111.301	-50.1438
46	1.60944	-0.998575	112.298	-51.751
47	1.60944	-0.986272	113.271	-53.3383

48	1.60944	-0.970094	114.212	-54.8996
49	1.72277	-0.958125	115.13	-56.5502
50	1.72277	-0.942375	116.018	-58.1737
51	1.72277	-0.930718	116.885	-59.7771
52	1.72277	-0.919183	117.729	-61.3607
53	1.72277	-0.903992	118.547	-62.9181
54	1.72277	-0.892733	119.344	-64.456
55	1.72277	-0.877897	120.114	-65.9684
56	1.79176	-0.866894	120.866	-67.5217
57	1.79176	-0.852385	121.592	-69.049
58	1.79176	-0.841621	122.301	-70.5569
59	1.79176	-0.827417	122.985	-72.0395
60	1.79176	-0.816874	123.653	-73.5031
61	1.79176	-0.802956	124.297	-74.9418
62	1.80829	-0.792618	124.926	-76.3751
63	1.84055	-0.782366	125.538	-77.8151
64	1.8718	-0.768821	126.129	-79.2542
65	1.94591	-0.758753	126.705	-80.7306
66	1.94591	-0.745449	127.26	-82.1812
67	2.02815	-0.735557	127.801	-83.673
68	2.05412	-0.722479	128.323	-85.1571
69	2.07944	-0.712751	128.831	-86.6392
70	2.07944	-0.699883	129.321	-88.0946
71	2.07944	-0.690309	129.798	-89.53
72	2.17475	-0.677639	130.257	-91.0037
73	2.19722	-0.668209	130.703	-92.4719
74	2.19722	-0.655726	131.133	-93.9127
75	2.19722	-0.646431	131.551	-95.3331
76	2.19722	-0.637192	131.957	-96.7331
77	2.30259	-0.624956	132.348	-98.1721
78	2.30259	-0.615839	132.727	-99.5902
79	2.30259	-0.603765	133.092	-100.98
80	2.30259	-0.594766	133.445	-102.35
81	2.30259	-0.582841	133.785	-103.692
82	2.30259	-0.573953	134.114	-105.014
83	2.3979	-0.56217	134.43	-106.362
84	2.3979	-0.553384	134.737	-107.688
85	2.3979	-0.541736	135.03	-108.988
86	2.48491	-0.533048	135.314	-110.312
87	2.48491	-0.521527	135.586	-111.608
88	2.48491	-0.51293	135.849	-112.883
89	2.56495	-0.504372	136.104	-114.176
90	2.56495	-0.493018	136.347	-115.441
91	2.56495	-0.484544	136.582	-116.684
92	2.56495	-0.473299	136.806	-117.898
93	2.56495	-0.464904	137.022	-119.09
94	2.62467	-0.453763	137.228	-120.281
95	2.63906	-0.445443	137.426	-121.457
96	2.63906	-0.434397	137.615	-122.603
97	2.63906	-0.426148	137.796	-123.728
98	2.63906	-0.415193	137.969	-124.823
99	2.63906	-0.40701	138.134	-125.898
100	2.63906	-0.396142	138.291	-126.943
101	2.63906	-0.388022	138.442	-127.967
102	2.70805	-0.379927	138.586	-128.996
103	2.70805	-0.369171	138.723	-129.996
104	2.70805	-0.361133	138.853	-130.974

105	2.70805	-0.350451	138.976	-131.923
106	2.70805	-0.342466	139.093	-132.85
107	2.70805	-0.331854	139.203	-133.749
108	2.70805	-0.323919	139.308	-134.626
109	2.72785	-0.31337	139.406	-135.481
110	2.77259	-0.305481	139.5	-136.328
111	2.83321	-0.294992	139.587	-137.163
112	2.83321	-0.287147	139.669	-137.977
113	2.83321	-0.276714	139.746	-138.761
114	2.83321	-0.268908	139.818	-139.523
115	2.83321	-0.26112	139.886	-140.263
116	2.83321	-0.250759	139.949	-140.973
117	2.83321	-0.243007	140.008	-141.662
118	2.89037	-0.232693	140.062	-142.334
119	2.89037	-0.224974	140.113	-142.984
120	2.89037	-0.214702	140.159	-143.605
121	2.89037	-0.207012	140.202	-144.203
122	2.93386	-0.196779	140.241	-144.781
123	2.94444	-0.189118	140.276	-145.338
124	2.94444	-0.17892	140.308	-145.864
125	2.94444	-0.171285	140.338	-146.369
126	2.94444	-0.163659	140.364	-146.851
127	2.94444	-0.153505	140.388	-147.303
128	2.94444	-0.1459	140.409	-147.732
129	2.94444	-0.135774	140.428	-148.132
130	2.99573	-0.128189	140.444	-148.516
131	2.99573	-0.118085	140.458	-148.87
132	2.99573	-0.110516	140.47	-149.201
133	2.99573	-0.100433	140.48	-149.502
134	3.02529	-0.0928787	140.489	-149.783
135	3.04452	-0.0828129	140.496	-150.035
136	3.04452	-0.0752698	140.502	-150.264
137	3.04452	-0.0652187	140.506	-150.462
138	3.04452	-0.0576847	140.509	-150.638
139	3.04452	-0.0501541	140.512	-150.791
140	3.08191	-0.0401167	140.513	-150.914
141	3.09104	-0.0325917	140.514	-151.015
142	3.09104	-0.0225612	140.515	-151.085
143	3.09104	-0.0150408	140.515	-151.131
144	3.13549	-0.00501359	140.515	-151.147
145	3.16125	0.00501359	140.515	-151.131
146	3.16125	0.0150408	140.515	-151.084
147	3.17805	0.0225612	140.516	-151.012
148	3.21888	0.0325917	140.517	-150.907
149	3.21888	0.0401167	140.519	-150.778
150	3.21888	0.0501541	140.521	-150.617
151	3.21888	0.0576847	140.524	-150.431
152	3.21888	0.0652187	140.529	-150.221
153	3.21888	0.0752698	140.534	-149.979
154	3.2581	0.0828129	140.541	-149.709
155	3.2581	0.0928787	140.55	-149.406
156	3.2581	0.100433	140.56	-149.079
157	3.29584	0.110516	140.572	-148.715
158	3.29584	0.118085	140.586	-148.326
159	3.32504	0.128189	140.602	-147.899
160	3.3322	0.135774	140.621	-147.447
161	3.3322	0.1459	140.642	-146.961

162	3.3322	0.153505	140.666	-146.449
163	3.39786	0.163659	140.693	-145.893
164	3.39786	0.171285	140.722	-145.311
165	3.4012	0.17892	140.754	-144.703
166	3.43399	0.189118	140.79	-144.053
167	3.49651	0.196779	140.828	-143.365
168	3.52046	0.207012	140.871	-142.636
169	3.52636	0.214702	140.917	-141.879
170	3.52636	0.224974	140.968	-141.086
171	3.53515	0.232693	141.022	-140.263
172	3.55535	0.243007	141.081	-139.399
173	3.58352	0.250759	141.144	-138.501
174	3.58352	0.26112	141.212	-137.565
175	3.61092	0.268908	141.284	-136.594
176	3.61092	0.276714	141.361	-135.595
177	3.63759	0.287147	141.444	-134.55
178	3.63759	0.294992	141.531	-133.477
179	3.63759	0.305481	141.624	-132.366
180	3.64545	0.31337	141.722	-131.224
181	3.66356	0.323919	141.827	-130.037
182	3.68888	0.331854	141.937	-128.813
183	3.70868	0.342466	142.054	-127.543
184	3.73767	0.350451	142.177	-126.233
185	3.73767	0.361133	142.308	-124.883
186	3.78419	0.369171	142.444	-123.486
187	3.78419	0.379927	142.588	-122.048
188	3.80666	0.388022	142.739	-120.571
189	3.82864	0.396142	142.896	-119.055
190	3.82864	0.40701	143.061	-117.496
191	3.82864	0.415193	143.234	-115.907
192	3.85015	0.426148	143.415	-114.266
193	3.91202	0.434397	143.604	-112.566
194	3.91202	0.445443	143.802	-110.824
195	3.93183	0.453763	144.008	-109.04
196	3.95124	0.464904	144.225	-107.203
197	3.97029	0.473299	144.449	-105.324
198	3.97029	0.484544	144.683	-103.4
199	3.98898	0.493018	144.926	-101.433
200	4.12713	0.504372	145.181	-99.3517
201	4.15888	0.51293	145.444	-97.2185
202	4.17439	0.521527	145.716	-95.0414
203	4.17439	0.533048	146	-92.8163
204	4.18965	0.541736	146.293	-90.5466
205	4.21951	0.553384	146.6	-88.2116
206	4.21951	0.56217	146.916	-85.8395
207	4.21951	0.573953	147.245	-83.4177
208	4.23411	0.582841	147.585	-80.9499
209	4.2485	0.594766	147.939	-78.423
210	4.26268	0.603765	148.303	-75.8493
211	4.33073	0.615839	148.682	-73.1823
212	4.34381	0.624956	149.073	-70.4676
213	4.36945	0.637192	149.479	-67.6834
214	4.38203	0.646431	149.897	-64.8508
215	4.40672	0.655726	150.327	-61.9612
216	4.41884	0.668209	150.773	-59.0085
217	4.43082	0.677639	151.233	-56.006
218	4.44265	0.690309	151.709	-52.9392

219	4.51086	0.699883	152.199	-49.7821
220	4.54329	0.712751	152.707	-46.5438
221	4.63473	0.722479	153.229	-43.1954
222	4.70048	0.735557	153.77	-39.7379
223	4.82831	0.745449	154.326	-36.1386
224	4.86753	0.758753	154.901	-32.4454
225	4.8828	0.768821	155.492	-28.6914
226	4.8828	0.782366	156.105	-24.8712
227	4.91265	0.792618	156.733	-20.9774
228	4.91265	0.802956	157.378	-17.0327
229	4.91265	0.816874	158.045	-13.0197
230	4.91998	0.827417	158.729	-8.94883
231	4.91998	0.841621	159.438	-4.80807
232	4.91998	0.852385	160.164	-0.614347
233	4.94164	0.866894	160.916	3.66953
234	4.94164	0.877897	161.687	8.00778
235	4.94164	0.892733	162.483	12.4194
236	4.94876	0.903992	163.301	16.893
237	4.96284	0.919183	164.146	21.4548
238	4.96981	0.930718	165.012	26.0802
239	5.01064	0.942375	165.9	30.8021
240	5.01064	0.958125	166.818	35.603
241	5.01064	0.970094	167.759	40.4638
242	5.01064	0.986272	168.732	45.4056
243	5.02388	0.998575	169.729	50.4223
244	5.07517	1.01522	170.76	55.5747
245	5.07517	1.02789	171.816	60.7915
246	5.07517	1.04505	172.908	66.0953
247	5.07517	1.05812	174.028	71.4654
248	5.0814	1.07584	175.185	76.9322
249	5.09375	1.08935	176.372	82.4811
250	5.09987	1.10768	177.599	88.1301
251	5.11199	1.12168	178.857	93.8641
252	5.14166	1.1359	180.147	99.7045
253	5.24702	1.15522	181.482	105.766
254	5.35659	1.17	182.851	112.033
255	5.36129	1.19012	184.267	118.414
256	5.37064	1.20553	185.72	124.888
257	5.43808	1.22653	187.225	131.558
258	5.46806	1.24264	188.769	138.353
259	5.52146	1.26464	190.368	145.336
260	5.59842	1.28155	192.011	152.51
261	5.60212	1.30469	193.713	159.819
262	5.61677	1.32251	195.462	167.248
263	5.63479	1.34694	197.276	174.837
264	5.66988	1.36581	199.142	182.581
265	5.76519	1.38517	201.06	190.567
266	5.78996	1.41183	203.054	198.741
267	5.84064	1.4325	205.106	207.108
268	5.8522	1.46106	207.24	215.659
269	5.94017	1.48328	209.44	224.47
270	5.96615	1.5141	211.733	233.503
271	5.97635	1.5382	214.099	242.696
272	6.17379	1.57179	216.57	252.4
273	6.18002	1.59819	219.124	262.276
274	6.19848	1.63524	221.798	272.412
275	6.21461	1.66456	224.568	282.757

276	6.27288	1.70604	227.479	293.459
277	6.40853	1.7392	230.504	304.605
278	6.44572	1.77438	233.652	316.042
279	6.46147	1.82501	236.983	327.834
280	6.46925	1.86629	240.466	339.907
281	6.46925	1.92684	244.179	352.373
282	6.47235	1.97737	248.089	365.171
283	6.49224	2.05375	252.307	378.504
284	6.60665	2.12007	256.801	392.511
285	6.96602	2.22621	261.757	408.019
286	7.00307	2.32634	267.169	424.31
287	7.49554	2.51213	273.48	443.14
288	7.81601	2.74777	281.03	464.617

Data Set Standard Deviation = 1.69145
Numerator = 215869
Denominator = 230756
W Statistic = 0.935483 = 215869 / 230756

5% Critical value of 0.976 exceeds 0.935483
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.935483
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Manganese, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	3.78419	186
	5/14/1996	3.58352	173
	5/15/1996	3.91202	193
	5/15/1996	3.52636	169
	5/16/1996	3.85015	192
	5/16/1996	3.66356	181
	5/17/1996	4.21951	205
	5/17/1996	3.68888	182
	11/5/1996	ND<1.60944	22.5
	11/5/1996	ND<1.60944	22.5
	4/15/1997	3.32504	159
	4/15/1997	ND<1.60944	22.5
	10/31/1997	3.52636	170
	10/31/1997	2.48491	86
	6/24/1998	2.63906	95
	6/24/1998	ND<1.60944	22.5
	12/10/1998	3.55535	172
	12/10/1998	ND<1.60944	22.5
	5/25/1999	3.63759	177
	5/25/1999	3.04452	135
	11/19/1999	2.83321	111
	11/19/1999	ND<1.60944	22.5
	5/23/2000	3.21888	148
	5/23/2000	ND<1.60944	22.5
	12/14/2000	2.63906	96
	12/14/2000	1.79176	56
	6/6/2001	2.30259	77
	6/6/2001	ND<1.60944	22.5
	11/15/2001	2.3979	83
	11/15/2001	ND<1.60944	22.5
	6/12/2002	ND<1.60944	22.5
	6/12/2002	ND<1.60944	22.5
	11/5/2002	3.09104	141
	11/5/2002	3.04452	136
	6/17/2003	3.3322	160
	6/17/2003	2.83321	112
	12/5/2003	ND<1.60944	22.5
	12/5/2003	ND<1.60944	22.5
	6/22/2004	1.79176	57
	6/22/2004	ND<1.60944	22.5
	10/20/2004	2.83321	113
	10/20/2004	2.07944	69
	6/15/2005	2.19722	73
	6/15/2005	2.19722	74
	6/15/2005	2.19722	75
	11/1/2005	ND<1.60944	22.5

	3/17/2006	5.78996	266
	9/11/2006	2.83321	114
	2/21/2007	4.26268	210
	8/14/2007	4.94876	236
	2/7/2008	2.30259	78
	8/4/2008	1.38629	51
	2/19/2009	2.94444	123
	8/20/2009	3.21888	149
	1/21/2010	1.60944	53
	9/7/2010	1.60944	54
	1/7/2011	4.41884	216
	8/1/2011	4.33073	211
	2/24/2012	3.98898	199
	8/22/2012	1.06471	48
	1/10/2013	4.8828	225
	8/28/2013	4.91265	227
	2/4/2014	5.01064	239
	8/7/2014	3.97029	197
	2/11/2015	5.09375	249
	8/20/2015	5.07517	244
	2/17/2016	3.39786	163
	2/17/2016	3.39786	164
	8/3/2016	4.91998	230
	1/12/2017	5.0814	248
	7/20/2017	4.43082	217
	1/23/2018	5.01064	240
	7/12/2018	2.56495	89
	2/13/2019	3.82864	189
	8/16/2019	5.07517	245
	3/17/2020	4.15888	201
	8/25/2020	4.94164	233
	3/16/2021	4.51086	219
	7/26/2021	4.86753	224
	3/2/2022	6.17379	272
	9/21/2022	4.70048	222
	3/9/2023	5.94017	269
	7/19/2023	5.66988	264
	1/23/2024	3.49651	167
	8/26/2024	4.17439	202
	2/3/2025	2.94444	124
	7/22/2025	5.96615	270
	1/6/2026	4.54329	220
Rank Sum = 12454.5			
Rank Mean = 141.528			
M-17S	5/15/1996	2.89037	118
	5/15/1996	2.89037	119
	11/5/1996	3.82864	190
	11/5/1996	ND<1.60944	22.5
	4/15/1997	ND<1.60944	22.5
	4/15/1997	ND<1.60944	22.5
	10/30/1997	2.63906	97
	10/30/1997	2.30259	79
	6/23/1998	3.21888	150
	6/23/1998	ND<1.60944	22.5
	12/9/1998	2.63906	98
	12/9/1998	ND<1.60944	22.5
	5/25/1999	4.21951	206

5/25/1999	3.73767	184
11/16/1999	3.82864	191
11/16/1999	ND<1.60944	22.5
5/19/2000	2.94444	125
5/19/2000	ND<1.60944	22.5
12/12/2000	3.29584	157
12/12/2000	1.79176	58
6/5/2001	3.04452	137
6/5/2001	ND<1.60944	22.5
11/15/2001	2.89037	120
11/15/2001	2.07944	70
6/13/2002	3.61092	175
6/13/2002	2.30259	80
11/7/2002	2.48491	87
11/7/2002	ND<1.60944	22.5
6/17/2003	2.83321	115
6/17/2003	ND<1.60944	22.5
12/4/2003	2.30259	81
12/4/2003	1.60944	55
6/22/2004	3.63759	178
6/22/2004	2.48491	88
10/19/2004	4.17439	203
10/19/2004	2.70805	102
6/15/2005	1.79176	59
6/15/2005	1.79176	60
6/15/2005	1.79176	61
11/1/2005	2.07944	71
3/16/2006	4.96284	237
9/12/2006	4.82831	223
2/20/2007	5.14166	252
8/13/2007	3.63759	179
2/6/2008	3.13549	144
8/6/2008	3.04452	138
2/18/2009	1.38629	52
8/19/2009	4.91998	231
1/22/2010	5.35659	254
9/8/2010	ND<0.693147	22.5
1/7/2011	5.09987	250
8/1/2011	5.02388	243
2/21/2012	4.63473	221
8/22/2012	2.05412	68
1/11/2013	5.8522	268
8/28/2013	1.06471	49
2/6/2014	5.37064	256
8/6/2014	3.70868	183
2/12/2015	4.91265	228
8/20/2015	5.97635	271
2/17/2016	6.46925	280
2/17/2016	6.46925	281
8/4/2016	5.61677	262
1/12/2017	5.46806	258
7/19/2017	6.46147	279
1/23/2018	6.49224	283
7/11/2018	3.93183	195
2/13/2019	ND<1.02962 J	22.5
8/13/2019	4.94164	234
3/17/2020	2.83321	116

	8/27/2020	ND<0.916291 J	22.5
	3/15/2021	3.95124	196
	7/27/2021	7.49554	287
	3/3/2022	3.21888	151
	9/21/2022	5.43808	257
	3/9/2023	6.27288	276
	7/24/2023	5.52146	259
	1/23/2024	7.00307	286
	8/26/2024	3.2581	154
	2/3/2025	5.24702	253
	7/21/2025	5.59842	260
	1/6/2026	4.34381	212
Rank Sum = 12332.5			
Rank Mean = 150.396			
M-23	12/8/1998	6.44572	278
	12/8/1998	6.60665	284
	12/9/1998	6.19848	274
	12/9/1998	3.97029	198
	12/10/1998	6.40853	277
	12/10/1998	4.18965	204
	12/11/1998	7.81601	288
	12/11/1998	5.11199	251
	5/27/1999	5.60212	261
	5/27/1999	4.38203	214
	5/23/2000	6.21461	275
	5/23/2000	3.78419	187
	11/17/2000	6.47235	282
	11/17/2000	4.91998	232
	12/13/2000	ND<1.60944	22.5
	12/13/2000	1.94591	65
	6/8/2001	6.18002	273
	6/8/2001	2.99573	130
	11/14/2001	5.84064	267
	11/14/2001	2.3979	84
	6/14/2002	4.8828	226
	6/14/2002	2.94444	126
	11/5/2002	4.91265	229
	11/5/2002	2.3979	85
	6/17/2003	4.36945	213
	6/17/2003	3.09104	142
	12/5/2003	5.76519	265
	12/5/2003	3.2581	155
	6/25/2004	4.96981	238
	6/25/2004	2.94444	127
	10/19/2004	3.58352	174
	10/19/2004	4.2485	209
	6/15/2005	-4.2687	45
	6/15/2005	-4.2687	46
	6/15/2005	-4.2687	47
	11/2/2005	1.94591	66
	3/16/2006	3.3322	161
	9/12/2006	4.44265	218
	2/22/2007	4.40672	215
	8/15/2007	5.36129	255
	2/6/2008	2.99573	131
	8/4/2008	6.96602	285
	2/18/2009	2.70805	103

8/19/2009	2.56495	90
1/21/2010	2.63906	99
9/7/2010	3.80666	188
1/7/2011	2.19722	76
8/1/2011	2.70805	104
2/21/2012	2.70805	105
8/22/2012	2.99573	132
1/11/2013	1.36098	50
8/29/2013	2.72785	109
2/6/2014	3.08191	140
8/6/2014	2.93386	122
2/10/2015	3.53515	171
8/18/2015	2.62467	94
2/17/2016	3.16125	145
2/17/2016	3.16125	146
8/3/2016	3.02529	134
1/12/2017	3.64545	180
7/19/2017	3.52046	168
1/23/2018	2.94444	128
7/11/2018	3.43399	166
2/13/2019	2.70805	106
8/16/2019	2.63906	100
3/17/2020	2.02815	67
8/25/2020	4.12713	200
3/16/2021	2.17475	72
7/26/2021	2.30259	82
3/2/2022	2.63906	101
9/21/2022	2.70805	107
3/9/2023	1.84055	63
7/24/2023	3.29584	158
1/23/2024	2.83321	117
8/26/2024	2.70805	108
2/3/2025	5.63479	263
7/21/2025	3.2581	156
1/6/2026	3.21888	152

Rank Sum = 12506.5
Rank Mean = 160.34

Background Rank Sum = 37293.5
Background Rank Mean = 150.377

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	2.56495	91
	8/27/2024	2.89037	121
	2/7/2025	3.04452	139
	7/23/2025	2.77259	110
	1/7/2026	3.61092	176

Rank Sum = 637
Rank Mean = 127.4

M-24D	1/24/2024	4.94164	235
	8/29/2024	5.01064	241
	2/5/2025	5.07517	246
	7/24/2025	5.07517	247
	1/8/2026	5.01064	242

Rank Sum = 1211
Rank Mean = 242.2

M-7	1/24/2024	ND<1.72277	22.5
	8/28/2024	ND<1.72277	22.5
	2/4/2025	2.56495	92
	7/21/2025	2.56495	93
	1/5/2026	ND<1.72277	22.5

Rank Sum = 252.5
Rank Mean = 50.5

M-8	1/24/2024	3.21888	153
	8/27/2024	ND<0.832909 J	22.5
	2/5/2025	ND<1.72277	22.5
	7/24/2025	ND<0.788457 J	22.5
	1/8/2026	ND<1.41099 J	22.5

Rank Sum = 243
Rank Mean = 48.6

M-18	1/25/2024	ND<1.72277	22.5
	8/28/2024	ND<1.72277	22.5
	2/5/2025	ND<1.25276 J	22.5
	7/22/2025	ND<0.693147 J	22.5
	1/7/2026	ND<1.72277	22.5

Rank Sum = 112.5
Rank Mean = 22.5

M-9S	1/25/2024	3.3322	162
	8/28/2024	4.23411	208
	2/5/2025	4.21951	207
	7/22/2025	3.91202	194
	1/8/2026	3.73767	185

Rank Sum = 956
Rank Mean = 191.2

M-21	1/22/2024	2.94444	129
	8/27/2024	3.09104	143
	2/4/2025	3.17805	147
	7/21/2025	3.4012	165
	1/7/2026	2.99573	133

Rank Sum = 717
Rank Mean = 143.4

M-19	1/22/2024	ND<1.06471 J	22.5
	8/29/2024	1.8718	64
	2/3/2025	1.80829	62
	7/23/2025	ND<1.54756 J	22.5
	1/6/2026	ND<1.335 J	22.5

Rank Sum = 193.5
Rank Mean = 38.7

Calculation Results:

Kruskal-Wallis H Statistic = 41.698
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 41.8471
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
41.698 > 15.5073 indicating a significant group difference at 5% significance level

41.8471 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 150.377

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	127.4	-22.977	87.514
M-24D	**242.2**	**91.823**	**87.514**
M-7	50.5	-99.877	87.514
M-8	48.6	-101.777	87.514
M-18	22.5	-127.877	87.514
M-9S	191.2	40.823	87.514
M-21	143.4	-6.97702	87.514
M-19	38.7	-111.677	87.514

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 150.377

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	127.4	-22.977	94.5032
M-24D	242.2	91.823	94.5032
M-7	50.5	-99.877	94.5032
M-8	48.6	-101.777	94.5032
M-18	22.5	-127.877	94.5032
M-9S	191.2	40.823	94.5032
M-21	143.4	-6.97702	94.5032
M-19	38.7	-111.677	94.5032

Shapiro-Francia Test of Normality

Parameter: Mercury, Total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 230

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-8.51719	-2.65209	7.03356	22.5883
2	-8.51719	-2.40892	12.8365	43.1056
3	-8.51719	-2.25713	17.9311	62.33
4	-1.66073	-2.12007	22.4258	65.8509
5	-1.60944	-2.03352	26.561	69.1237
6	-1.60944	-1.95996	30.4025	72.2781
7	-1.60944	-1.88079	33.9398	75.3052
8	-1.60944	-1.82501	37.2705	78.2424
9	-1.60944	-1.77438	40.4189	81.0981
10	-1.60944	-1.71688	43.3666	83.8614
11	-1.60944	-1.67466	46.1711	86.5566
12	-1.60944	-1.63524	48.8451	89.1884
13	-1.60944	-1.58927	51.3708	91.7463
14	-1.60944	-1.55477	53.7882	94.2486
15	-1.60944	-1.52203	56.1048	96.6982
16	-1.60944	-1.48328	58.3049	99.0854
17	-1.60944	-1.4538	60.4184	101.425
18	-1.60944	-1.42554	62.4506	103.72
19	-1.60944	-1.39175	64.3876	105.959
20	-1.60944	-1.36581	66.253	108.158
21	-1.60944	-1.34075	68.0506	110.316
22	-1.60944	-1.31058	69.7682	112.425
23	-1.60944	-1.28727	71.4253	114.497
24	-1.60944	-1.26464	73.0246	116.532
25	-1.60944	-1.23724	74.5554	118.523
26	-1.60944	-1.21596	76.0339	120.48
27	-1.60944	-1.19522	77.4625	122.404
28	-1.60944	-1.17	78.8314	124.287
29	-1.60944	-1.15035	80.1547	126.138
30	-1.60944	-1.13113	81.4341	127.959
31	-1.60944	-1.10768	82.6611	129.742
32	-1.60944	-1.08935	83.8478	131.495
33	-1.60944	-1.07138	84.9956	133.219
34	-1.60944	-1.04939	86.0968	134.908
35	-1.60944	-1.03215	87.1622	136.569
36	-1.60944	-1.01522	88.1929	138.203
37	-1.60944	-0.994457	89.1818	139.804
38	-1.60944	-0.97815	90.1386	141.378
39	-1.60944	-0.9621	91.0642	142.926
40	-1.60944	-0.942375	91.9523	144.443
41	-1.60944	-0.926859	92.8114	145.935
42	-1.60944	-0.911562	93.6423	147.402
43	-1.60944	-0.892733	94.4393	148.839
44	-1.60944	-0.877897	95.21	150.252
45	-1.60944	-0.863249	95.9552	151.641
46	-1.60944	-0.845198	96.6695	153.001
47	-1.60944	-0.830953	97.36	154.339

48	-1.60944	-0.816874	98.0273	155.653
49	-1.60944	-0.7995	98.6665	156.94
50	-1.60944	-0.785774	99.2839	158.205
51	-1.60944	-0.772193	99.8802	159.448
52	-1.60944	-0.755415	100.451	160.663
53	-1.60944	-0.742143	101.002	161.858
54	-1.60944	-0.729003	101.533	163.031
55	-1.60944	-0.712751	102.041	164.178
56	-1.60944	-0.699883	102.531	165.305
57	-1.60944	-0.687131	103.003	166.411
58	-1.60944	-0.671346	103.454	167.491
59	-1.60944	-0.658838	103.888	168.551
60	-1.60944	-0.646431	104.306	169.592
61	-1.60944	-0.631062	104.704	170.607
62	-1.60944	-0.618872	105.087	171.603
63	-1.60944	-0.606775	105.455	172.58
64	-1.60944	-0.591776	105.805	173.532
65	-1.60944	-0.579873	106.142	174.466
66	-1.60944	-0.568052	106.464	175.38
67	-1.60944	-0.553384	106.771	176.271
68	-1.60944	-0.541736	107.064	177.142
69	-1.60944	-0.530162	107.345	177.996
70	-1.60944	-0.515791	107.611	178.826
71	-1.60944	-0.504372	107.866	179.638
72	-1.60944	-0.493018	108.109	180.431
73	-1.60944	-0.478914	108.338	181.202
74	-1.60944	-0.467699	108.557	181.955
75	-1.60944	-0.456542	108.765	182.689
76	-1.60944	-0.442676	108.961	183.402
77	-1.60944	-0.431644	109.147	184.097
78	-1.60944	-0.420664	109.324	184.774
79	-1.60944	-0.409735	109.492	185.433
80	-1.60944	-0.396142	109.649	186.071
81	-1.60944	-0.385321	109.798	186.691
82	-1.60944	-0.374544	109.938	187.294
83	-1.60944	-0.361133	110.068	187.875
84	-1.60944	-0.350451	110.191	188.439
85	-1.60944	-0.33981	110.307	188.986
86	-1.60944	-0.326561	110.413	189.511
87	-1.60944	-0.316004	110.513	190.02
88	-1.60944	-0.305481	110.606	190.512
89	-1.60944	-0.292375	110.692	190.982
90	-1.60944	-0.281926	110.771	191.436
91	-1.60944	-0.271509	110.845	191.873
92	-1.60944	-0.258527	110.912	192.289
93	-1.60944	-0.248174	110.974	192.688
94	-1.60944	-0.237847	111.03	193.071
95	-1.60944	-0.224974	111.081	193.433
96	-1.60944	-0.214702	111.127	193.779
97	-1.60944	-0.204452	111.169	194.108
98	-1.60944	-0.191671	111.205	194.416
99	-1.60944	-0.181468	111.238	194.708
100	-1.60944	-0.171285	111.268	194.984
101	-1.60944	-0.158579	111.293	195.239
102	-1.60944	-0.148434	111.315	195.478
103	-1.60944	-0.138305	111.334	195.701
104	-1.60944	-0.125661	111.35	195.903

105	-1.60944	-0.115562	111.363	196.089
106	-1.60944	-0.105474	111.374	196.259
107	-1.60944	-0.0928787	111.383	196.408
108	-1.60944	-0.0828129	111.39	196.541
109	-1.60944	-0.0727562	111.395	196.659
110	-1.60944	-0.0601949	111.399	196.755
111	-1.60944	-0.0501541	111.401	196.836
112	-1.60944	-0.0401167	111.403	196.901
113	-1.60944	-0.0275759	111.403	196.945
114	-1.60944	-0.0175476	111.404	196.973
115	-1.60944	-0.00751925	111.404	196.985
116	-1.60944	0.00751925	111.404	196.973
117	-1.60944	0.0175476	111.404	196.945
118	-1.60944	0.0275759	111.405	196.901
119	-1.60944	0.0401167	111.407	196.836
120	-1.60944	0.0501541	111.409	196.755
121	-1.60944	0.0601949	111.413	196.659
122	-1.60944	0.0727562	111.418	196.541
123	-1.60944	0.0828129	111.425	196.408
124	-1.60944	0.0928787	111.434	196.259
125	-1.60944	0.105474	111.445	196.089
126	-1.60944	0.115562	111.458	195.903
127	-1.60944	0.125661	111.474	195.701
128	-1.60944	0.138305	111.493	195.478
129	-1.60944	0.148434	111.515	195.239
130	-1.60944	0.158579	111.54	194.984
131	-1.60944	0.171285	111.569	194.708
132	-1.60944	0.181468	111.602	194.416
133	-1.60944	0.191671	111.639	194.108
134	-1.60944	0.204452	111.681	193.779
135	-1.60944	0.214702	111.727	193.433
136	-1.60944	0.224974	111.778	193.071
137	-1.60944	0.237847	111.834	192.688
138	-1.60944	0.248174	111.896	192.289
139	-1.60944	0.258527	111.963	191.873
140	-1.60944	0.271509	112.036	191.436
141	-1.60944	0.281926	112.116	190.982
142	-1.60944	0.292375	112.201	190.512
143	-1.60944	0.305481	112.295	190.02
144	-1.60944	0.316004	112.394	189.511
145	-1.60944	0.326561	112.501	188.986
146	-1.56065	0.33981	112.617	188.455
147	-1.20397	0.350451	112.739	188.033
148	-0.693147	0.361133	112.87	187.783
149	-0.693147	0.374544	113.01	187.524
150	-0.693147	0.385321	113.159	187.256
151	-0.693147	0.396142	113.315	186.982
152	-0.693147	0.409735	113.483	186.698
153	-0.693147	0.420664	113.66	186.406
154	-0.693147	0.431644	113.847	186.107
155	-0.693147	0.442676	114.043	185.8
156	-0.693147	0.456542	114.251	185.484
157	-0.693147	0.467699	114.47	185.16
158	-0.693147	0.478914	114.699	184.828
159	-0.693147	0.493018	114.942	184.486
160	-0.693147	0.504372	115.197	184.136
161	-0.693147	0.515791	115.463	183.779

162	-0.693147	0.530162	115.744	183.411
163	-0.693147	0.541736	116.037	183.036
164	-0.693147	0.553384	116.343	182.652
165	-0.693147	0.568052	116.666	182.258
166	-0.693147	0.579873	117.002	181.857
167	-0.693147	0.591776	117.353	181.446
168	-0.693147	0.606775	117.721	181.026
169	-0.693147	0.618872	118.104	180.597
170	-0.693147	0.631062	118.502	180.159
171	-0.693147	0.646431	118.92	179.711
172	-0.693147	0.658838	119.354	179.255
173	-0.693147	0.671346	119.805	178.789
174	-0.693147	0.687131	120.277	178.313
175	-0.693147	0.699883	120.767	177.828
176	-0.693147	0.712751	121.275	177.334
177	-0.693147	0.729003	121.806	176.829
178	-0.693147	0.742143	122.357	176.314
179	-0.693147	0.755415	122.928	175.791
180	-0.693147	0.772193	123.524	175.255
181	-0.693147	0.785774	124.141	174.711
182	-0.693147	0.7995	124.78	174.156
183	-0.693147	0.816874	125.448	173.59
184	-0.693147	0.830953	126.138	173.014
185	-0.693147	0.845198	126.853	172.428
186	-0.693147	0.863249	127.598	171.83
187	-0.693147	0.877897	128.368	171.222
188	-0.693147	0.892733	129.165	170.603
189	-0.693147	0.911562	129.996	169.971
190	-0.693147	0.926859	130.855	169.328
191	-0.693147	0.942375	131.744	168.675
192	-0.693147	0.9621	132.669	168.008
193	-0.693147	0.97815	133.626	167.33
194	-0.693147	0.994457	134.615	166.641
195	-0.693147	1.01522	135.646	165.937
196	-0.693147	1.03215	136.711	165.222
197	-0.693147	1.04939	137.812	164.495
198	-0.693147	1.07138	138.96	163.752
199	-0.693147	1.08935	140.147	162.997
200	-0.693147	1.10768	141.374	162.229
201	-0.693147	1.13113	142.653	161.445
202	-0.693147	1.15035	143.976	160.648
203	-0.693147	1.17	145.345	159.837
204	-0.693147	1.19522	146.774	159.008
205	-0.693147	1.21596	148.252	158.165
206	-0.693147	1.23724	149.783	157.308
207	-0.693147	1.26464	151.382	156.431
208	-0.693147	1.28727	153.04	155.539
209	-0.693147	1.31058	154.757	154.631
210	-0.693147	1.34075	156.555	153.701
211	-0.693147	1.36581	158.42	152.754
212	-0.693147	1.39175	160.357	151.79
213	-0.693147	1.42554	162.389	150.802
214	-0.693147	1.4538	164.503	149.794
215	-0.693147	1.48328	166.703	148.766
216	-0.693147	1.52203	169.02	147.711
217	-0.693147	1.55477	171.437	146.633
218	-0.693147	1.58927	173.963	145.532

219	-0.693147	1.63524	176.637	144.398
220	-0.693147	1.67466	179.441	143.237
221	-0.693147	1.71688	182.389	142.047
222	-0.693147	1.77438	185.537	140.817
223	-0.693147	1.82501	188.868	139.552
224	-0.693147	1.88079	192.405	138.249
225	-0.693147	1.95996	196.247	136.89
226	0.832909	2.03352	200.382	138.584
227	0.875469	2.12007	204.877	140.44
228	0.916291	2.25713	209.971	142.508
229	0.916291	2.40892	215.774	144.715
230	0.955511	2.65209	222.808	147.25

Data Set Standard Deviation = 0.986032
Numerator = 21682.4
Denominator = 49607.5
W Statistic = 0.437079 = 21682.4 / 49607.5

5% Critical value of 0.976 exceeds 0.437079
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.437079
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Mercury, Total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<-1.60944	112.5
	5/15/1996	ND<-1.60944	112.5
	5/16/1996	ND<-1.60944	112.5
	5/17/1996	ND<-1.60944	112.5
	11/5/1996	ND<-1.60944	112.5
	4/15/1997	ND<-1.60944	112.5
	10/31/1997	ND<-1.60944	112.5
	6/24/1998	ND<-1.60944	112.5
	12/10/1998	ND<-1.60944	112.5
	5/25/1999	ND<-1.60944	112.5
	11/19/1999	ND<-1.60944	112.5
	5/23/2000	ND<-1.60944	112.5
	12/14/2000	ND<-1.60944	112.5
	6/6/2001	ND<-1.60944	112.5
	11/15/2001	ND<-1.60944	112.5
	6/12/2002	ND<-1.60944	112.5
	11/5/2002	ND<-1.60944	112.5
	6/17/2003	ND<-1.60944	112.5
	12/5/2003	ND<-1.60944	112.5
	6/22/2004	ND<-1.60944	112.5
	10/20/2004	ND<-1.60944	112.5
	6/15/2005	ND<-1.60944	112.5
	6/15/2005	ND<-1.60944	112.5
	6/15/2005	ND<-1.60944	112.5
	11/1/2005	ND<-1.60944	112.5
	3/17/2006	ND<-1.60944	112.5
	9/11/2006	ND<-1.60944	112.5
	2/21/2007	ND<-1.60944	112.5
	8/14/2007	ND<-1.60944	112.5
	2/7/2008	ND<-1.60944	112.5
	8/4/2008	ND<-1.60944	112.5
	2/19/2009	ND<-1.60944	112.5
	8/20/2009	ND<-1.60944	112.5
	1/21/2010	ND<-1.60944	112.5
	9/7/2010	ND<-1.60944	112.5
	1/7/2011	ND<-1.60944	112.5
	8/1/2011	ND<-1.60944	112.5
	2/24/2012	ND<-1.60944	112.5
	8/22/2012	ND<-1.60944	112.5
	1/10/2013	ND<-1.60944	112.5
	8/28/2013	ND<-1.60944	112.5
	2/4/2014	ND<-1.60944	112.5
	8/7/2014	ND<-1.60944	112.5
	2/11/2015	ND<-1.60944	112.5
	8/20/2015	ND<-1.60944	112.5
	2/17/2016	ND<-1.60944	112.5

	8/3/2016	ND<-1.60944	112.5
	1/12/2017	ND<-1.60944	112.5
	7/20/2017	ND<-1.60944	112.5
	1/23/2018	ND<-1.60944 U	112.5
	7/12/2018	ND<-1.60944	112.5
	2/13/2019	ND<-0.693147	112.5
	8/16/2019	ND<-0.693147	112.5
	3/17/2020	ND<-0.693147	112.5
	8/25/2020	ND<-0.693147	112.5
	3/16/2021	ND<-0.693147	112.5
	7/26/2021	ND<-0.693147	112.5
	3/2/2022	ND<-0.693147	112.5
	9/21/2022	ND<-0.693147	112.5
	3/9/2023	ND<-0.693147	112.5
	7/19/2023	ND<-0.693147	112.5
	1/23/2024	ND<-0.693147	112.5
	8/26/2024	ND<-0.693147	112.5
	2/3/2025	ND<-0.693147	112.5
	7/22/2025	ND<-0.693147	112.5
	1/6/2026	ND<-0.693147	112.5
Rank Sum = 7425			
Rank Mean = 112.5			
M-17S	5/15/1996	ND<-1.60944	112.5
	11/5/1996	ND<-1.60944	112.5
	4/15/1997	ND<-1.60944	112.5
	10/30/1997	ND<-1.60944	112.5
	6/23/1998	ND<-1.60944	112.5
	12/9/1998	ND<-1.60944	112.5
	5/25/1999	ND<-1.60944	112.5
	11/16/1999	ND<-1.60944	112.5
	5/19/2000	ND<-1.60944	112.5
	12/12/2000	ND<-1.60944	112.5
	6/5/2001	ND<-1.60944	112.5
	11/15/2001	ND<-1.60944	112.5
	6/13/2002	ND<-1.60944	112.5
	11/7/2002	ND<-1.60944	112.5
	6/17/2003	ND<-1.60944	112.5
	12/4/2003	ND<-1.60944	112.5
	6/22/2004	ND<-1.60944	112.5
	10/19/2004	ND<-1.60944	112.5
	6/15/2005	ND<-1.60944	112.5
	6/15/2005	ND<-1.60944	112.5
	6/15/2005	ND<-1.60944	112.5
	11/1/2005	ND<-1.60944	112.5
	3/16/2006	ND<-1.60944	112.5
	9/12/2006	ND<-1.60944	112.5
	2/20/2007	ND<-1.60944	112.5
	8/13/2007	ND<-1.60944	112.5
	2/6/2008	ND<-1.60944	112.5
	8/6/2008	ND<-1.60944	112.5
	2/18/2009	ND<-1.60944	112.5
	8/19/2009	ND<-1.60944	112.5
	1/22/2010	ND<-1.60944	112.5
	9/8/2010	ND<-1.60944	112.5
	1/7/2011	ND<-1.60944	112.5
	8/1/2011	ND<-1.60944	112.5
	2/21/2012	ND<-1.60944	112.5

	8/22/2012	ND<-1.60944	112.5
	1/11/2013	ND<-1.60944	112.5
	8/28/2013	ND<-1.60944	112.5
	2/6/2014	ND<-1.60944	112.5
	8/6/2014	ND<-1.60944	112.5
	2/12/2015	ND<-1.60944	112.5
	8/20/2015	ND<-1.60944	112.5
	2/17/2016	ND<-1.60944	112.5
	8/4/2016	ND<-1.60944	112.5
	1/12/2017	ND<-1.60944	112.5
	7/19/2017	ND<-1.60944	112.5
	1/23/2018	ND<-1.60944 U	112.5
	7/11/2018	ND<-1.60944	112.5
	2/13/2019	ND<-0.693147	112.5
	8/13/2019	ND<-0.693147	112.5
	3/17/2020	ND<-0.693147	112.5
	8/27/2020	ND<-0.693147	112.5
	3/15/2021	ND<-0.693147	112.5
	7/27/2021	ND<-0.693147	112.5
	3/3/2022	ND<-0.693147	112.5
	9/21/2022	ND<-0.693147	112.5
	3/9/2023	ND<-0.693147	112.5
	7/24/2023	ND<-0.693147	112.5
	1/23/2024	ND<-0.693147	112.5
	8/26/2024	ND<-0.693147	112.5
	2/3/2025	ND<-0.693147	112.5
	7/21/2025	ND<-0.693147	112.5
	1/6/2026	ND<-0.693147	112.5
Rank Sum = 7087.5			
Rank Mean = 112.5			
M-23	12/8/1998	ND<-1.60944	112.5
	12/9/1998	ND<-1.60944	112.5
	12/10/1998	ND<-1.60944	112.5
	12/11/1998	ND<-1.60944	112.5
	5/27/1999	ND<-1.60944	112.5
	5/23/2000	ND<-1.60944	112.5
	11/17/2000	ND<-1.60944	112.5
	12/13/2000	ND<-1.60944	112.5
	6/8/2001	ND<-1.60944	112.5
	11/14/2001	ND<-1.60944	112.5
	6/14/2002	ND<-1.60944	112.5
	11/5/2002	ND<-1.60944	112.5
	6/17/2003	ND<-1.60944	112.5
	12/5/2003	ND<-1.60944	112.5
	6/25/2004	ND<-1.60944	112.5
	10/19/2004	ND<-1.60944	112.5
	6/15/2005	ND<-8.51719	112.5
	6/15/2005	ND<-8.51719	112.5
	6/15/2005	ND<-8.51719	112.5
	11/2/2005	ND<-1.60944	112.5
	3/16/2006	ND<-1.60944	112.5
	9/12/2006	ND<-1.60944	112.5
	2/22/2007	ND<-1.60944	112.5
	8/15/2007	ND<-1.60944	112.5
	2/6/2008	ND<-1.60944	112.5
	8/4/2008	-1.20397	225
	2/18/2009	ND<-1.60944	112.5

	8/19/2009	ND<-1.60944	112.5
	1/21/2010	ND<-1.60944	112.5
	9/7/2010	ND<-1.60944	112.5
	1/7/2011	ND<-1.60944	112.5
	8/1/2011	ND<-1.60944	112.5
	2/21/2012	ND<-1.60944	112.5
	8/22/2012	ND<-1.60944	112.5
	1/11/2013	ND<-1.60944	112.5
	8/29/2013	ND<-1.60944	112.5
	2/6/2014	ND<-1.60944	112.5
	8/6/2014	ND<-1.60944	112.5
	2/10/2015	ND<-1.60944	112.5
	8/18/2015	ND<-1.60944	112.5
	2/17/2016	ND<-1.60944	112.5
	8/3/2016	ND<-1.60944	112.5
	1/12/2017	ND<-1.60944	112.5
	7/19/2017	ND<-1.60944	112.5
	1/23/2018	ND<-1.60944 U	112.5
	7/11/2018	ND<-1.60944	112.5
	2/13/2019	ND<-0.693147	112.5
	8/16/2019	ND<-0.693147	112.5
	3/17/2020	ND<-0.693147	112.5
	8/25/2020	ND<-0.693147	112.5
	3/16/2021	ND<-0.693147	112.5
	7/26/2021	ND<-0.693147	112.5
	3/2/2022	ND<-0.693147	112.5
	9/21/2022	ND<-0.693147	112.5
	3/9/2023	ND<-0.693147	112.5
	7/24/2023	ND<-0.693147	112.5
	1/23/2024	ND<-0.693147	112.5
	8/26/2024	ND<-0.693147	112.5
	2/3/2025	ND<-1.66073 J	112.5
	7/21/2025	ND<-0.693147	112.5
	1/6/2026	ND<-0.693147	112.5

Rank Sum = 6975
Rank Mean = 114.344

Background Rank Sum = 21487.5
Background Rank Mean = 113.092

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<-0.693147	112.5
	8/27/2024	ND<-0.693147	112.5
	2/7/2025	ND<-1.56065 J	112.5
	7/23/2025	ND<-0.693147	112.5
	1/7/2026	ND<-0.693147	112.5

Rank Sum = 562.5
Rank Mean = 112.5

M-24D	1/24/2024	0.875469	227
	8/29/2024	0.832909	226
	2/5/2025	0.916291	228
	7/24/2025	0.916291	229
	1/8/2026	0.955511	230

Rank Sum = 1140

Rank Mean = 228

M-7	1/24/2024	ND<-0.693147	112.5
	8/28/2024	ND<-0.693147	112.5
	2/4/2025	ND<-0.693147	112.5
	7/21/2025	ND<-0.693147	112.5
	1/5/2026	ND<-0.693147	112.5

Rank Sum = 562.5
Rank Mean = 112.5

M-8	1/24/2024	ND<-0.693147	112.5
	8/27/2024	ND<-0.693147	112.5
	2/5/2025	ND<-0.693147	112.5
	7/24/2025	ND<-0.693147	112.5
	1/8/2026	ND<-0.693147	112.5

Rank Sum = 562.5
Rank Mean = 112.5

M-18	1/25/2024	ND<-0.693147	112.5
	8/28/2024	ND<-0.693147	112.5
	2/5/2025	ND<-0.693147	112.5
	7/22/2025	ND<-0.693147	112.5
	1/7/2026	ND<-0.693147	112.5

Rank Sum = 562.5
Rank Mean = 112.5

M-9S	1/25/2024	ND<-0.693147	112.5
	8/28/2024	ND<-0.693147	112.5
	2/5/2025	ND<-0.693147	112.5
	7/22/2025	ND<-0.693147	112.5
	1/8/2026	ND<-0.693147	112.5

Rank Sum = 562.5
Rank Mean = 112.5

M-21	1/22/2024	ND<-0.693147	112.5
	8/27/2024	ND<-0.693147	112.5
	2/4/2025	ND<-0.693147	112.5
	7/21/2025	ND<-0.693147	112.5
	1/7/2026	ND<-0.693147	112.5

Rank Sum = 562.5
Rank Mean = 112.5

M-19	1/22/2024	ND<-0.693147	112.5
	8/29/2024	ND<-0.693147	112.5
	2/3/2025	ND<-0.693147	112.5
	7/23/2025	ND<-0.693147	112.5
	1/6/2026	ND<-0.693147	112.5

Rank Sum = 562.5
Rank Mean = 112.5

Calculation Results:

Kruskal-Wallis H Statistic = 14.6127
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 191.673
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
14.6127 < 15.5073 indicating no significant group difference at 5% significance level
191.673 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 113.092

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	112.5	-0.592105	70.1307
M-24D	**228**	**114.908**	**70.1307**
M-7	112.5	-0.592105	70.1307
M-8	112.5	-0.592105	70.1307
M-18	112.5	-0.592105	70.1307
M-9S	112.5	-0.592105	70.1307
M-21	112.5	-0.592105	70.1307
M-19	112.5	-0.592105	70.1307

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 113.092

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	112.5	-0.592105	75.7317
M-24D	**228**	**114.908**	**75.7317**
M-7	112.5	-0.592105	75.7317
M-8	112.5	-0.592105	75.7317
M-18	112.5	-0.592105	75.7317
M-9S	112.5	-0.592105	75.7317
M-21	112.5	-0.592105	75.7317
M-19	112.5	-0.592105	75.7317

Shapiro-Francia Test of Normality

Parameter: Nickel, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 224

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-4.01738	-2.65209	7.03356	10.6544
2	-4.01738	-2.40892	12.8365	20.332
3	-4.01738	-2.22621	17.7925	29.2755
4	0.641854	-2.12007	22.2872	27.9148
5	0.693147	-2.01409	26.3437	26.5187
6	0.693147	-1.94314	30.1195	25.1718
7	0.693147	-1.86629	33.6026	23.8782
8	0.693147	-1.81191	36.8856	22.6223
9	0.693147	-1.75069	39.9505	21.4088
10	0.693147	-1.70604	42.8611	20.2263
11	0.693147	-1.66456	45.6318	19.0725
12	0.693147	-1.61644	48.2447	17.9521
13	0.741937	-1.58047	50.7426	16.7794
14	0.741937	-1.5382	53.1086	15.6382
15	0.788457	-1.50626	55.3775	14.4506
16	0.788457	-1.46838	57.5336	13.2928
17	0.832909	-1.43953	59.6059	12.0938
18	0.875469	-1.40507	61.5801	10.8637
19	0.916291	-1.37866	63.4808	9.60047
20	0.993252	-1.35317	65.3119	8.25643
21	0.993252	-1.32251	67.0609	6.94285
22	1.02962	-1.29884	68.7479	5.60554
23	1.06471	-1.27024	70.3614	4.25311
24	1.09861	-1.24809	71.9191	2.88195
25	1.1314	-1.22123	73.4105	1.50025
26	1.16315	-1.20036	74.8513	0.104046
27	1.22378	-1.17499	76.2319	-1.33388
28	1.22378	-1.15522	77.5665	-2.74761
29	1.38629	-1.1359	78.8567	-4.32229
30	1.38629	-1.11232	80.094	-5.8643
31	1.38629	-1.0939	81.2906	-7.38076
32	1.38629	-1.07138	82.4385	-8.86601
33	1.41099	-1.05375	83.5488	-10.3528
34	1.43508	-1.03215	84.6142	-11.8341
35	1.43508	-1.01522	85.6449	-13.291
36	1.43508	-0.994457	86.6338	-14.7181
37	1.4816	-0.97815	87.5906	-16.1673
38	1.54756	-0.9621	88.5162	-17.6563
39	1.56862	-0.942375	89.4043	-19.1345
40	1.60944	-0.926859	90.2633	-20.6262
41	1.60944	-0.907769	91.0874	-22.0872
42	1.60944	-0.892733	91.8844	-23.524
43	1.60944	-0.874218	92.6486	-24.931
44	1.60944	-0.859618	93.3876	-26.3145
45	1.60944	-0.841621	94.0959	-27.669
46	1.60944	-0.827417	94.7805	-29.0007
47	1.60944	-0.813379	95.4421	-30.3098

48	1.60944	-0.796056	96.0758	-31.591
49	1.60944	-0.782366	96.6879	-32.8502
50	1.60944	-0.765456	97.2738	-34.0821
51	1.60944	-0.752084	97.8395	-35.2926
52	1.60944	-0.735557	98.3805	-36.4764
53	1.60944	-0.722479	98.9025	-37.6392
54	1.60944	-0.706302	99.4013	-38.7759
55	1.60944	-0.693493	99.8823	-39.8921
56	1.60944	-0.680797	100.346	-40.9878
57	1.60944	-0.665079	100.788	-42.0582
58	1.60944	-0.652622	101.214	-43.1085
59	1.60944	-0.637192	101.62	-44.134
60	1.60944	-0.624956	102.011	-45.1399
61	1.60944	-0.609791	102.382	-46.1213
62	1.60944	-0.597761	102.74	-47.0833
63	1.60944	-0.582841	103.079	-48.0214
64	1.60944	-0.570999	103.405	-48.9404
65	1.60944	-0.559237	103.718	-49.8404
66	1.60944	-0.544642	104.015	-50.717
67	1.60944	-0.533048	104.299	-51.5749
68	1.62924	-0.518658	104.568	-52.4199
69	1.62924	-0.507221	104.825	-53.2463
70	1.66771	-0.493018	105.068	-54.0685
71	1.72277	-0.481728	105.3	-54.8984
72	1.72277	-0.467699	105.519	-55.7042
73	1.72277	-0.456542	105.728	-56.4907
74	1.72277	-0.445443	105.926	-57.2581
75	1.72277	-0.431644	106.112	-58.0017
76	1.72277	-0.420664	106.289	-58.7264
77	1.72277	-0.40701	106.455	-59.4276
78	1.72277	-0.396142	106.612	-60.11
79	1.72277	-0.382622	106.758	-60.7692
80	1.72277	-0.371856	106.897	-61.4098
81	1.72277	-0.358459	107.025	-62.0274
82	1.72277	-0.347787	107.146	-62.6265
83	1.72277	-0.337155	107.26	-63.2074
84	1.72277	-0.323919	107.365	-63.7654
85	1.72277	-0.31337	107.463	-64.3053
86	1.72277	-0.300232	107.553	-64.8225
87	1.72277	-0.28976	107.637	-65.3217
88	1.72277	-0.276714	107.713	-65.7984
89	1.72277	-0.266311	107.784	-66.2572
90	1.72277	-0.253347	107.849	-66.6936
91	1.72277	-0.243007	107.908	-67.1123
92	1.72277	-0.232693	107.962	-67.5132
93	1.72277	-0.219834	108.01	-67.8919
94	1.72277	-0.209575	108.054	-68.2529
95	1.72277	-0.196779	108.093	-68.5919
96	1.72277	-0.186567	108.128	-68.9134
97	1.72277	-0.173829	108.158	-69.2128
98	1.72277	-0.163659	108.185	-69.4948
99	1.72277	-0.150969	108.207	-69.7549
100	1.93152	-0.140835	108.227	-70.0269
101	2.00148	-0.130716	108.244	-70.2885
102	2.00148	-0.118085	108.258	-70.5249
103	2.07944	-0.107995	108.27	-70.7494
104	2.07944	-0.0953969	108.279	-70.9478

105	2.10413	-0.0853288	108.286	-71.1273
106	2.12823	-0.0727562	108.292	-71.2822
107	2.16332	-0.0627062	108.295	-71.4178
108	2.18605	-0.0501541	108.298	-71.5275
109	2.28238	-0.0401167	108.3	-71.619
110	2.29253	-0.0300838	108.301	-71.688
111	2.30259	-0.0175476	108.301	-71.7284
112	2.30259	-0.00751925	108.301	-71.7457
113	2.30259	0.00751925	108.301	-71.7284
114	2.30259	0.0175476	108.301	-71.688
115	2.30259	0.0300838	108.302	-71.6187
116	2.3979	0.0401167	108.304	-71.5225
117	2.3979	0.0501541	108.306	-71.4023
118	2.3979	0.0627062	108.31	-71.2519
119	2.3979	0.0727562	108.315	-71.0774
120	2.3979	0.0853288	108.323	-70.8728
121	2.3979	0.0953969	108.332	-70.6441
122	2.3979	0.107995	108.344	-70.3851
123	2.3979	0.118085	108.357	-70.102
124	2.3979	0.130716	108.375	-69.7885
125	2.3979	0.140835	108.394	-69.4508
126	2.3979	0.150969	108.417	-69.0888
127	2.3979	0.163659	108.444	-68.6964
128	2.3979	0.173829	108.474	-68.2795
129	2.3979	0.186567	108.509	-67.8322
130	2.3979	0.196779	108.548	-67.3603
131	2.3979	0.209575	108.592	-66.8578
132	2.3979	0.219834	108.64	-66.3306
133	2.3979	0.232693	108.694	-65.7727
134	2.3979	0.243007	108.753	-65.19
135	2.3979	0.253347	108.817	-64.5825
136	2.3979	0.266311	108.888	-63.9439
137	2.3979	0.276714	108.965	-63.2803
138	2.3979	0.28976	109.049	-62.5855
139	2.3979	0.300232	109.139	-61.8656
140	2.3979	0.31337	109.237	-61.1142
141	2.3979	0.323919	109.342	-60.3375
142	2.3979	0.337155	109.456	-59.529
143	2.3979	0.347787	109.577	-58.695
144	2.3979	0.358459	109.705	-57.8355
145	2.3979	0.371856	109.843	-56.9438
146	2.3979	0.382622	109.99	-56.0263
147	2.3979	0.396142	110.147	-55.0764
148	2.3979	0.40701	110.312	-54.1005
149	2.3979	0.420664	110.489	-53.0917
150	2.3979	0.431644	110.676	-52.0567
151	2.3979	0.445443	110.874	-50.9886
152	2.3979	0.456542	111.083	-49.8938
153	2.3979	0.467699	111.301	-48.7724
154	2.3979	0.481728	111.533	-47.6172
155	2.3979	0.493018	111.776	-46.435
156	2.3979	0.507221	112.034	-45.2188
157	2.3979	0.518658	112.303	-43.9751
158	2.3979	0.533048	112.587	-42.6969
159	2.3979	0.544642	112.883	-41.3909
160	2.3979	0.559237	113.196	-40.0499
161	2.3979	0.570999	113.522	-38.6807

162	2.3979	0.582841	113.862	-37.2831
163	2.3979	0.597761	114.219	-35.8497
164	2.3979	0.609791	114.591	-34.3875
165	2.3979	0.624956	114.982	-32.8889
166	2.3979	0.637192	115.388	-31.361
167	2.3979	0.652622	115.814	-29.7961
168	2.48491	0.665079	116.256	-28.1434
169	2.48491	0.680797	116.719	-26.4517
170	2.48491	0.693493	117.2	-24.7285
171	2.48491	0.706302	117.699	-22.9734
172	2.48491	0.722479	118.221	-21.1781
173	2.48491	0.735557	118.762	-19.3503
174	2.48491	0.752084	119.328	-17.4814
175	2.48491	0.765456	119.914	-15.5793
176	2.56495	0.782366	120.526	-13.5726
177	2.56495	0.796056	121.16	-11.5308
178	2.56495	0.813379	121.821	-9.44449
179	2.56495	0.827417	122.506	-7.3222
180	2.63906	0.841621	123.214	-5.10112
181	2.63906	0.859618	123.953	-2.83254
182	2.70805	0.874218	124.717	-0.465111
183	2.70805	0.892733	125.514	1.95245
184	2.70805	0.907769	126.338	4.41074
185	2.70805	0.926859	127.197	6.92072
186	2.70805	0.942375	128.086	9.47272
187	2.70805	0.9621	129.011	12.0781
188	2.70805	0.97815	129.968	14.727
189	2.70805	0.994457	130.957	17.4201
190	2.70805	1.01522	131.988	20.1693
191	2.73437	1.03215	133.053	22.9916
192	2.74084	1.05375	134.163	25.8798
193	2.74084	1.07138	135.311	28.8162
194	2.76632	1.0939	136.508	31.8423
195	2.77259	1.11232	137.745	34.9263
196	2.77259	1.1359	139.035	38.0757
197	2.83321	1.15522	140.37	41.3487
198	2.83908	1.17499	141.75	44.6846
199	2.83908	1.20036	143.191	48.0925
200	2.84491	1.22123	144.683	51.5668
201	2.89037	1.24809	146.24	55.1742
202	2.94444	1.27024	147.854	58.9143
203	2.99573	1.29884	149.541	62.8053
204	3.00568	1.32251	151.29	66.7803
205	3.04452	1.35317	153.121	70.9001
206	3.08191	1.37866	155.022	75.149
207	3.09104	1.40507	156.996	79.4921
208	3.12236	1.43953	159.068	83.9869
209	3.13549	1.46838	161.224	88.591
210	3.2581	1.50626	163.493	93.4985
211	3.3673	1.5382	165.859	98.6781
212	3.4012	1.58047	168.357	104.054
213	3.49651	1.61644	170.97	109.705
214	3.49651	1.66456	173.741	115.526
215	3.55535	1.70604	176.651	121.591
216	3.58352	1.75069	179.716	127.865
217	3.63231	1.81191	182.999	134.446
218	3.68888	1.86629	186.482	141.331

219	3.78419	1.94314	190.258	148.684
220	3.80666	2.01409	194.315	156.351
221	4.02535	2.12007	198.809	164.885
222	4.70048	2.22621	203.765	175.349
223	4.70953	2.40892	209.568	186.694
224	4.78749	2.65209	216.602	199.391

Data Set Standard Deviation = 1.03305
Numerator = 39756.7
Denominator = 51548.2
W Statistic = 0.771254 = 39756.7 / 51548.2

5% Critical value of 0.976 exceeds 0.771254
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.771254
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Nickel, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<2.3979	70.5
	5/15/1996	ND<2.3979	70.5
	5/16/1996	ND<2.3979	70.5
	5/17/1996	ND<2.3979	70.5
	11/5/1996	ND<2.3979	70.5
	4/15/1997	1.60944	146
	10/31/1997	ND<2.3979	70.5
	6/24/1998	ND<2.3979	70.5
	12/10/1998	ND<2.3979	70.5
	5/25/1999	ND<2.3979	70.5
	11/19/1999	ND<2.3979	70.5
	5/23/2000	ND<2.3979	70.5
	12/14/2000	ND<2.3979	70.5
	6/6/2001	ND<2.3979	70.5
	11/15/2001	ND<2.3979	70.5
	6/12/2002	ND<2.3979	70.5
	11/5/2002	ND<2.3979	70.5
	6/17/2003	ND<2.3979	70.5
	12/5/2003	ND<2.3979	70.5
	6/22/2004	ND<2.3979	70.5
	10/20/2004	2.48491	168
	6/15/2005	ND<2.3979	70.5
	6/15/2005	ND<2.3979	70.5
	6/15/2005	ND<2.3979	70.5
	11/1/2005	ND<2.3979	70.5
	3/17/2006	2.3979	163
	2/7/2008	ND<0.693147	70.5
	8/4/2008	ND<0.693147	70.5
	2/19/2009	ND<0.693147	70.5
	8/20/2009	ND<1.60944	70.5
	1/21/2010	ND<1.60944	70.5
	9/7/2010	ND<1.60944	70.5
	1/7/2011	ND<1.60944	70.5
	8/1/2011	2.07944	151
	2/24/2012	ND<1.60944	70.5
	8/22/2012	ND<1.60944	70.5
	1/10/2013	ND<1.60944	70.5
	8/28/2013	ND<1.60944	70.5
	2/4/2014	ND<1.60944	70.5
	8/7/2014	ND<1.60944	70.5
	2/11/2015	ND<1.60944	70.5
	8/20/2015	ND<1.60944	70.5
	2/17/2016	ND<1.60944	70.5
	2/17/2016	ND<1.60944	70.5
	8/3/2016	ND<1.38629	70.5
	1/12/2017	ND<1.38629	70.5

	7/20/2017	ND<1.38629	70.5
	1/23/2018	ND<2.3979 U	70.5
	7/12/2018	ND<1.56862 J	70.5
	2/13/2019	ND<2.30259	70.5
	8/16/2019	ND<1.72277	70.5
	3/17/2020	ND<1.72277	70.5
	8/25/2020	ND<1.72277	70.5
	3/16/2021	ND<1.38629 J	70.5
	7/26/2021	ND<1.62924 J	70.5
	3/2/2022	ND<0.741937 J	70.5
	9/21/2022	ND<1.02962 J	70.5
	3/9/2023	ND<1.09861 J	70.5
	7/19/2023	ND<0.788457 J	70.5
	1/23/2024	ND<1.22378 J	70.5
	8/26/2024	ND<1.06471 J	70.5
	2/3/2025	ND<0.832909 J	70.5
	7/22/2025	ND<0.875469 J	70.5
	1/6/2026	ND<1.4816 J	70.5
Rank Sum = 4858			
Rank Mean = 75.9063			
M-17S	5/15/1996	2.56495	176
	11/5/1996	ND<2.3979	70.5
	4/15/1997	ND<2.3979	70.5
	10/30/1997	ND<2.3979	70.5
	6/23/1998	ND<2.3979	70.5
	12/9/1998	ND<2.3979	70.5
	5/25/1999	4.02535	221
	11/16/1999	ND<2.3979	70.5
	5/19/2000	ND<2.3979	70.5
	12/12/2000	ND<2.3979	70.5
	6/5/2001	ND<2.3979	70.5
	11/15/2001	ND<2.3979	70.5
	6/13/2002	ND<2.3979	70.5
	11/7/2002	ND<2.3979	70.5
	6/17/2003	ND<2.3979	70.5
	12/4/2003	ND<2.3979	70.5
	6/22/2004	ND<2.3979	70.5
	10/19/2004	ND<2.3979	70.5
	6/15/2005	ND<2.3979	70.5
	6/15/2005	ND<2.3979	70.5
	6/15/2005	ND<2.3979	70.5
	11/1/2005	ND<2.3979	70.5
	3/16/2006	ND<2.3979	70.5
	2/6/2008	ND<0.693147	70.5
	8/6/2008	ND<0.693147	70.5
	2/18/2009	ND<0.693147	70.5
	8/19/2009	ND<1.60944	70.5
	1/22/2010	ND<1.60944	70.5
	9/8/2010	ND<1.60944	70.5
	1/7/2011	ND<1.60944	70.5
	8/1/2011	ND<1.60944	70.5
	2/21/2012	ND<1.60944	70.5
	8/22/2012	ND<1.60944	70.5
	1/11/2013	1.66771	147
	8/28/2013	ND<1.60944	70.5
	2/6/2014	ND<1.60944	70.5
	8/6/2014	ND<1.60944	70.5

	2/12/2015	ND<1.60944	70.5
	8/20/2015	ND<1.60944	70.5
	2/17/2016	2.00148	149
	2/17/2016	2.00148	150
	8/4/2016	1.54756	145
	1/12/2017	1.43508	144
	7/19/2017	2.10413	153
	1/23/2018	2.12823	154
	7/11/2018	4.78749	224
	2/13/2019	ND<1.72277	70.5
	8/13/2019	ND<1.22378 J	70.5
	3/17/2020	ND<1.1314 J	70.5
	8/27/2020	ND<0.741937 J	70.5
	3/15/2021	ND<0.916291 J	70.5
	7/27/2021	3.78419	219
	3/3/2022	ND<0.993252 J	70.5
	9/21/2022	ND<1.43508 J	70.5
	3/9/2023	2.48491	169
	7/24/2023	ND<1.62924 J	70.5
	1/23/2024	3.2581	210
	8/26/2024	ND<1.72277	70.5
	2/3/2025	ND<1.60944 J	70.5
	7/21/2025	1.93152	148
	1/6/2026	ND<1.41099 J	70.5
Rank Sum = 5722.5			
Rank Mean = 93.8115			
M-23	12/8/1998	3.49651	213
	12/9/1998	2.94444	202
	12/10/1998	3.13549	209
	12/11/1998	4.70953	223
	5/27/1999	3.49651	214
	5/23/2000	3.80666	220
	11/17/2000	3.09104	207
	12/13/2000	ND<2.3979	70.5
	6/8/2001	3.58352	216
	11/14/2001	3.4012	212
	6/14/2002	3.68888	218
	11/5/2002	ND<2.3979	70.5
	6/17/2003	2.56495	177
	12/5/2003	2.48491	170
	6/25/2004	3.55535	215
	10/19/2004	2.70805	182
	6/15/2005	-4.01738	141
	6/15/2005	-4.01738	142
	6/15/2005	-4.01738	143
	11/2/2005	2.70805	183
	3/16/2006	2.83321	197
	2/6/2008	2.3979	164
	8/4/2008	2.63906	180
	2/18/2009	2.07944	152
	8/19/2009	2.70805	184
	1/21/2010	2.56495	178
	9/7/2010	3.3673	211
	1/7/2011	2.70805	185
	8/1/2011	2.77259	195
	2/21/2012	2.99573	203
	8/22/2012	2.74084	192

1/11/2013	2.18605	156
8/29/2013	2.76632	194
2/6/2014	2.73437	191
8/6/2014	3.08191	206
2/10/2015	3.00568	204
8/18/2015	3.12236	208
2/17/2016	2.83908	198
2/17/2016	2.83908	199
8/3/2016	2.74084	193
1/12/2017	2.84491	200
7/19/2017	3.63231	217
1/23/2018	3.04452	205
7/11/2018	4.70048	222
2/13/2019	2.70805	186
8/16/2019	2.77259	196
3/17/2020	2.30259	159
8/25/2020	2.70805	187
3/16/2021	2.63906	181
7/26/2021	2.70805	188
3/2/2022	2.70805	189
9/21/2022	2.48491	171
3/9/2023	2.48491	172
7/24/2023	2.56495	179
1/23/2024	2.3979	165
8/26/2024	2.16332	155
2/3/2025	2.89037	201
7/21/2025	2.70805	190
1/6/2026	2.3979	166

Rank Sum = 10947
Rank Mean = 185.542

Background Rank Sum = 21527.5
Background Rank Mean = 116.997

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<1.72277	70.5
	8/27/2024	ND<1.72277	70.5
	2/7/2025	ND<1.72277	70.5
	7/23/2025	ND<1.72277	70.5
	1/7/2026	ND<0.693147 J	70.5

Rank Sum = 352.5
Rank Mean = 70.5

M-24D	1/24/2024	2.28238	157
	8/29/2024	2.29253	158
	2/5/2025	2.30259	160
	7/24/2025	2.30259	161
	1/8/2026	2.30259	162

Rank Sum = 798
Rank Mean = 159.6

M-7	1/24/2024	ND<1.72277	70.5
	8/28/2024	ND<1.72277	70.5
	2/4/2025	ND<1.72277	70.5
	7/21/2025	ND<1.16315 J	70.5

	1/5/2026	ND<1.72277	70.5

Rank Sum = 352.5
Rank Mean = 70.5

M-8	1/24/2024	ND<1.72277	70.5
	8/27/2024	ND<1.72277	70.5
	2/5/2025	ND<1.72277	70.5
	7/24/2025	ND<1.72277	70.5
	1/8/2026	ND<1.72277	70.5

Rank Sum = 352.5
Rank Mean = 70.5

M-18	1/25/2024	ND<1.72277	70.5
	8/28/2024	ND<1.72277	70.5
	2/5/2025	ND<0.993252 J	70.5
	7/22/2025	ND<1.72277	70.5
	1/7/2026	ND<0.693147 J	70.5

Rank Sum = 352.5
Rank Mean = 70.5

M-9S	1/25/2024	ND<1.72277	70.5
	8/28/2024	ND<1.72277	70.5
	2/5/2025	ND<1.72277	70.5
	7/22/2025	ND<1.72277	70.5
	1/8/2026	ND<1.72277	70.5

Rank Sum = 352.5
Rank Mean = 70.5

M-21	1/22/2024	ND<1.72277	70.5
	8/27/2024	ND<1.72277	70.5
	2/4/2025	ND<0.788457 J	70.5
	7/21/2025	ND<1.72277	70.5
	1/7/2026	ND<0.641854 J	70.5

Rank Sum = 352.5
Rank Mean = 70.5

M-19	1/22/2024	ND<1.43508 J	70.5
	8/29/2024	2.48491	173
	2/3/2025	2.48491	174
	7/23/2025	2.3979	167
	1/6/2026	2.48491	175

Rank Sum = 759.5
Rank Mean = 151.9

Calculation Results:

Kruskal-Wallis H Statistic = 17.9751
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 23.7808
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
17.9751 > 15.5073 indicating a significant group difference at 5% significance level
23.7808 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

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Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 116.997

Well	Mean Rank	Dif from Bkg	Critical Value

M-11S	70.5	-46.4973	68.3337
M-24D	159.6	42.6027	68.3337
M-7	70.5	-46.4973	68.3337
M-8	70.5	-46.4973	68.3337
M-18	70.5	-46.4973	68.3337
M-9S	70.5	-46.4973	68.3337
M-21	70.5	-46.4973	68.3337
M-19	151.9	34.9027	68.3337

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 116.997

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	70.5	-46.4973	73.7912
M-24D	159.6	42.6027	73.7912
M-7	70.5	-46.4973	73.7912
M-8	70.5	-46.4973	73.7912
M-18	70.5	-46.4973	73.7912
M-9S	70.5	-46.4973	73.7912
M-21	70.5	-46.4973	73.7912
M-19	151.9	34.9027	73.7912

Shapiro-Francia Test of Normality

Parameter: Potassium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 276

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	5.63479	-2.74777	7.55021	-15.4831
2	5.82895	-2.45727	13.5884	-29.8064
3	5.85793	-2.32634	19.0003	-43.4339
4	5.96615	-2.19728	23.8283	-56.5433
5	5.96615	-2.09693	28.2255	-69.0539
6	5.96615	-2.03352	32.3607	-81.1862
7	5.96615	-1.95996	36.2021	-92.8796
8	5.96615	-1.91103	39.8541	-104.281
9	5.96615	-1.85218	43.2847	-115.331
10	5.96615	-1.79912	46.5215	-126.065
11	5.96615	-1.76241	49.6276	-136.58
12	5.96615	-1.71688	52.5753	-146.823
13	5.96615	-1.68494	55.4143	-156.876
14	5.96615	-1.64485	58.1199	-166.689
15	6.04501	-1.60725	60.7031	-176.405
16	6.04737	-1.58047	63.201	-185.963
17	6.06379	-1.54643	65.5924	-195.34
18	6.12249	-1.52203	67.909	-204.659
19	6.1506	-1.49085	70.1317	-213.828
20	6.28227	-1.46106	72.2664	-223.007
21	6.37843	-1.43953	74.3386	-232.189
22	6.41017	-1.41183	76.3319	-241.239
23	6.41017	-1.38517	78.2506	-250.118
24	6.41017	-1.36581	80.116	-258.873
25	6.41346	-1.34075	81.9136	-267.472
26	6.42811	-1.32251	83.6626	-275.973
27	6.46147	-1.29884	85.3496	-284.366
28	6.4708	-1.27588	86.9775	-292.622
29	6.47697	-1.25908	88.5628	-300.777
30	6.49224	-1.23724	90.0935	-308.809
31	6.62007	-1.22123	91.5849	-316.894
32	6.64379	-1.20036	93.0258	-324.869
33	6.71538	-1.18	94.4182	-332.793
34	6.73102	-1.16505	95.7755	-340.635
35	6.73815	-1.1455	97.0877	-348.353
36	6.75693	-1.13113	98.3672	-355.996
37	6.76504	-1.11232	99.6044	-363.521
38	6.80904	-1.0939	100.801	-370.97
39	6.83733	-1.08032	101.968	-378.356
40	6.85751	-1.06252	103.097	-385.642
41	6.8638	-1.04505	104.189	-392.815
42	6.86589	-1.03215	105.255	-399.902
43	6.86797	-1.01522	106.285	-406.875
44	6.87626	-1.00271	107.291	-413.77
45	6.90575	-0.986272	108.263	-420.58
46	6.90776	-0.970094	109.204	-427.282
47	6.92756	-0.958125	110.122	-433.919

48	6.92756	-0.942375	111.011	-440.447
49	6.96602	-0.930718	111.877	-446.931
50	6.96602	-0.915365	112.715	-453.307
51	6.97541	-0.900227	113.525	-459.587
52	6.98472	-0.889006	114.315	-465.796
53	6.98472	-0.874218	115.08	-471.902
54	6.98472	-0.863249	115.825	-477.932
55	6.98472	-0.848786	116.545	-483.86
56	7.02108	-0.834498	117.242	-489.72
57	7.02997	-0.823893	117.92	-495.512
58	7.03878	-0.809896	118.576	-501.212
59	7.03878	-0.7995	119.216	-506.84
60	7.04752	-0.785774	119.833	-512.377
61	7.04752	-0.772193	120.429	-517.819
62	7.05618	-0.7621	121.01	-523.197
63	7.05618	-0.748762	121.571	-528.48
64	7.05618	-0.735557	122.112	-533.671
65	7.05618	-0.725736	122.639	-538.792
66	7.06476	-0.712751	123.147	-543.827
67	7.06476	-0.703089	123.641	-548.794
68	7.06476	-0.690309	124.117	-553.671
69	7.08171	-0.677639	124.577	-558.47
70	7.09008	-0.668209	125.023	-563.207
71	7.09008	-0.655726	125.453	-567.857
72	7.09008	-0.646431	125.871	-572.44
73	7.09008	-0.634124	126.273	-576.936
74	7.09838	-0.621911	126.66	-581.35
75	7.1309	-0.612813	127.035	-585.72
76	7.1309	-0.60076	127.396	-590.004
77	7.14677	-0.591776	127.746	-594.234
78	7.1624	-0.579873	128.083	-598.387
79	7.1624	-0.568052	128.405	-602.455
80	7.17012	-0.559237	128.718	-606.465
81	7.17012	-0.547551	129.018	-610.391
82	7.17012	-0.53594	129.305	-614.234
83	7.17012	-0.52728	129.583	-618.015
84	7.17012	-0.515791	129.849	-621.713
85	7.17012	-0.507221	130.107	-625.35
86	7.17012	-0.49585	130.352	-628.905
87	7.17012	-0.484544	130.587	-632.379
88	7.17012	-0.476105	130.814	-635.793
89	7.17778	-0.464904	131.03	-639.13
90	7.17778	-0.456542	131.238	-642.407
91	7.18539	-0.445443	131.437	-645.608
92	7.18539	-0.434397	131.626	-648.729
93	7.19293	-0.426148	131.807	-651.794
94	7.19293	-0.415193	131.98	-654.781
95	7.20042	-0.40701	132.145	-657.711
96	7.20042	-0.396142	132.302	-660.564
97	7.20042	-0.385321	132.451	-663.338
98	7.20042	-0.377233	132.593	-666.054
99	7.20042	-0.36649	132.727	-668.693
100	7.20786	-0.355788	132.854	-671.258
101	7.20786	-0.347787	132.975	-673.765
102	7.20786	-0.337155	133.088	-676.195
103	7.20786	-0.329206	133.197	-678.568
104	7.22257	-0.318639	133.298	-680.869

105	7.22257	-0.308108	133.393	-683.094
106	7.22984	-0.300232	133.483	-685.265
107	7.22984	-0.28976	133.567	-687.36
108	7.22984	-0.281926	133.647	-689.398
109	7.23706	-0.271509	133.721	-691.363
110	7.23706	-0.26112	133.789	-693.253
111	7.23706	-0.253347	133.853	-695.086
112	7.23706	-0.243007	133.912	-696.845
113	7.24423	-0.235269	133.967	-698.549
114	7.24423	-0.224974	134.018	-700.179
115	7.24423	-0.214702	134.064	-701.734
116	7.24423	-0.207012	134.107	-703.234
117	7.24423	-0.196779	134.146	-704.66
118	7.24423	-0.189118	134.181	-706.03
119	7.24423	-0.17892	134.213	-707.326
120	7.24423	-0.168741	134.242	-708.548
121	7.24423	-0.161119	134.268	-709.715
122	7.24423	-0.150969	134.291	-710.809
123	7.24423	-0.140835	134.31	-711.829
124	7.24423	-0.133244	134.328	-712.795
125	7.24423	-0.123135	134.343	-713.687
126	7.25134	-0.115562	134.357	-714.525
127	7.25841	-0.105474	134.368	-715.29
128	7.26543	-0.0953969	134.377	-715.983
129	7.26543	-0.0878447	134.385	-716.621
130	7.26543	-0.0777834	134.391	-717.187
131	7.2724	-0.0702426	134.396	-717.697
132	7.2724	-0.0601949	134.399	-718.135
133	7.28619	-0.0501541	134.402	-718.501
134	7.28619	-0.0426257	134.404	-718.811
135	7.28619	-0.0325917	134.405	-719.049
136	7.29302	-0.0250691	134.405	-719.231
137	7.2998	-0.0150408	134.406	-719.341
138	7.30653	-0.00501359	134.406	-719.378
139	7.31322	0.00501359	134.406	-719.341
140	7.31322	0.0150408	134.406	-719.231
141	7.31322	0.0250691	134.406	-719.048
142	7.31322	0.0325917	134.408	-718.81
143	7.31322	0.0426257	134.409	-718.498
144	7.31322	0.0501541	134.412	-718.131
145	7.31986	0.0601949	134.415	-717.69
146	7.32647	0.0702426	134.42	-717.176
147	7.32647	0.0777834	134.426	-716.606
148	7.32647	0.0878447	134.434	-715.962
149	7.32647	0.0953969	134.443	-715.263
150	7.33302	0.105474	134.454	-714.49
151	7.33302	0.115562	134.468	-713.643
152	7.33302	0.123135	134.483	-712.74
153	7.34601	0.133244	134.501	-711.761
154	7.35244	0.140835	134.52	-710.725
155	7.36518	0.150969	134.543	-709.613
156	7.36518	0.161119	134.569	-708.427
157	7.37149	0.168741	134.598	-707.183
158	7.37149	0.17892	134.63	-705.864
159	7.37776	0.189118	134.666	-704.469
160	7.37776	0.196779	134.704	-703.017
161	7.37776	0.207012	134.747	-701.49

162	7.37776	0.214702	134.793	-699.906
163	7.37776	0.224974	134.844	-698.246
164	7.37776	0.235269	134.899	-696.51
165	7.37776	0.243007	134.958	-694.717
166	7.37776	0.253347	135.022	-692.848
167	7.38399	0.26112	135.091	-690.92
168	7.41457	0.271509	135.164	-688.907
169	7.41457	0.281926	135.244	-686.816
170	7.41457	0.28976	135.328	-684.668
171	7.41457	0.300232	135.418	-682.442
172	7.41457	0.308108	135.513	-680.157
173	7.42655	0.318639	135.614	-677.791
174	7.43838	0.329206	135.723	-675.342
175	7.43838	0.337155	135.836	-672.834
176	7.43838	0.347787	135.957	-670.247
177	7.43838	0.355788	136.084	-667.601
178	7.43838	0.36649	136.218	-664.875
179	7.43838	0.377233	136.361	-662.069
180	7.43838	0.385321	136.509	-659.203
181	7.43838	0.396142	136.666	-656.256
182	7.44425	0.40701	136.832	-653.226
183	7.44425	0.415193	137.004	-650.135
184	7.45008	0.426148	137.186	-646.96
185	7.45588	0.434397	137.374	-643.722
186	7.47307	0.445443	137.573	-640.393
187	7.47873	0.456542	137.781	-636.978
188	7.47873	0.464904	137.997	-633.502
189	7.47873	0.476105	138.224	-629.941
190	7.49554	0.484544	138.459	-626.309
191	7.49554	0.49585	138.705	-622.592
192	7.49554	0.507221	138.962	-618.79
193	7.49554	0.515791	139.228	-614.924
194	7.49554	0.52728	139.506	-610.972
195	7.49554	0.53594	139.793	-606.955
196	7.49554	0.547551	140.093	-602.851
197	7.49554	0.559237	140.406	-598.659
198	7.52294	0.568052	140.728	-594.385
199	7.52833	0.579873	141.065	-590.02
200	7.53369	0.591776	141.415	-585.562
201	7.53903	0.60076	141.776	-581.033
202	7.53903	0.612813	142.151	-576.413
203	7.54961	0.621911	142.538	-571.717
204	7.54961	0.634124	142.94	-566.93
205	7.56008	0.646431	143.358	-562.043
206	7.57044	0.655726	143.788	-557.079
207	7.57558	0.668209	144.235	-552.017
208	7.59085	0.677639	144.694	-546.873
209	7.59589	0.690309	145.17	-541.629
210	7.6009	0.703089	145.665	-536.285
211	7.64012	0.712751	146.173	-530.84
212	7.64012	0.725736	146.699	-525.295
213	7.64969	0.735557	147.24	-519.668
214	7.64969	0.748762	147.801	-513.94
215	7.64969	0.7621	148.382	-508.111
216	7.64969	0.772193	148.978	-502.204
217	7.65444	0.785774	149.596	-496.189
218	7.65917	0.7995	150.235	-490.065

219	7.69621	0.809896	150.891	-483.832
220	7.70075	0.823893	151.569	-477.488
221	7.70526	0.834498	152.266	-471.058
222	7.71869	0.848786	152.986	-464.506
223	7.74066	0.863249	153.731	-457.824
224	7.74066	0.874218	154.496	-451.057
225	7.77486	0.889006	155.286	-444.145
226	7.77905	0.900227	156.096	-437.142
227	7.79975	0.915365	156.934	-430.003
228	7.81197	0.930718	157.801	-422.732
229	7.81601	0.942375	158.689	-415.366
230	7.82405	0.958125	159.607	-407.87
231	7.82405	0.970094	160.548	-400.28
232	7.82405	0.986272	161.52	-392.563
233	7.85554	1.00271	162.526	-384.686
234	7.85554	1.01522	163.557	-376.711
235	7.90101	1.03215	164.622	-368.556
236	7.90839	1.04505	165.714	-360.291
237	7.92299	1.06252	166.843	-351.873
238	7.9266	1.08032	168.01	-343.31
239	7.93737	1.0939	169.207	-334.627
240	7.93737	1.11232	170.444	-325.798
241	7.95507	1.13113	171.723	-316.8
242	7.95507	1.1455	173.036	-307.687
243	7.96555	1.16505	174.393	-298.407
244	7.97247	1.18	175.785	-289
245	7.99294	1.20036	177.226	-279.405
246	8.00637	1.22123	178.718	-269.628
247	8.00637	1.23724	180.248	-259.722
248	8.03593	1.25908	181.834	-249.604
249	8.03916	1.27588	183.462	-239.347
250	8.16052	1.29884	185.148	-228.748
251	8.24276	1.32251	186.898	-217.847
252	8.28147	1.34075	188.695	-206.743
253	8.29405	1.36581	190.561	-195.415
254	8.30152	1.38517	192.479	-183.916
255	8.51719	1.41183	194.473	-171.891
256	8.57546	1.43953	196.545	-159.547
257	8.57546	1.46106	198.679	-147.017
258	8.59044	1.49085	200.902	-134.21
259	8.59415	1.52203	203.219	-121.13
260	8.71768	1.54643	205.61	-107.649
261	8.85367	1.58047	208.108	-93.6556
262	8.86785	1.60725	210.691	-79.4027
263	9.2873	1.64485	213.397	-64.1265
264	9.51044	1.68494	216.236	-48.102
265	9.69277	1.71688	219.184	-31.4606
266	9.76423	1.76241	222.29	-14.252
267	9.79813	1.79912	225.526	3.37593
268	10.0605	1.85218	228.957	22.0097
269	10.2036	1.91103	232.609	41.5091
270	10.2506	1.95996	236.45	61.5999
271	10.3828	2.03352	240.586	82.7136
272	10.8357	2.09693	244.983	105.435
273	10.859	2.19728	249.811	129.296
274	11.0429	2.32634	255.223	154.985
275	11.1548	2.45727	261.261	182.396

276	11.2997	2.74777	268.811	213.445

Data Set Standard Deviation = 0.872555
Numerator = 45558.6
Denominator = 56281.5
W Statistic = 0.809478 = 45558.6 / 56281.5

5% Critical value of 0.976 exceeds 0.809478
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.809478
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Potassium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	7.47873	187
	5/14/1996	7.20042	95
	5/15/1996	6.73102	34
	5/15/1996	7.04752	60
	5/16/1996	6.92756	47
	5/16/1996	7.37149	157
	5/17/1996	6.92756	48
	5/17/1996	7.25841	127
	11/5/1996	ND<5.96615	5.5
	11/5/1996	ND<5.96615	5.5
	4/15/1997	8.16052	250
	4/15/1997	7.93737	239
	10/31/1997	7.26543	128
	10/31/1997	7.06476	66
	6/24/1998	7.31986	145
	6/24/1998	7.32647	146
	12/10/1998	7.19293	93
	12/10/1998	7.02108	56
	5/25/1999	7.26543	129
	5/25/1999	6.73815	35
	11/19/1999	6.42811	26
	11/19/1999	ND<5.96615	5.5
	5/23/2000	7.53369	200
	5/23/2000	7.18539	91
	12/14/2000	7.31322	139
	12/14/2000	7.45008	184
	6/6/2001	7.06476	67
	6/6/2001	7.2998	137
	11/15/2001	7.44425	182
	11/15/2001	6.98472	52
	6/12/2002	7.24423	113
	6/12/2002	7.41457	168
	11/5/2002	8.29405	253
	11/5/2002	8.30152	254
	6/17/2003	7.14677	77
	6/17/2003	7.65917	218
	12/5/2003	7.2724	131
	12/5/2003	7.70526	221
	6/22/2004	7.52833	199
	6/22/2004	7.85554	233
	10/20/2004	7.95507	241
	10/20/2004	7.81601	229
	6/15/2005	7.41457	169
	6/15/2005	7.41457	170
	6/15/2005	7.41457	171
	11/1/2005	7.64969	213

	3/17/2006	7.52294	198
	8/4/2008	7.56008	205
	2/19/2009	7.38399	167
	8/20/2009	7.25134	126
	1/21/2010	6.98472	53
	9/7/2010	8.71768	260
	1/7/2011	7.43838	174
	8/1/2011	7.59085	208
	2/24/2012	7.6009	210
	8/22/2012	10.2036	269
	1/10/2013	7.33302	150
	8/28/2013	7.32647	147
	2/4/2014	7.20786	100
	8/7/2014	7.47873	188
	2/11/2015	7.43838	175
	8/20/2015	7.57044	206
	2/17/2016	7.64012	211
	2/17/2016	7.64012	212
	8/3/2016	7.74066	223
	1/12/2017	7.90839	236
	7/20/2017	8.03593	248
	1/23/2018	7.93737	240
	7/12/2018	8.57546	256
	2/13/2019	7.74066	224
	8/16/2019	7.97247	244
	3/17/2020	8.24276	251
	8/25/2020	8.00637	246
	3/16/2021	11.2997	276
	7/26/2021	10.859	273
	3/2/2022	8.51719	255
	9/21/2022	9.51044	264
	3/9/2023	8.57546	257
	7/19/2023	9.2873	263
	1/23/2024	10.8357	272
	8/26/2024	10.3828	271
	2/3/2025	10.2506	270
	7/22/2025	8.85367	261
	1/6/2026	9.69277	265
Rank Sum = 14550.5			
Rank Mean = 173.22			
M-17S	5/15/1996	7.20786	101
	5/15/1996	7.99294	245
	11/5/1996	8.86785	262
	11/5/1996	8.59415	259
	4/15/1997	7.24423	114
	4/15/1997	ND<5.96615	5.5
	10/30/1997	7.32647	148
	10/30/1997	7.23706	109
	6/23/1998	7.18539	92
	6/23/1998	7.2724	132
	12/9/1998	6.96602	49
	12/9/1998	6.86589	42
	5/25/1999	6.04501	15
	5/25/1999	6.28227	20
	11/16/1999	7.29302	136
	11/16/1999	7.20786	102
	5/19/2000	7.71869	222

5/19/2000	7.95507	242
12/12/2000	8.28147	252
12/12/2000	7.85554	234
6/5/2001	7.1309	75
6/5/2001	7.47873	189
11/15/2001	6.12249	18
11/15/2001	6.1506	19
6/13/2002	ND<5.96615	5.5
6/13/2002	ND<5.96615	5.5
11/7/2002	ND<5.96615	5.5
11/7/2002	6.80904	38
6/17/2003	7.03878	58
6/17/2003	6.98472	54
12/4/2003	ND<5.96615	5.5
12/4/2003	ND<5.96615	5.5
6/22/2004	7.28619	133
6/22/2004	7.09008	70
10/19/2004	6.76504	37
10/19/2004	ND<5.96615	5.5
6/15/2005	6.41017	22
6/15/2005	6.41017	23
6/15/2005	6.41017	24
11/1/2005	7.33302	151
3/16/2006	7.1309	76
8/6/2008	7.59589	209
2/18/2009	7.53903	201
8/19/2009	7.43838	176
1/22/2010	7.19293	94
9/8/2010	7.17778	89
1/7/2011	7.36518	155
8/1/2011	7.57558	207
2/21/2012	7.35244	154
8/22/2012	7.33302	152
1/11/2013	7.22984	106
8/28/2013	7.30653	138
2/6/2014	7.23706	110
8/6/2014	7.22984	107
2/12/2015	7.44425	183
8/20/2015	7.37149	158
2/17/2016	7.20042	96
2/17/2016	7.20042	97
8/4/2016	7.28619	134
1/12/2017	7.41457	172
7/19/2017	7.23706	111
1/23/2018	7.17012	80
7/11/2018	7.37776	159
2/13/2019	7.31322	140
8/13/2019	7.43838	177
3/17/2020	7.82405	230
8/27/2020	7.69621	219
3/15/2021	7.64969	214
7/27/2021	7.64969	215
3/3/2022	7.49554	190
9/21/2022	7.43838	178
3/9/2023	7.43838	179
7/24/2023	7.37776	160
1/23/2024	7.31322	141

	8/26/2024	7.37776	161
	2/3/2025	7.43838	180
	7/21/2025	7.49554	191
	1/6/2026	7.54961	203
Rank Sum = 9667.5			
Rank Mean = 123.942			
M-23	12/8/1998	7.79975	227
	12/8/1998	6.87626	44
	12/9/1998	7.77486	225
	12/9/1998	6.71538	33
	12/10/1998	7.96555	243
	12/10/1998	6.97541	51
	12/11/1998	8.59044	258
	12/11/1998	7.36518	156
	5/27/1999	7.23706	112
	5/27/1999	6.8638	41
	5/23/2000	7.70075	220
	5/23/2000	7.1624	78
	11/17/2000	7.53903	202
	11/17/2000	7.24423	115
	12/13/2000	7.9266	238
	12/13/2000	7.92299	237
	6/8/2001	7.77905	226
	6/8/2001	7.42655	173
	11/14/2001	7.81197	228
	11/14/2001	6.37843	21
	6/14/2002	6.64379	32
	6/14/2002	7.28619	135
	11/5/2002	6.90776	46
	11/5/2002	6.83733	39
	6/17/2003	7.45588	185
	6/17/2003	7.47307	186
	12/5/2003	6.86797	43
	12/5/2003	7.22257	104
	6/25/2004	6.96602	50
	6/25/2004	6.04737	16
	10/19/2004	6.90575	45
	10/19/2004	7.65444	217
	6/15/2005	7.05618	62
	6/15/2005	7.05618	63
	6/15/2005	7.05618	64
	11/2/2005	6.98472	55
	3/16/2006	7.06476	68
	8/4/2008	7.32647	149
	2/18/2009	6.4708	28
	8/19/2009	7.02997	57
	1/21/2010	6.75693	36
	9/7/2010	7.04752	61
	1/7/2011	7.1624	79
	8/1/2011	7.24423	116
	2/21/2012	7.17778	90
	8/22/2012	7.05618	65
	1/11/2013	6.85751	40
	8/29/2013	7.09838	74
	2/6/2014	7.03878	59
	8/6/2014	7.08171	69
	2/10/2015	7.34601	153

8/18/2015	7.26543	130
2/17/2016	7.20042	98
2/17/2016	7.20042	99
8/3/2016	7.20786	103
1/12/2017	7.22984	108
7/19/2017	7.22257	105
1/23/2018	7.17012	81
7/11/2018	7.24423	117
2/13/2019	7.17012	82
8/16/2019	7.24423	118
3/17/2020	7.09008	71
8/25/2020	7.17012	83
3/16/2021	7.37776	162
7/26/2021	7.09008	72
3/2/2022	7.24423	119
9/21/2022	7.17012	84
3/9/2023	7.17012	85
7/24/2023	7.17012	86
1/23/2024	7.31322	142
8/26/2024	7.09008	73
2/3/2025	7.24423	120
7/21/2025	7.31322	143
1/6/2026	7.24423	121

Rank Sum = 8016
Rank Mean = 108.324

Background Rank Sum = 32234
Background Rank Mean = 136.585

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	8.00637	247
	8/27/2024	7.90101	235
	2/7/2025	8.03916	249
	7/23/2025	7.82405	231
	1/7/2026	7.82405	232

Rank Sum = 1194
Rank Mean = 238.8

M-24D	1/24/2024	7.24423	122
	8/29/2024	7.49554	192
	2/5/2025	7.24423	123
	7/24/2025	7.31322	144
	1/8/2026	7.24423	124

Rank Sum = 705
Rank Mean = 141

M-7	1/24/2024	5.82895	12
	8/28/2024	6.62007	31
	2/4/2025	6.41346	25
	7/21/2025	6.47697	29
	1/5/2026	6.49224	30

Rank Sum = 127
Rank Mean = 25.4

M-8	1/24/2024	6.46147	27

	8/27/2024	5.96615	14
	2/5/2025	5.85793	13
	7/24/2025	5.63479	11
	1/8/2026	6.06379	17

Rank Sum = 82
Rank Mean = 16.4

M-18	1/25/2024	11.0429	274
	8/28/2024	11.1548	275
	2/5/2025	9.79813	267
	7/22/2025	10.0605	268
	1/7/2026	9.76423	266

Rank Sum = 1350
Rank Mean = 270

M-9S	1/25/2024	7.37776	163
	8/28/2024	7.37776	164
	2/5/2025	7.49554	193
	7/22/2025	7.43838	181
	1/8/2026	7.49554	194

Rank Sum = 895
Rank Mean = 179

M-21	1/22/2024	7.17012	87
	8/27/2024	7.24423	125
	2/4/2025	7.37776	165
	7/21/2025	7.17012	88
	1/7/2026	7.37776	166

Rank Sum = 631
Rank Mean = 126.2

M-19	1/22/2024	7.49554	195
	8/29/2024	7.64969	216
	2/3/2025	7.54961	204
	7/23/2025	7.49554	196
	1/6/2026	7.49554	197

Rank Sum = 1008
Rank Mean = 201.6

Calculation Results:

Kruskal-Wallis H Statistic = 47.877
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 47.8793
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
47.877 > 15.5073 indicating a significant group difference at 5% significance level
47.8793 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 136.585

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	**238.8**	**102.215**	**83.916**
M-24D	141	4.41525	83.916
M-7	25.4	-111.185	83.916
M-8	16.4	-120.185	83.916
M-18	**270**	**133.415**	**83.916**

M-9S	179	42.4153	83.916
M-21	126.2	-10.3847	83.916
M-19	201.6	65.0153	83.916

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 136.585

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	**238.8**	**102.215**	**90.6179**
M-24D	141	4.41525	90.6179
M-7	25.4	-111.185	90.6179
M-8	16.4	-120.185	90.6179
M-18	**270**	**133.415**	**90.6179**
M-9S	179	42.4153	90.6179
M-21	126.2	-10.3847	90.6179
M-19	201.6	65.0153	90.6179

Shapiro-Francia Test of Normality

Parameter: Selenium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-6.21461	-2.65209	7.03356	16.4817
2	-6.21461	-2.40892	12.8365	31.4522
3	-6.21461	-2.25713	17.9311	45.4794
4	0	-2.12007	22.4258	45.4794
5	0	-2.03352	26.561	45.4794
6	0	-1.95996	30.4025	45.4794
7	0	-1.8957	33.9961	45.4794
8	0	-1.82501	37.3268	45.4794
9	0	-1.77438	40.4752	45.4794
10	0	-1.72793	43.4609	45.4794
11	0	-1.67466	46.2654	45.4794
12	0	-1.63524	48.9394	45.4794
13	0	-1.59819	51.4936	45.4794
14	0	-1.56322	53.9373	45.4794
15	0	-1.52203	56.2539	45.4794
16	0	-1.49085	58.4765	45.4794
17	0	-1.46106	60.6112	45.4794
18	0	-1.4325	62.6633	45.4794
19	0	-1.39838	64.6187	45.4794
20	0	-1.3722	66.5017	45.4794
21	0	-1.34694	68.3159	45.4794
22	0	-1.31652	70.0492	45.4794
23	0	-1.29303	71.7211	45.4794
24	0	-1.27024	73.3346	45.4794
25	0	-1.24809	74.8923	45.4794
26	0	-1.22123	76.3837	45.4794
27	0	-1.20036	77.8246	45.4794
28	0	-1.18	79.217	45.4794
29	0	-1.16012	80.5629	45.4794
30	0	-1.1359	81.8531	45.4794
31	0	-1.11699	83.1008	45.4794
32	0	-1.09847	84.3074	45.4794
33	0	-1.07584	85.4648	45.4794
34	0	-1.05812	86.5845	45.4794
35	0	-1.04073	87.6676	45.4794
36	0	-1.02365	88.7154	45.4794
37	0	-1.00271	89.7209	45.4794
38	0	-0.986272	90.6936	45.4794
39	0	-0.970094	91.6347	45.4794
40	0	-0.954165	92.5451	45.4794
41	0	-0.93459	93.4186	45.4794
42	0	-0.919183	94.2635	45.4794
43	0	-0.903992	95.0807	45.4794
44	0	-0.885291	95.8644	45.4794
45	0	-0.87055	96.6223	45.4794
46	0	-0.855996	97.355	45.4794
47	0	-0.841621	98.0633	45.4794

48	0	-0.823893	98.7421	45.4794
49	0	-0.809896	99.3981	45.4794
50	0	-0.796056	100.032	45.4794
51	0	-0.782366	100.644	45.4794
52	0	-0.765456	101.23	45.4794
53	0	-0.752084	101.795	45.4794
54	0	-0.738846	102.341	45.4794
55	0	-0.722479	102.863	45.4794
56	0	-0.709522	103.367	45.4794
57	0.693147	-0.696684	103.852	44.9965
58	0.693147	-0.68396	104.32	44.5224
59	0.693147	-0.668209	104.766	44.0592
60	0.693147	-0.655726	105.196	43.6047
61	0.693147	-0.643345	105.61	43.1588
62	0.693147	-0.631062	106.008	42.7213
63	0.693147	-0.615839	106.388	42.2945
64	0.693147	-0.603765	106.752	41.876
65	0.693147	-0.591776	107.102	41.4658
66	0.693147	-0.576911	107.435	41.0659
67	0.693147	-0.565108	107.755	40.6742
68	0.693147	-0.553384	108.061	40.2906
69	0.693147	-0.541736	108.354	39.9151
70	0.693147	-0.52728	108.632	39.5496
71	0.693147	-0.515791	108.898	39.1921
72	0.693147	-0.504372	109.153	38.8425
73	0.693147	-0.493018	109.396	38.5008
74	0.693147	-0.478914	109.625	38.1688
75	0.693147	-0.467699	109.844	37.8446
76	0.693147	-0.456542	110.052	37.5282
77	0.693147	-0.442676	110.248	37.2214
78	0.693147	-0.431644	110.435	36.9222
79	0.693147	-0.420664	110.612	36.6306
80	0.693147	-0.409735	110.78	36.3466
81	0.693147	-0.396142	110.936	36.072
82	0.693147	-0.385321	111.085	35.8049
83	0.693147	-0.374544	111.225	35.5453
84	0.693147	-0.363809	111.358	35.2931
85	0.693147	-0.350451	111.48	35.0502
86	0.693147	-0.33981	111.596	34.8147
87	0.693147	-0.329206	111.704	34.5865
88	0.693147	-0.316004	111.804	34.3674
89	0.693147	-0.305481	111.897	34.1557
90	0.693147	-0.294992	111.984	33.9512
91	0.693147	-0.284535	112.065	33.754
92	0.693147	-0.271509	112.139	33.5658
93	0.693147	-0.26112	112.207	33.3848
94	0.693147	-0.250759	112.27	33.211
95	0.693147	-0.240426	112.328	33.0443
96	0.693147	-0.227545	112.38	32.8866
97	0.693147	-0.217267	112.427	32.736
98	0.693147	-0.207012	112.47	32.5925
99	0.693147	-0.194225	112.508	32.4579
100	0.693147	-0.184017	112.541	32.3304
101	0.693147	-0.173829	112.572	32.2099
102	0.693147	-0.163659	112.598	32.0964
103	0.693147	-0.150969	112.621	31.9918
104	0.693147	-0.140835	112.641	31.8942

105	0.693147	-0.130716	112.658	31.8036
106	0.693147	-0.12061	112.673	31.72
107	0.693147	-0.107995	112.684	31.6451
108	0.693147	-0.0979139	112.694	31.5772
109	0.693147	-0.0878447	112.702	31.5163
110	0.693147	-0.0752698	112.707	31.4642
111	0.693147	-0.0652187	112.712	31.419
112	0.693147	-0.0551734	112.715	31.3807
113	0.693147	-0.0451348	112.717	31.3494
114	0.693147	-0.0325917	112.718	31.3268
115	0.693147	-0.0225612	112.718	31.3112
116	0.693147	-0.0125328	112.718	31.3025
117	0.693147	0	112.718	31.3025
118	0.693147	0.0125328	112.719	31.3112
119	0.693147	0.0225612	112.719	31.3268
120	0.693147	0.0325917	112.72	31.3494
121	0.693147	0.0451348	112.722	31.3807
122	0.693147	0.0551734	112.725	31.419
123	0.693147	0.0652187	112.729	31.4642
124	0.693147	0.0752698	112.735	31.5163
125	0.693147	0.0878447	112.743	31.5772
126	0.693147	0.0979139	112.752	31.6451
127	0.693147	0.107995	112.764	31.72
128	0.693147	0.12061	112.779	31.8036
129	0.875469	0.130716	112.796	31.918
130	1.09861	0.140835	112.816	32.0727
131	1.09861	0.150969	112.838	32.2386
132	1.16315	0.163659	112.865	32.4289
133	1.38629	0.173829	112.895	32.6699
134	1.38629	0.184017	112.929	32.925
135	1.38629	0.194225	112.967	33.1943
136	1.38629	0.207012	113.01	33.4813
137	1.38629	0.217267	113.057	33.7824
138	1.38629	0.227545	113.109	34.0979
139	1.38629	0.240426	113.167	34.4312
140	1.38629	0.250759	113.229	34.7788
141	1.38629	0.26112	113.298	35.1408
142	1.38629	0.271509	113.371	35.5172
143	1.72277	0.284535	113.452	36.0074
144	1.72277	0.294992	113.539	36.5156
145	1.72277	0.305481	113.633	37.0419
146	1.72277	0.316004	113.732	37.5863
147	1.72277	0.329206	113.841	38.1534
148	1.72277	0.33981	113.956	38.7388
149	1.72277	0.350451	114.079	39.3426
150	1.72277	0.363809	114.211	39.9693
151	1.72277	0.374544	114.352	40.6146
152	1.72277	0.385321	114.5	41.2784
153	1.72277	0.396142	114.657	41.9609
154	1.72277	0.409735	114.825	42.6667
155	1.72277	0.420664	115.002	43.3914
156	1.72277	0.431644	115.188	44.1351
157	1.72277	0.442676	115.384	44.8977
158	1.72277	0.456542	115.593	45.6842
159	1.72277	0.467699	115.811	46.4899
160	1.72277	0.478914	116.041	47.315
161	1.72277	0.493018	116.284	48.1644

162	1.72277	0.504372	116.538	49.0333
163	1.72277	0.515791	116.804	49.9219
164	1.72277	0.52728	117.082	50.8302
165	1.72277	0.541736	117.376	51.7635
166	1.72277	0.553384	117.682	52.7169
167	1.72277	0.565108	118.001	53.6904
168	1.72277	0.576911	118.334	54.6843
169	1.72277	0.591776	118.684	55.7038
170	1.72277	0.603765	119.049	56.7439
171	1.72277	0.615839	119.428	57.8049
172	1.72277	0.631062	119.826	58.8921
173	1.72277	0.643345	120.24	60.0004
174	1.72277	0.655726	120.67	61.1301
175	1.72277	0.668209	121.117	62.2812
176	1.72277	0.68396	121.585	63.4595
177	1.72277	0.696684	122.07	64.6598
178	1.72277	0.709522	122.573	65.8821
179	1.72277	0.722479	123.095	67.1268
180	1.72277	0.738846	123.641	68.3996
181	1.72277	0.752084	124.207	69.6953
182	1.72277	0.765456	124.793	71.014
183	1.72277	0.782366	125.405	72.3618
184	1.72277	0.796056	126.039	73.7332
185	1.72277	0.809896	126.695	75.1285
186	1.72277	0.823893	127.373	76.5479
187	1.72277	0.841621	128.082	77.9978
188	1.72277	0.855996	128.814	79.4725
189	1.72277	0.87055	129.572	80.9722
190	1.72277	0.885291	130.356	82.4974
191	1.72277	0.903992	131.173	84.0547
192	1.72277	0.919183	132.018	85.6383
193	1.72277	0.93459	132.892	87.2484
194	1.72277	0.954165	133.802	88.8922
195	1.72277	0.970094	134.743	90.5634
196	1.72277	0.986272	135.716	92.2625
197	1.72277	1.00271	136.721	93.99
198	1.72277	1.02365	137.769	95.7535
199	1.72277	1.04073	138.852	97.5464
200	1.72277	1.05812	139.972	99.3693
201	1.72277	1.07584	141.129	101.223
202	1.72277	1.09847	142.336	103.115
203	1.72277	1.11699	143.584	105.039
204	1.72277	1.1359	144.874	106.996
205	1.72277	1.16012	146.22	108.995
206	1.72277	1.18	147.612	111.028
207	1.72277	1.20036	149.053	113.096
208	1.72277	1.22123	150.544	115.2
209	1.72277	1.24809	152.102	117.35
210	1.72277	1.27024	153.716	119.538
211	1.72277	1.29303	155.388	121.766
212	1.72277	1.31652	157.121	124.034
213	1.72277	1.34694	158.935	126.354
214	1.72277	1.3722	160.818	128.718
215	1.72277	1.39838	162.773	131.127
216	1.72277	1.4325	164.825	133.595
217	1.72277	1.46106	166.96	136.112
218	1.72277	1.49085	169.183	138.681

219	1.72277	1.52203	171.499	141.303
220	1.72277	1.56322	173.943	143.996
221	1.72277	1.59819	176.497	146.749
222	1.72277	1.63524	179.171	149.566
223	1.72277	1.67466	181.976	152.451
224	1.72277	1.72793	184.962	155.428
225	1.72277	1.77438	188.11	158.485
226	1.72277	1.82501	191.441	161.629
227	2.30259	1.8957	195.034	165.994
228	3.55535	1.95996	198.876	172.962
229	3.55535	2.03352	203.011	180.192
230	3.55535	2.12007	207.506	187.73
231	3.55535	2.25713	212.6	195.755
232	3.55535	2.40892	218.403	204.319
233	3.55535	2.65209	225.437	213.748

Data Set Standard Deviation = 1.13949
Numerator = 45688.4
Denominator = 67910.1
W Statistic = 0.672777 = 45688.4 / 67910.1

5% Critical value of 0.976 exceeds 0.672777
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.672777
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Selenium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<0	113
	5/15/1996	ND<0	113
	5/16/1996	ND<0	113
	5/17/1996	ND<0	113
	11/5/1996	ND<0	113
	4/15/1997	ND<0	113
	10/31/1997	ND<0	113
	6/24/1998	ND<0	113
	12/10/1998	ND<0	113
	5/25/1999	ND<0	113
	11/19/1999	ND<0	113
	5/23/2000	ND<0	113
	12/14/2000	ND<0	113
	6/6/2001	0.693147	226
	11/15/2001	ND<0	113
	6/12/2002	ND<0	113
	11/5/2002	ND<0	113
	6/17/2003	ND<0	113
	12/5/2003	ND<0	113
	6/22/2004	ND<0	113
	10/20/2004	ND<0	113
	6/15/2005	ND<0.693147	113
	6/15/2005	ND<0.693147	113
	6/15/2005	ND<0.693147	113
	11/1/2005	ND<0.693147	113
	3/17/2006	1.09861	230
	9/11/2006	ND<0.693147	113
	2/21/2007	1.09861	231
	8/14/2007	ND<0.693147	113
	2/7/2008	1.38629	233
	8/4/2008	0.693147	227
	2/19/2009	ND<0.693147	113
	8/20/2009	ND<0.693147	113
	1/21/2010	ND<0.693147	113
	9/7/2010	ND<0.693147	113
	1/7/2011	0.693147	228
	8/1/2011	ND<0.693147	113
	2/24/2012	ND<0.693147	113
	8/22/2012	ND<0.693147	113
	1/10/2013	ND<0.693147	113
	8/28/2013	ND<0.693147	113
	2/4/2014	ND<0.693147	113
	8/7/2014	ND<0.693147	113
	2/11/2015	ND<0.693147	113
	8/20/2015	ND<0.693147	113
	2/17/2016	ND<0.693147	113

	2/17/2016	ND<0.693147	113
	8/3/2016	ND<1.38629	113
	1/12/2017	ND<1.38629	113
	7/20/2017	ND<1.38629	113
	1/23/2018	ND<3.55535 U	113
	7/12/2018	ND<3.55535	113
	2/13/2019	ND<2.30259	113
	8/16/2019	ND<1.72277	113
	3/17/2020	ND<1.72277	113
	8/25/2020	ND<1.72277	113
	3/16/2021	ND<1.72277	113
	7/26/2021	ND<1.72277	113
	3/2/2022	ND<1.72277	113
	9/21/2022	ND<1.72277	113
	3/9/2023	ND<1.72277	113
	7/19/2023	ND<1.72277	113
	1/23/2024	ND<1.72277	113
	8/26/2024	ND<1.72277	113
	2/3/2025	ND<1.72277	113
	7/22/2025	ND<1.72277	113
	1/6/2026	ND<1.72277	113
Rank Sum = 8268			
Rank Mean = 123.403			
M-17S	5/15/1996	ND<0	113
	11/5/1996	ND<0	113
	4/15/1997	ND<0	113
	10/30/1997	ND<0	113
	6/23/1998	ND<0	113
	12/9/1998	ND<0	113
	5/25/1999	ND<0	113
	11/16/1999	ND<0	113
	5/19/2000	ND<0	113
	12/12/2000	ND<0	113
	6/5/2001	ND<0	113
	11/15/2001	ND<0	113
	6/13/2002	ND<0	113
	11/7/2002	ND<0	113
	6/17/2003	ND<0	113
	12/4/2003	ND<0	113
	6/22/2004	ND<0	113
	10/19/2004	ND<0	113
	6/15/2005	ND<0.693147	113
	6/15/2005	ND<0.693147	113
	6/15/2005	ND<0.693147	113
	11/1/2005	ND<0.693147	113
	3/16/2006	ND<0.693147	113
	9/12/2006	ND<0.693147	113
	2/20/2007	ND<0.693147	113
	8/13/2007	ND<0.693147	113
	2/6/2008	ND<0.693147	113
	8/6/2008	ND<0.693147	113
	2/18/2009	ND<0.693147	113
	8/19/2009	ND<0.693147	113
	1/22/2010	ND<0.693147	113
	9/8/2010	ND<0.693147	113
	1/7/2011	ND<0.693147	113
	8/1/2011	ND<0.693147	113

	2/21/2012	ND<0.693147	113
	8/22/2012	ND<0.693147	113
	1/11/2013	ND<0.693147	113
	8/28/2013	ND<0.693147	113
	2/6/2014	ND<0.693147	113
	8/6/2014	ND<0.693147	113
	2/12/2015	1.16315	232
	8/20/2015	ND<0.693147	113
	2/17/2016	ND<0.693147	113
	2/17/2016	ND<0.693147	113
	8/4/2016	ND<1.38629	113
	1/12/2017	ND<1.38629	113
	7/19/2017	ND<1.38629	113
	1/23/2018	ND<3.55535 U	113
	7/11/2018	ND<3.55535	113
	2/13/2019	ND<1.72277	113
	8/13/2019	ND<1.72277	113
	3/17/2020	ND<1.72277	113
	8/27/2020	ND<1.72277	113
	3/15/2021	ND<1.72277	113
	7/27/2021	ND<1.72277	113
	3/3/2022	ND<1.72277	113
	9/21/2022	ND<1.72277	113
	3/9/2023	ND<1.72277	113
	7/24/2023	ND<1.72277	113
	1/23/2024	ND<1.72277	113
	8/26/2024	ND<1.72277	113
	2/3/2025	ND<1.72277	113
	7/21/2025	ND<1.72277	113
	1/6/2026	ND<1.72277	113
Rank Sum = 7351			
Rank Mean = 114.859			
M-23	12/8/1998	ND<0	113
	12/9/1998	ND<0	113
	12/10/1998	ND<0	113
	12/11/1998	ND<0	113
	5/27/1999	ND<0	113
	5/23/2000	ND<0	113
	11/17/2000	ND<0	113
	12/13/2000	ND<0	113
	6/8/2001	ND<0	113
	11/14/2001	ND<0	113
	6/14/2002	ND<0	113
	11/5/2002	ND<0	113
	6/17/2003	ND<0	113
	12/5/2003	ND<0	113
	6/25/2004	ND<0	113
	10/19/2004	ND<0.693147	113
	6/15/2005	ND<-6.21461	113
	6/15/2005	ND<-6.21461	113
	6/15/2005	ND<-6.21461	113
	11/2/2005	ND<0.693147	113
	3/16/2006	ND<0.693147	113
	9/12/2006	ND<0.693147	113
	2/22/2007	ND<0.693147	113
	8/15/2007	ND<0.693147	113
	2/6/2008	ND<0.693147	113

8/4/2008	ND<0.693147	113
2/18/2009	ND<0.693147	113
8/19/2009	ND<0.693147	113
1/21/2010	ND<0.693147	113
9/7/2010	ND<0.693147	113
1/7/2011	ND<0.693147	113
8/1/2011	ND<0.693147	113
2/21/2012	ND<0.693147	113
8/22/2012	ND<0.693147	113
1/11/2013	ND<0.693147	113
8/29/2013	ND<0.693147	113
2/6/2014	ND<0.693147	113
8/6/2014	ND<0.693147	113
2/10/2015	0.875469	229
8/18/2015	ND<0.693147	113
2/17/2016	ND<0.693147	113
2/17/2016	ND<0.693147	113
8/3/2016	ND<1.38629	113
1/12/2017	ND<1.38629	113
7/19/2017	ND<1.38629	113
1/23/2018	ND<3.55535 U	113
7/11/2018	ND<3.55535	113
2/13/2019	ND<1.72277	113
8/16/2019	ND<1.72277	113
3/17/2020	ND<1.72277	113
8/25/2020	ND<1.72277	113
3/16/2021	ND<1.72277	113
7/26/2021	ND<1.72277	113
3/2/2022	ND<1.72277	113
9/21/2022	ND<1.72277	113
3/9/2023	ND<1.72277	113
7/24/2023	ND<1.72277	113
1/23/2024	ND<1.72277	113
8/26/2024	ND<1.72277	113
2/3/2025	ND<1.72277	113
7/21/2025	ND<1.72277	113
1/6/2026	ND<1.72277	113

Rank Sum = 7122
Rank Mean = 114.871

Background Rank Sum = 22741
Background Rank Mean = 117.829

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<1.72277	113
	8/27/2024	ND<1.72277	113
	2/7/2025	ND<1.72277	113
	7/23/2025	ND<1.72277	113
	1/7/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

M-24D	1/24/2024	ND<1.72277	113
	8/29/2024	ND<1.72277	113
	2/5/2025	ND<1.72277	113

	7/24/2025	ND<1.72277	113
	1/8/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

M-7	1/24/2024	ND<1.72277	113
	8/28/2024	ND<1.72277	113
	2/4/2025	ND<1.72277	113
	7/21/2025	ND<1.72277	113
	1/5/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

M-8	1/24/2024	ND<1.72277	113
	8/27/2024	ND<1.72277	113
	2/5/2025	ND<1.72277	113
	7/24/2025	ND<1.72277	113
	1/8/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

M-18	1/25/2024	ND<1.72277	113
	8/28/2024	ND<1.72277	113
	2/5/2025	ND<1.72277	113
	7/22/2025	ND<1.72277	113
	1/7/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

M-9S	1/25/2024	ND<1.72277	113
	8/28/2024	ND<1.72277	113
	2/5/2025	ND<1.72277	113
	7/22/2025	ND<1.72277	113
	1/8/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

M-21	1/22/2024	ND<1.72277	113
	8/27/2024	ND<1.72277	113
	2/4/2025	ND<1.72277	113
	7/21/2025	ND<1.72277	113
	1/7/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

M-19	1/22/2024	ND<1.72277	113
	8/29/2024	ND<1.72277	113
	2/3/2025	ND<1.72277	113
	7/23/2025	ND<1.72277	113
	1/6/2026	ND<1.72277	113

Rank Sum = 565
Rank Mean = 113

Calculation Results:

Kruskal-Wallis H Statistic = 0.170054
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 1.70893

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
0.170054 < 15.5073 indicating no significant group difference at 5% significance level
1.70893 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Silver, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-4.60517	-2.65209	7.03356	12.2133
2	-4.60517	-2.40892	12.8365	23.3068
3	-4.60517	-2.25713	17.9311	33.7013
4	-0.174353	-2.12007	22.4258	34.0709
5	-0.0100503	-2.03352	26.561	34.0914
6	0	-1.95996	30.4025	34.0914
7	0	-1.8957	33.9961	34.0914
8	0	-1.82501	37.3268	34.0914
9	0	-1.77438	40.4752	34.0914
10	0	-1.72793	43.4609	34.0914
11	0	-1.67466	46.2654	34.0914
12	0	-1.63524	48.9394	34.0914
13	0	-1.59819	51.4936	34.0914
14	0	-1.56322	53.9373	34.0914
15	0	-1.52203	56.2539	34.0914
16	0	-1.49085	58.4765	34.0914
17	0	-1.46106	60.6112	34.0914
18	0	-1.4325	62.6633	34.0914
19	0	-1.39838	64.6187	34.0914
20	0	-1.3722	66.5017	34.0914
21	0	-1.34694	68.3159	34.0914
22	0	-1.31652	70.0492	34.0914
23	0	-1.29303	71.7211	34.0914
24	0	-1.27024	73.3346	34.0914
25	0	-1.24809	74.8923	34.0914
26	0	-1.22123	76.3837	34.0914
27	0	-1.20036	77.8246	34.0914
28	0	-1.18	79.217	34.0914
29	0	-1.16012	80.5629	34.0914
30	0	-1.1359	81.8531	34.0914
31	0	-1.11699	83.1008	34.0914
32	0	-1.09847	84.3074	34.0914
33	0	-1.07584	85.4648	34.0914
34	0	-1.05812	86.5845	34.0914
35	0	-1.04073	87.6676	34.0914
36	0	-1.02365	88.7154	34.0914
37	0	-1.00271	89.7209	34.0914
38	0	-0.986272	90.6936	34.0914
39	0	-0.970094	91.6347	34.0914
40	0	-0.954165	92.5451	34.0914
41	0	-0.93459	93.4186	34.0914
42	0	-0.919183	94.2635	34.0914
43	0	-0.903992	95.0807	34.0914
44	0	-0.885291	95.8644	34.0914
45	0	-0.87055	96.6223	34.0914
46	0	-0.855996	97.355	34.0914
47	0	-0.841621	98.0633	34.0914

48	0	-0.823893	98.7421	34.0914
49	0	-0.809896	99.3981	34.0914
50	0	-0.796056	100.032	34.0914
51	0	-0.782366	100.644	34.0914
52	0	-0.765456	101.23	34.0914
53	0	-0.752084	101.795	34.0914
54	0	-0.738846	102.341	34.0914
55	0	-0.722479	102.863	34.0914
56	0	-0.709522	103.367	34.0914
57	0	-0.696684	103.852	34.0914
58	0	-0.68396	104.32	34.0914
59	0	-0.668209	104.766	34.0914
60	0	-0.655726	105.196	34.0914
61	0	-0.643345	105.61	34.0914
62	0	-0.631062	106.008	34.0914
63	0	-0.615839	106.388	34.0914
64	0	-0.603765	106.752	34.0914
65	0	-0.591776	107.102	34.0914
66	0	-0.576911	107.435	34.0914
67	0	-0.565108	107.755	34.0914
68	0	-0.553384	108.061	34.0914
69	0	-0.541736	108.354	34.0914
70	0	-0.52728	108.632	34.0914
71	0	-0.515791	108.898	34.0914
72	0	-0.504372	109.153	34.0914
73	0	-0.493018	109.396	34.0914
74	0	-0.478914	109.625	34.0914
75	0	-0.467699	109.844	34.0914
76	0	-0.456542	110.052	34.0914
77	0.336472	-0.442676	110.248	33.9424
78	0.788457	-0.431644	110.435	33.6021
79	0.788457	-0.420664	110.612	33.2704
80	0.788457	-0.409735	110.78	32.9473
81	0.788457	-0.396142	110.936	32.635
82	0.788457	-0.385321	111.085	32.3312
83	0.788457	-0.374544	111.225	32.0359
84	0.788457	-0.363809	111.358	31.749
85	0.788457	-0.350451	111.48	31.4727
86	0.788457	-0.33981	111.596	31.2048
87	0.788457	-0.329206	111.704	30.9452
88	0.788457	-0.316004	111.804	30.6961
89	0.788457	-0.305481	111.897	30.4552
90	0.788457	-0.294992	111.984	30.2226
91	0.788457	-0.284535	112.065	29.9983
92	0.788457	-0.271509	112.139	29.7842
93	0.788457	-0.26112	112.207	29.5783
94	0.788457	-0.250759	112.27	29.3806
95	0.788457	-0.240426	112.328	29.191
96	0.788457	-0.227545	112.38	29.0116
97	0.788457	-0.217267	112.427	28.8403
98	0.788457	-0.207012	112.47	28.6771
99	0.788457	-0.194225	112.508	28.524
100	0.788457	-0.184017	112.541	28.3789
101	0.788457	-0.173829	112.572	28.2418
102	0.788457	-0.163659	112.598	28.1128
103	0.788457	-0.150969	112.621	27.9938
104	0.788457	-0.140835	112.641	27.8827

105	0.788457	-0.130716	112.658	27.7796
106	0.788457	-0.12061	112.673	27.6846
107	0.788457	-0.107995	112.684	27.5994
108	0.788457	-0.0979139	112.694	27.5222
109	0.788457	-0.0878447	112.702	27.4529
110	0.788457	-0.0752698	112.707	27.3936
111	0.788457	-0.0652187	112.712	27.3422
112	0.788457	-0.0551734	112.715	27.2987
113	0.788457	-0.0451348	112.717	27.2631
114	0.788457	-0.0325917	112.718	27.2374
115	0.788457	-0.0225612	112.718	27.2196
116	0.788457	-0.0125328	112.718	27.2097
117	0.788457	0	112.718	27.2097
118	0.788457	0.0125328	112.719	27.2196
119	0.788457	0.0225612	112.719	27.2374
120	0.788457	0.0325917	112.72	27.2631
121	0.788457	0.0451348	112.722	27.2987
122	0.788457	0.0551734	112.725	27.3422
123	0.788457	0.0652187	112.729	27.3936
124	0.788457	0.0752698	112.735	27.4529
125	0.788457	0.0878447	112.743	27.5222
126	0.788457	0.0979139	112.752	27.5994
127	0.788457	0.107995	112.764	27.6846
128	0.788457	0.12061	112.779	27.7796
129	0.788457	0.130716	112.796	27.8827
130	0.788457	0.140835	112.816	27.9938
131	0.788457	0.150969	112.838	28.1128
132	0.788457	0.163659	112.865	28.2418
133	0.788457	0.173829	112.895	28.3789
134	0.788457	0.184017	112.929	28.524
135	0.788457	0.194225	112.967	28.6771
136	0.788457	0.207012	113.01	28.8403
137	0.788457	0.217267	113.057	29.0116
138	0.788457	0.227545	113.109	29.191
139	0.788457	0.240426	113.167	29.3806
140	0.788457	0.250759	113.229	29.5783
141	0.788457	0.26112	113.298	29.7842
142	0.788457	0.271509	113.371	29.9983
143	0.788457	0.284535	113.452	30.2226
144	0.788457	0.294992	113.539	30.4552
145	0.788457	0.305481	113.633	30.6961
146	0.788457	0.316004	113.732	30.9452
147	0.788457	0.329206	113.841	31.2048
148	0.788457	0.33981	113.956	31.4727
149	0.788457	0.350451	114.079	31.749
150	0.788457	0.363809	114.211	32.0359
151	0.788457	0.374544	114.352	32.3312
152	0.788457	0.385321	114.5	32.635
153	0.788457	0.396142	114.657	32.9473
154	0.788457	0.409735	114.825	33.2704
155	0.788457	0.420664	115.002	33.6021
156	0.788457	0.431644	115.188	33.9424
157	0.788457	0.442676	115.384	34.2914
158	0.832909	0.456542	115.593	34.6717
159	1.38629	0.467699	115.811	35.3201
160	2.30259	0.478914	116.041	36.4228
161	2.30259	0.493018	116.284	37.558

162	2.30259	0.504372	116.538	38.7194
163	2.30259	0.515791	116.804	39.907
164	2.30259	0.52728	117.082	41.1211
165	2.30259	0.541736	117.376	42.3685
166	2.30259	0.553384	117.682	43.6427
167	2.30259	0.565108	118.001	44.944
168	2.30259	0.576911	118.334	46.2723
169	2.30259	0.591776	118.684	47.635
170	2.30259	0.603765	119.049	49.0252
171	2.30259	0.615839	119.428	50.4432
172	2.30259	0.631062	119.826	51.8963
173	2.30259	0.643345	120.24	53.3776
174	2.30259	0.655726	120.67	54.8875
175	2.30259	0.668209	121.117	56.4261
176	2.30259	0.68396	121.585	58.001
177	2.30259	0.696684	122.07	59.6052
178	2.30259	0.709522	122.573	61.2389
179	2.30259	0.722479	123.095	62.9025
180	2.30259	0.738846	123.641	64.6037
181	2.30259	0.752084	124.207	66.3355
182	2.30259	0.765456	124.793	68.098
183	2.30259	0.782366	125.405	69.8994
184	2.30259	0.796056	126.039	71.7324
185	2.30259	0.809896	126.695	73.5973
186	2.30259	0.823893	127.373	75.4944
187	2.30259	0.841621	128.082	77.4323
188	2.30259	0.855996	128.814	79.4033
189	2.30259	0.87055	129.572	81.4078
190	2.30259	0.885291	130.356	83.4462
191	2.30259	0.903992	131.173	85.5278
192	2.30259	0.919183	132.018	87.6443
193	2.30259	0.93459	132.892	89.7962
194	2.30259	0.954165	133.802	91.9933
195	2.30259	0.970094	134.743	94.227
196	2.30259	0.986272	135.716	96.498
197	2.30259	1.00271	136.721	98.8068
198	2.30259	1.02365	137.769	101.164
199	2.30259	1.04073	138.852	103.56
200	2.30259	1.05812	139.972	105.997
201	2.30259	1.07584	141.129	108.474
202	2.30259	1.09847	142.336	111.003
203	2.30259	1.11699	143.584	113.575
204	2.30259	1.1359	144.874	116.191
205	2.30259	1.16012	146.22	118.862
206	2.30259	1.18	147.612	121.579
207	2.30259	1.20036	149.053	124.343
208	2.30259	1.22123	150.544	127.155
209	2.30259	1.24809	152.102	130.029
210	2.30259	1.27024	153.716	132.954
211	2.30259	1.29303	155.388	135.931
212	2.30259	1.31652	157.121	138.962
213	2.30259	1.34694	158.935	142.064
214	2.30259	1.3722	160.818	145.223
215	2.30259	1.39838	162.773	148.443
216	2.30259	1.4325	164.825	151.742
217	2.30259	1.46106	166.96	155.106
218	2.30259	1.49085	169.183	158.539

219	2.30259	1.52203	171.499	162.043
220	2.30259	1.56322	173.943	165.643
221	2.30259	1.59819	176.497	169.323
222	2.30259	1.63524	179.171	173.088
223	2.30259	1.67466	181.976	176.944
224	2.30259	1.72793	184.962	180.923
225	2.30259	1.77438	188.11	185.008
226	2.30259	1.82501	191.441	189.211
227	2.30259	1.8957	195.034	193.576
228	2.30259	1.95996	198.876	198.089
229	2.30259	2.03352	203.011	202.771
230	2.30259	2.12007	207.506	207.653
231	2.30259	2.25713	212.6	212.85
232	2.30259	2.40892	218.403	218.397
233	2.30259	2.65209	225.437	224.503

Data Set Standard Deviation = 1.13124
Numerator = 50401.7
Denominator = 66930.2
W Statistic = 0.753049 = 50401.7 / 66930.2

5% Critical value of 0.976 exceeds 0.753049
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.753049
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Silver, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<0	116
	5/15/1996	ND<0	116
	5/16/1996	ND<0	116
	5/17/1996	ND<0	116
	11/5/1996	ND<0	116
	4/15/1997	ND<0	116
	10/31/1997	ND<0	116
	6/24/1998	ND<0	116
	12/10/1998	ND<0	116
	5/25/1999	ND<0	116
	11/19/1999	ND<0	116
	5/23/2000	ND<0	116
	12/14/2000	ND<0	116
	6/6/2001	ND<0	116
	11/15/2001	ND<0	116
	6/12/2002	ND<0	116
	11/5/2002	ND<0	116
	6/17/2003	ND<0	116
	12/5/2003	ND<0	116
	6/22/2004	ND<0	116
	10/20/2004	ND<0	116
	6/15/2005	ND<2.30259	116
	6/15/2005	ND<2.30259	116
	6/15/2005	ND<2.30259	116
	11/1/2005	ND<2.30259	116
	3/17/2006	ND<2.30259	116
	9/11/2006	ND<2.30259	116
	2/21/2007	ND<2.30259	116
	8/14/2007	ND<2.30259	116
	2/7/2008	ND<0	116
	8/4/2008	ND<0	116
	2/19/2009	ND<0	116
	8/20/2009	ND<2.30259	116
	1/21/2010	ND<2.30259	116
	9/7/2010	ND<2.30259	116
	1/7/2011	ND<2.30259	116
	8/1/2011	ND<2.30259	116
	2/24/2012	ND<2.30259	116
	8/22/2012	ND<2.30259	116
	1/10/2013	ND<2.30259	116
	8/28/2013	ND<2.30259	116
	2/4/2014	ND<2.30259	116
	8/7/2014	ND<2.30259	116
	2/11/2015	ND<2.30259	116
	8/20/2015	ND<2.30259	116
	2/17/2016	ND<2.30259	116

	2/17/2016	ND<2.30259	116
	8/3/2016	ND<0	116
	1/12/2017	ND<0	116
	7/20/2017	ND<0	116
	1/23/2018	ND<2.30259 U	116
	7/12/2018	ND<2.30259	116
	2/13/2019	ND<1.38629	116
	8/16/2019	ND<0.788457	116
	3/17/2020	ND<0.788457	116
	8/25/2020	ND<0.788457	116
	3/16/2021	0.832909	232
	7/26/2021	ND<0.788457	116
	3/2/2022	ND<0.788457	116
	9/21/2022	ND<0.788457	116
	3/9/2023	ND<0.788457	116
	7/19/2023	ND<0.788457	116
	1/23/2024	ND<0.788457	116
	8/26/2024	ND<0.788457	116
	2/3/2025	ND<0.788457	116
	7/22/2025	ND<0.788457	116
	1/6/2026	ND<0.788457	116

Rank Sum = 7888
Rank Mean = 117.731

M-17S	5/15/1996	ND<0	116
	11/5/1996	ND<0	116
	4/15/1997	ND<0	116
	10/30/1997	ND<0	116
	6/23/1998	2.30259	233
	12/9/1998	ND<0	116
	5/25/1999	ND<0	116
	11/16/1999	ND<0	116
	5/19/2000	ND<0	116
	12/12/2000	ND<0	116
	6/5/2001	ND<0	116
	11/15/2001	ND<0	116
	6/13/2002	ND<0	116
	11/7/2002	ND<0	116
	6/17/2003	ND<0	116
	12/4/2003	ND<0	116
	6/22/2004	ND<0	116
	10/19/2004	ND<0	116
	6/15/2005	ND<2.30259	116
	6/15/2005	ND<2.30259	116
	6/15/2005	ND<2.30259	116
	11/1/2005	ND<2.30259	116
	3/16/2006	ND<2.30259	116
	9/12/2006	ND<2.30259	116
	2/20/2007	ND<2.30259	116
	8/13/2007	ND<2.30259	116
	2/6/2008	ND<0	116
	8/6/2008	ND<0	116
	2/18/2009	ND<0	116
	8/19/2009	ND<2.30259	116
	1/22/2010	ND<2.30259	116
	9/8/2010	ND<2.30259	116
	1/7/2011	ND<2.30259	116
	8/1/2011	ND<2.30259	116

	2/21/2012	ND<2.30259	116
	8/22/2012	ND<2.30259	116
	1/11/2013	ND<2.30259	116
	8/28/2013	ND<2.30259	116
	2/6/2014	ND<2.30259	116
	8/6/2014	ND<2.30259	116
	2/12/2015	ND<2.30259	116
	8/20/2015	ND<2.30259	116
	2/17/2016	ND<2.30259	116
	2/17/2016	ND<2.30259	116
	8/4/2016	ND<0	116
	1/12/2017	ND<0	116
	7/19/2017	ND<0	116
	1/23/2018	ND<2.30259 U	116
	7/11/2018	ND<2.30259	116
	2/13/2019	ND<0.788457	116
	8/13/2019	ND<0.788457	116
	3/17/2020	ND<-0.0100503	116
	8/27/2020	ND<0.788457	116
	3/15/2021	ND<-0.174353 J	116
	7/27/2021	ND<0.336472 J	116
	3/3/2022	ND<0.788457	116
	9/21/2022	ND<0.788457	116
	3/9/2023	ND<0.788457	116
	7/24/2023	ND<0.788457	116
	1/23/2024	ND<0.788457	116
	8/26/2024	ND<0.788457	116
	2/3/2025	ND<0.788457	116
	7/21/2025	ND<0.788457	116
	1/6/2026	ND<0.788457	116
Rank Sum = 7541			
Rank Mean = 117.828			
M-23	12/8/1998	ND<0	116
	12/9/1998	ND<0	116
	12/10/1998	ND<0	116
	12/11/1998	ND<0	116
	5/27/1999	ND<0	116
	5/23/2000	ND<0	116
	11/17/2000	ND<0	116
	12/13/2000	ND<0	116
	6/8/2001	ND<0	116
	11/14/2001	ND<0	116
	6/14/2002	ND<0	116
	11/5/2002	ND<0	116
	6/17/2003	ND<0	116
	12/5/2003	ND<0	116
	6/25/2004	ND<0	116
	10/19/2004	ND<2.30259	116
	6/15/2005	ND<-4.60517	116
	6/15/2005	ND<-4.60517	116
	6/15/2005	ND<-4.60517	116
	11/2/2005	ND<2.30259	116
	3/16/2006	ND<2.30259	116
	9/12/2006	ND<2.30259	116
	2/22/2007	ND<2.30259	116
	8/15/2007	ND<2.30259	116
	2/6/2008	ND<0	116

8/4/2008	ND<0	116
2/18/2009	ND<0	116
8/19/2009	ND<2.30259	116
1/21/2010	ND<2.30259	116
9/7/2010	ND<2.30259	116
1/7/2011	ND<2.30259	116
8/1/2011	ND<2.30259	116
2/21/2012	ND<2.30259	116
8/22/2012	ND<2.30259	116
1/11/2013	ND<2.30259	116
8/29/2013	ND<2.30259	116
2/6/2014	ND<2.30259	116
8/6/2014	ND<2.30259	116
2/10/2015	ND<2.30259	116
8/18/2015	ND<2.30259	116
2/17/2016	ND<2.30259	116
2/17/2016	ND<2.30259	116
8/3/2016	ND<0	116
1/12/2017	ND<0	116
7/19/2017	ND<0	116
1/23/2018	ND<2.30259 U	116
7/11/2018	ND<2.30259	116
2/13/2019	ND<0.788457	116
8/16/2019	ND<0.788457	116
3/17/2020	ND<0.788457	116
8/25/2020	ND<0.788457	116
3/16/2021	ND<0.788457	116
7/26/2021	ND<0.788457	116
3/2/2022	ND<0.788457	116
9/21/2022	ND<0.788457	116
3/9/2023	ND<0.788457	116
7/24/2023	ND<0.788457	116
1/23/2024	ND<0.788457	116
8/26/2024	ND<0.788457	116
2/3/2025	ND<0.788457	116
7/21/2025	ND<0.788457	116
1/6/2026	ND<0.788457	116

Rank Sum = 7192
Rank Mean = 116

Background Rank Sum = 22621
Background Rank Mean = 117.207

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.788457	116
	8/27/2024	ND<0.788457	116
	2/7/2025	ND<0.788457	116
	7/23/2025	ND<0.788457	116
	1/7/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

M-24D	1/24/2024	ND<0.788457	116
	8/29/2024	ND<0.788457	116
	2/5/2025	ND<0.788457	116

	7/24/2025	ND<0.788457	116
	1/8/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

M-7	1/24/2024	ND<0.788457	116
	8/28/2024	ND<0.788457	116
	2/4/2025	ND<0.788457	116
	7/21/2025	ND<0.788457	116
	1/5/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

M-8	1/24/2024	ND<0.788457	116
	8/27/2024	ND<0.788457	116
	2/5/2025	ND<0.788457	116
	7/24/2025	ND<0.788457	116
	1/8/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

M-18	1/25/2024	ND<0.788457	116
	8/28/2024	ND<0.788457	116
	2/5/2025	ND<0.788457	116
	7/22/2025	ND<0.788457	116
	1/7/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

M-9S	1/25/2024	ND<0.788457	116
	8/28/2024	ND<0.788457	116
	2/5/2025	ND<0.788457	116
	7/22/2025	ND<0.788457	116
	1/8/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

M-21	1/22/2024	ND<0.788457	116
	8/27/2024	ND<0.788457	116
	2/4/2025	ND<0.788457	116
	7/21/2025	ND<0.788457	116
	1/7/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

M-19	1/22/2024	ND<0.788457	116
	8/29/2024	ND<0.788457	116
	2/3/2025	ND<0.788457	116
	7/23/2025	ND<0.788457	116
	1/6/2026	ND<0.788457	116

Rank Sum = 580
Rank Mean = 116

Calculation Results:

Kruskal-Wallis H Statistic = 0.0106284
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0.416294

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
0.0106284 < 15.5073 indicating no significant group difference at 5% significance level
0.416294 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Sodium, Total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 273

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	5.29832	-2.74777	7.55021	-14.5585
2	5.29832	-2.45727	13.5884	-27.5779
3	7.31322	-2.32634	19.0003	-44.591
4	7.45008	-2.19728	23.8283	-60.9609
5	7.46164	-2.09693	28.2255	-76.6075
6	7.48437	-2.03352	32.3607	-91.8271
7	7.48997	-1.95996	36.2021	-106.507
8	7.50108	-1.8957	39.7958	-120.727
9	7.50659	-1.85218	43.2263	-134.63
10	7.53369	-1.79912	46.4632	-148.184
11	7.53903	-1.75069	49.5281	-161.383
12	7.53903	-1.71688	52.4757	-174.327
13	7.54433	-1.67466	55.2802	-186.961
14	7.54433	-1.63524	57.9542	-199.298
15	7.54961	-1.60725	60.5375	-211.432
16	7.55486	-1.57179	63.008	-223.306
17	7.58579	-1.5382	65.3741	-234.975
18	7.62071	-1.5141	67.6666	-246.513
19	7.64969	-1.48328	69.8667	-257.86
20	7.66388	-1.46106	72.0014	-269.057
21	7.67786	-1.4325	74.0535	-280.056
22	7.68248	-1.40507	76.0277	-290.85
23	7.68708	-1.38517	77.9464	-301.498
24	7.70075	-1.35946	79.7945	-311.967
25	7.73631	-1.33462	81.5758	-322.292
26	7.73631	-1.31652	83.309	-332.477
27	7.73631	-1.29303	84.9809	-342.481
28	7.77065	-1.27024	86.5944	-352.351
29	7.79975	-1.25357	88.1658	-362.129
30	7.82405	-1.23187	89.6833	-371.767
31	7.82405	-1.21073	91.1492	-381.24
32	7.83597	-1.19522	92.5778	-390.605
33	7.84776	-1.17499	93.9583	-399.826
34	7.86327	-1.15522	95.2929	-408.91
35	7.86327	-1.14069	96.5941	-417.88
36	7.86327	-1.12168	97.8522	-426.7
37	7.87853	-1.10306	99.069	-435.39
38	7.88231	-1.08935	100.256	-443.977
39	7.90101	-1.07138	101.403	-452.442
40	7.90101	-1.05812	102.523	-460.802
41	7.93737	-1.04073	103.606	-469.063
42	7.99294	-1.02365	104.654	-477.245
43	8.01961	-1.01104	105.676	-485.353
44	8.07091	-0.994457	106.665	-493.379
45	8.18312	-0.97815	107.622	-501.383
46	8.36404	-0.966088	108.555	-509.464
47	8.42945	-0.950222	109.458	-517.474

48	8.43381	-0.93459	110.332	-525.356
49	8.49699	-0.923014	111.184	-533.199
50	8.50106	-0.907769	112.008	-540.916
51	8.56217	-0.892733	112.805	-548.559
52	8.56789	-0.881587	113.582	-556.113
53	8.58672	-0.866894	114.333	-563.556
54	8.58858	-0.852385	115.06	-570.877
55	8.59415	-0.841621	115.768	-578.11
56	8.60153	-0.827417	116.453	-585.227
57	8.61975	-0.813379	117.114	-592.238
58	8.62873	-0.802956	117.759	-599.167
59	8.63764	-0.789191	118.382	-605.984
60	8.64471	-0.778966	118.989	-612.718
61	8.65172	-0.765456	119.575	-619.34
62	8.65869	-0.752084	120.14	-625.852
63	8.66734	-0.742143	120.691	-632.285
64	8.67077	-0.729003	121.223	-638.606
65	8.72583	-0.715986	121.735	-644.853
66	8.74194	-0.706302	122.234	-651.028
67	8.76249	-0.693493	122.715	-657.104
68	8.76405	-0.680797	123.179	-663.071
69	8.77028	-0.671346	123.629	-668.959
70	8.79785	-0.658838	124.063	-674.755
71	8.80087	-0.646431	124.481	-680.444
72	8.80687	-0.637192	124.887	-686.056
73	8.84072	-0.624956	125.278	-691.581
74	8.91193	-0.612813	125.653	-697.042
75	8.92665	-0.603765	126.018	-702.432
76	8.96827	-0.591776	126.368	-707.739
77	9.06416	-0.579873	126.704	-712.995
78	9.07452	-0.570999	127.03	-718.177
79	9.07452	-0.559237	127.343	-723.252
80	9.07452	-0.550465	127.646	-728.247
81	9.08817	-0.538836	127.936	-733.144
82	9.1226	-0.52728	128.214	-737.954
83	9.1474	-0.518658	128.483	-742.698
84	9.26861	-0.507221	128.741	-747.4
85	9.29652	-0.49585	128.987	-752.009
86	9.3147	-0.487364	129.224	-756.549
87	9.3147	-0.476105	129.451	-760.984
88	9.3147	-0.464904	129.667	-765.314
89	9.33256	-0.456542	129.875	-769.575
90	9.33256	-0.445443	130.074	-773.732
91	9.33256	-0.434397	130.262	-777.786
92	9.33256	-0.426148	130.444	-781.763
93	9.34137	-0.415193	130.616	-785.641
94	9.51783	-0.40429	130.78	-789.489
95	9.54681	-0.396142	130.937	-793.271
96	9.58878	-0.385321	131.085	-796.966
97	9.64212	-0.374544	131.226	-800.577
98	9.66142	-0.36649	131.36	-804.118
99	9.68657	-0.355788	131.487	-807.565
100	9.69892	-0.347787	131.607	-810.938
101	9.70504	-0.337155	131.721	-814.21
102	9.71112	-0.326561	131.828	-817.381
103	9.72316	-0.318639	131.929	-820.479
104	9.72316	-0.308108	132.024	-823.475

105	9.73507	-0.297612	132.113	-826.372
106	9.74097	-0.28976	132.197	-829.195
107	9.75266	-0.279319	132.275	-831.919
108	9.75846	-0.268908	132.347	-834.543
109	9.76996	-0.26112	132.415	-837.094
110	9.77565	-0.250759	132.478	-839.546
111	9.77565	-0.240426	132.536	-841.896
112	9.77565	-0.232693	132.59	-844.171
113	9.78132	-0.222403	132.64	-846.346
114	9.79813	-0.212137	132.685	-848.425
115	9.79813	-0.204452	132.726	-850.428
116	9.81466	-0.194225	132.764	-852.334
117	9.82011	-0.184017	132.798	-854.141
118	9.82553	-0.176374	132.829	-855.874
119	9.85744	-0.166199	132.857	-857.513
120	9.90349	-0.158579	132.882	-859.083
121	9.92329	-0.148434	132.904	-860.556
122	9.93789	-0.138305	132.923	-861.93
123	9.96176	-0.130716	132.94	-863.233
124	9.96176	-0.12061	132.955	-864.434
125	9.96646	-0.110516	132.967	-865.536
126	9.98507	-0.102953	132.977	-866.564
127	9.98967	-0.0928787	132.986	-867.491
128	9.99424	-0.0828129	132.993	-868.319
129	9.99424	-0.0752698	132.999	-869.071
130	10.0168	-0.0652187	133.003	-869.725
131	10.0301	-0.0551734	133.006	-870.278
132	10.0519	-0.0476439	133.008	-870.757
133	10.0519	-0.0376076	133.01	-871.135
134	10.0562	-0.0275759	133.01	-871.412
135	10.0648	-0.0200544	133.011	-871.614
136	10.069	-0.0100272	133.011	-871.715
137	10.1023	0	133.011	-871.715
138	10.1887	0.0100272	133.011	-871.613
139	10.1887	0.0200544	133.011	-871.408
140	10.1924	0.0275759	133.012	-871.127
141	10.2471	0.0376076	133.014	-870.742
142	10.3222	0.0476439	133.016	-870.25
143	10.3222	0.0551734	133.019	-869.681
144	10.3222	0.0652187	133.023	-869.008
145	10.345	0.0752698	133.029	-868.229
146	10.3735	0.0828129	133.036	-867.37
147	10.3766	0.0928787	133.044	-866.406
148	10.3797	0.102953	133.055	-865.337
149	10.3921	0.110516	133.067	-864.189
150	10.3921	0.12061	133.082	-862.936
151	10.4133	0.130716	133.099	-861.574
152	10.4223	0.138305	133.118	-860.133
153	10.4371	0.148434	133.14	-858.584
154	10.4602	0.158579	133.165	-856.925
155	10.4801	0.166199	133.193	-855.183
156	10.4829	0.176374	133.224	-853.334
157	10.548	0.184017	133.258	-851.393
158	10.5506	0.194225	133.295	-849.344
159	10.5532	0.204452	133.337	-847.186
160	10.561	0.212137	133.382	-844.946
161	10.5662	0.222403	133.432	-842.596

162	10.5891	0.232693	133.486	-840.132
163	10.6041	0.240426	133.544	-837.583
164	10.6115	0.250759	133.606	-834.922
165	10.6238	0.26112	133.675	-832.148
166	10.6262	0.268908	133.747	-829.29
167	10.6359	0.279319	133.825	-826.319
168	10.6383	0.28976	133.909	-823.237
169	10.6805	0.297612	133.997	-820.058
170	10.6851	0.308108	134.092	-816.766
171	10.6897	0.318639	134.194	-813.36
172	10.7342	0.326561	134.301	-809.854
173	10.7451	0.337155	134.414	-806.232
174	10.7515	0.347787	134.535	-802.492
175	10.7579	0.355788	134.662	-798.665
176	10.7831	0.36649	134.796	-794.713
177	10.7873	0.374544	134.936	-790.673
178	10.7934	0.385321	135.085	-786.514
179	10.8178	0.396142	135.242	-782.228
180	10.8435	0.40429	135.405	-777.844
181	10.8893	0.415193	135.578	-773.323
182	10.893	0.426148	135.759	-768.681
183	10.8949	0.434397	135.948	-763.949
184	10.9402	0.445443	136.146	-759.075
185	10.9613	0.456542	136.355	-754.071
186	10.9682	0.464904	136.571	-748.972
187	10.9937	0.476105	136.798	-743.738
188	11.0087	0.487364	137.035	-738.372
189	11.0121	0.49585	137.281	-732.912
190	11.0477	0.507221	137.538	-727.308
191	11.0821	0.518658	137.807	-721.561
192	11.0913	0.52728	138.085	-715.712
193	11.1169	0.538836	138.376	-709.722
194	11.1419	0.550465	138.679	-703.589
195	11.1927	0.559237	138.991	-697.33
196	11.1982	0.570999	139.317	-690.935
197	11.2266	0.579873	139.654	-684.425
198	11.2266	0.591776	140.004	-677.782
199	11.2266	0.603765	140.368	-671.004
200	11.2619	0.612813	140.744	-664.102
201	11.3851	0.624956	141.135	-656.987
202	11.3975	0.637192	141.541	-649.725
203	11.4009	0.646431	141.958	-642.355
204	11.4153	0.658838	142.392	-634.834
205	11.4197	0.671346	142.843	-627.167
206	11.4542	0.680797	143.307	-619.369
207	11.4794	0.693493	143.788	-611.408
208	11.4866	0.706302	144.286	-603.295
209	11.4958	0.715986	144.799	-595.065
210	11.5079	0.729003	145.331	-586.675
211	11.5089	0.742143	145.881	-578.134
212	11.5229	0.752084	146.447	-569.468
213	11.5229	0.765456	147.033	-560.648
214	11.5521	0.778966	147.64	-551.649
215	11.5617	0.789191	148.262	-542.524
216	11.5806	0.802956	148.907	-533.226
217	11.6351	0.813379	149.569	-523.762
218	11.644	0.827417	150.253	-514.128

219	11.6784	0.841621	150.962	-504.299
220	11.6784	0.852385	151.688	-494.344
221	11.6952	0.866894	152.44	-484.206
222	11.7118	0.881587	153.217	-473.881
223	11.7118	0.892733	154.014	-463.425
224	11.7118	0.907769	154.838	-452.794
225	11.7199	0.923014	155.69	-441.976
226	11.7199	0.93459	156.563	-431.023
227	11.7199	0.950222	157.466	-419.886
228	11.728	0.966088	158.4	-408.556
229	11.7361	0.97815	159.356	-397.076
230	11.7361	0.994457	160.345	-385.405
231	11.744	1.01104	161.368	-373.532
232	11.744	1.02365	162.415	-361.51
233	11.744	1.04073	163.499	-349.287
234	11.7519	1.05812	164.618	-336.852
235	11.7676	1.07138	165.766	-324.245
236	11.7753	1.08935	166.953	-311.417
237	11.783	1.10306	168.169	-298.42
238	11.7906	1.12168	169.428	-285.195
239	11.7981	1.14069	170.729	-271.737
240	11.8056	1.15522	172.063	-258.099
241	11.8056	1.17499	173.444	-244.227
242	11.8204	1.19522	174.873	-230.099
243	11.8277	1.21073	176.338	-215.779
244	11.8422	1.23187	177.856	-201.191
245	11.8494	1.25357	179.427	-186.337
246	11.8706	1.27024	181.041	-171.259
247	11.8776	1.29303	182.713	-155.901
248	11.8845	1.31652	184.446	-140.254
249	11.8982	1.33462	186.227	-124.375
250	11.8982	1.35946	188.075	-108.2
251	11.905	1.38517	189.994	-91.7093
252	11.9117	1.40507	191.968	-74.9724
253	11.925	1.4325	194.02	-57.8898
254	11.9316	1.46106	196.155	-40.457
255	11.9382	1.48328	198.355	-22.7493
256	11.9829	1.5141	200.648	-4.60586
257	12.0725	1.5382	203.014	13.9641
258	12.1548	1.57179	205.484	33.0689
259	12.216	1.60725	208.067	52.7031
260	12.2405	1.63524	210.741	72.7191
261	12.3926	1.67466	213.546	93.4725
262	12.4646	1.71688	216.494	114.873
263	12.4723	1.75069	219.559	136.708
264	12.5172	1.79912	222.795	159.228
265	12.5602	1.85218	226.226	182.492
266	12.6443	1.8957	229.82	206.461
267	12.6729	1.95996	233.661	231.3
268	12.7426	2.03352	237.796	257.212
269	12.7542	2.09693	242.193	283.957
270	12.7628	2.19728	247.021	312
271	12.8104	2.32634	252.433	341.802
272	12.8158	2.45727	258.471	373.294
273	12.9456	2.74777	266.022	408.865

Data Set Standard Deviation = 1.54532
Numerator = 167171
Denominator = 172791
W Statistic = 0.967472 = 167171 / 172791

5% Critical value of 0.976 exceeds 0.967472
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 is less than 0.967472
Data is normally distributed at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Sodium, Total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	9.77565	110
	5/14/1996	9.77565	111
	5/15/1996	9.75846	108
	5/15/1996	9.71112	102
	5/16/1996	9.75266	107
	5/16/1996	9.72316	103
	5/17/1996	9.81466	116
	5/17/1996	9.70504	101
	11/5/1996	9.79813	114
	11/5/1996	9.79813	115
	4/15/1997	9.74097	106
	4/15/1997	9.54681	95
	10/31/1997	9.77565	112
	10/31/1997	9.92329	121
	6/24/1998	10.0519	132
	6/24/1998	10.0562	134
	12/10/1998	9.99424	128
	12/10/1998	9.96176	123
	5/25/1999	10.1924	140
	5/25/1999	10.1023	137
	11/19/1999	10.0648	135
	11/19/1999	ND<5.29832	1
	5/23/2000	10.3735	146
	5/23/2000	5.29832	2
	12/14/2000	10.345	145
	12/14/2000	10.3222	142
	6/6/2001	10.6041	163
	6/6/2001	10.5662	161
	11/15/2001	10.5532	159
	11/15/2001	10.561	160
	6/12/2002	10.6359	167
	6/12/2002	10.6262	166
	11/5/2002	10.7873	177
	11/5/2002	10.7451	173
	6/17/2003	10.8949	183
	6/17/2003	10.8893	181
	12/5/2003	10.9682	186
	12/5/2003	10.9402	184
	6/22/2004	11.1169	193
	6/22/2004	11.0477	190
	10/20/2004	10.9937	187
	10/20/2004	11.0121	189
	6/15/2005	11.2266	197
	6/15/2005	11.2266	198
	6/15/2005	11.2266	199
	11/1/2005	11.1419	194

	3/17/2006	11.0913	192
	8/4/2008	11.1982	196
	2/19/2009	11.1927	195
	8/20/2009	11.0821	191
	1/21/2010	11.2619	200
	9/7/2010	11.3851	201
	1/7/2011	11.3975	202
	8/1/2011	11.4542	206
	2/24/2012	11.4958	209
	8/22/2012	11.4197	205
	1/10/2013	11.4866	208
	8/28/2013	11.5229	212
	2/4/2014	11.5806	216
	8/7/2014	11.6784	219
	2/11/2015	11.6351	217
	8/20/2015	11.7361	229
	2/17/2016	11.744	231
	8/3/2016	11.8056	240
	1/12/2017	11.7118	222
	7/20/2017	11.7199	225
	1/23/2018	11.7199	226
	7/12/2018	11.7753	236
	2/13/2019	11.8982	249
	8/16/2019	11.8776	247
	3/17/2020	11.925	253
	8/25/2020	11.9117	252
	3/16/2021	11.5617	215
	7/26/2021	11.644	218
	3/2/2022	11.8706	246
	9/21/2022	11.783	237
	3/9/2023	11.8204	242
	7/19/2023	11.7519	234
	1/23/2024	11.6784	220
	8/26/2024	11.728	228
	2/3/2025	11.7906	238
	7/22/2025	11.7118	223
	1/6/2026	11.744	232
Rank Sum = 14705			
Rank Mean = 177.169			
M-17S	5/15/1996	7.73631	25
	5/15/1996	7.67786	21
	11/5/1996	8.59415	55
	11/5/1996	8.43381	48
	4/15/1997	7.64969	19
	4/15/1997	7.31322	3
	10/30/1997	7.53369	10
	10/30/1997	7.55486	16
	6/23/1998	7.70075	24
	6/23/1998	7.73631	26
	12/9/1998	7.54433	13
	12/9/1998	7.48997	7
	5/25/1999	7.66388	20
	5/25/1999	7.45008	4
	11/16/1999	7.87853	37
	11/16/1999	7.62071	18
	5/19/2000	7.88231	38
	5/19/2000	8.01961	43

12/12/2000	8.18312	45
12/12/2000	7.83597	32
6/5/2001	7.73631	27
6/5/2001	7.84776	33
11/15/2001	7.77065	28
11/15/2001	7.54433	14
6/13/2002	7.68708	23
6/13/2002	7.46164	5
11/7/2002	7.48437	6
11/7/2002	7.50108	8
6/17/2003	7.68248	22
6/17/2003	7.53903	11
12/4/2003	7.53903	12
12/4/2003	7.58579	17
6/22/2004	7.99294	42
6/22/2004	7.79975	29
10/19/2004	8.42945	47
10/19/2004	8.36404	46
6/15/2005	9.07452	78
6/15/2005	9.07452	79
6/15/2005	9.07452	80
11/1/2005	10.1887	138
3/16/2006	10.4223	152
8/6/2008	11.4153	204
2/18/2009	11.7118	224
8/19/2009	11.4794	207
1/22/2010	11.4009	203
9/8/2010	11.5079	210
1/7/2011	11.5521	214
8/1/2011	11.744	233
2/21/2012	11.7676	235
8/22/2012	11.8845	248
1/11/2013	11.8422	244
8/28/2013	11.8982	250
2/6/2014	11.8277	243
8/6/2014	11.5089	211
2/12/2015	11.6952	221
8/20/2015	11.9382	255
2/17/2016	11.8494	245
8/4/2016	11.9316	254
1/12/2017	12.2405	260
7/19/2017	12.0725	257
1/23/2018	12.216	259
7/11/2018	11.905	251
2/13/2019	11.9829	256
8/13/2019	12.1548	258
3/17/2020	12.8158	272
8/27/2020	12.4723	263
3/15/2021	12.7426	268
7/27/2021	12.7542	269
3/3/2022	12.4646	262
9/21/2022	12.5602	265
3/9/2023	12.6729	267
7/24/2023	12.5172	264
1/23/2024	12.8104	271
8/26/2024	12.3926	261
2/3/2025	12.6443	266

	7/21/2025	12.7628	270
	1/6/2026	12.9456	273
Rank Sum = 10314			
Rank Mean = 133.948			
M-23	12/8/1998	8.77028	69
	12/8/1998	8.62873	58
	12/9/1998	8.72583	65
	12/9/1998	8.58858	54
	12/10/1998	8.74194	66
	12/10/1998	8.56217	51
	12/11/1998	8.79785	70
	12/11/1998	8.56789	52
	5/27/1999	8.76249	67
	5/27/1999	8.64471	60
	5/23/2000	8.65869	62
	5/23/2000	8.49699	49
	11/17/2000	8.66734	63
	11/17/2000	8.50106	50
	12/13/2000	7.54961	15
	12/13/2000	7.50659	9
	6/8/2001	9.06416	77
	6/8/2001	8.92665	75
	11/14/2001	9.1226	82
	11/14/2001	8.91193	74
	6/14/2002	8.80687	72
	6/14/2002	8.67077	64
	11/5/2002	8.84072	73
	11/5/2002	8.80087	71
	6/17/2003	8.63764	59
	6/17/2003	8.58672	53
	12/5/2003	8.65172	61
	12/5/2003	8.61975	57
	6/25/2004	9.1474	83
	6/25/2004	9.26861	84
	10/19/2004	9.72316	104
	10/19/2004	9.64212	97
	6/15/2005	9.33256	89
	6/15/2005	9.33256	90
	6/15/2005	9.33256	91
	11/2/2005	9.3147	86
	3/16/2006	9.08817	81
	8/4/2008	9.82011	117
	2/18/2009	8.60153	56
	8/19/2009	9.73507	105
	1/21/2010	8.96827	76
	9/7/2010	9.98507	126
	1/7/2011	9.93789	122
	8/1/2011	9.98967	127
	2/21/2012	10.069	136
	8/22/2012	10.1887	139
	1/11/2013	9.51783	94
	8/29/2013	10.2471	141
	2/6/2014	9.76996	109
	8/6/2014	10.3797	148
	2/10/2015	10.4133	151
	8/18/2015	10.6115	164
	2/17/2016	9.96176	124

	8/3/2016	10.6383	168
	1/12/2017	10.5891	162
	7/19/2017	10.6851	170
	1/23/2018	10.4829	156
	7/11/2018	10.5506	158
	2/13/2019	10.548	157
	8/16/2019	10.7515	174
	3/17/2020	10.4602	154
	8/25/2020	10.7579	175
	3/16/2021	10.7342	172
	7/26/2021	10.7934	178
	3/2/2022	10.9613	185
	9/21/2022	10.7831	176
	3/9/2023	10.3921	149
	7/24/2023	10.893	182
	1/23/2024	10.6238	165
	8/26/2024	10.3921	150
	2/3/2025	10.8435	180
	7/21/2025	11.0087	188
	1/6/2026	10.8178	179

Rank Sum = 7796
Rank Mean = 106.795

Background Rank Sum = 32815
Background Rank Mean = 140.837

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	9.66142	98
	8/27/2024	9.90349	120
	2/7/2025	9.85744	119
	7/23/2025	10.0301	131
	1/7/2026	9.96646	125

Rank Sum = 593
Rank Mean = 118.6

M-24D	1/24/2024	9.3147	87
	8/29/2024	9.29652	85
	2/5/2025	9.34137	93
	7/24/2025	9.33256	92
	1/8/2026	9.3147	88

Rank Sum = 445
Rank Mean = 89

M-7	1/24/2024	8.07091	44
	8/28/2024	7.86327	34
	2/4/2025	7.86327	35
	7/21/2025	7.90101	39
	1/5/2026	7.90101	40

Rank Sum = 192
Rank Mean = 38.4

M-8	1/24/2024	7.82405	30
	8/27/2024	7.86327	36
	2/5/2025	7.93737	41
	7/24/2025	7.82405	31

	1/8/2026	8.76405	68

Rank Sum = 206
Rank Mean = 41.2

M-18	1/25/2024	10.3766	147
	8/28/2024	10.4371	153
	2/5/2025	9.68657	99
	7/22/2025	9.78132	113
	1/7/2026	9.58878	96

Rank Sum = 608
Rank Mean = 121.6

M-9S	1/25/2024	9.69892	100
	8/28/2024	9.82553	118
	2/5/2025	9.99424	129
	7/22/2025	10.0168	130
	1/8/2026	10.0519	133

Rank Sum = 610
Rank Mean = 122

M-21	1/22/2024	10.3222	143
	8/27/2024	10.4801	155
	2/4/2025	10.6897	171
	7/21/2025	10.3222	144
	1/7/2026	10.6805	169

Rank Sum = 782
Rank Mean = 156.4

M-19	1/22/2024	11.7981	239
	8/29/2024	11.5229	213
	2/3/2025	11.8056	241
	7/23/2025	11.7361	230
	1/6/2026	11.7199	227

Rank Sum = 1150
Rank Mean = 230

Calculation Results:

Kruskal-Wallis H Statistic = 25.4397
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 25.4397
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
25.4397 > 15.5073 indicating a significant group difference at 5% significance level
25.4397 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

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Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 140.837

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	118.6	-22.2369	83.0166
M-24D	89	-51.8369	83.0166
M-7	38.4	-102.437	83.0166
M-8	41.2	-99.6369	83.0166
M-18	121.6	-19.2369	83.0166
M-9S	122	-18.8369	83.0166
M-21	156.4	15.5631	83.0166
M-19	**230**	**89.1631**	**83.0166**

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 140.837

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	118.6	-22.2369	89.6467
M-24D	89	-51.8369	89.6467
M-7	38.4	-102.437	89.6467
M-8	41.2	-99.6369	89.6467
M-18	121.6	-19.2369	89.6467
M-9S	122	-18.8369	89.6467
M-21	156.4	15.5631	89.6467
M-19	230	89.1631	89.6467

Shapiro-Francia Test of Normality

Parameter: Thallium, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-6.21461	-2.65209	7.03356	16.4817
2	-6.21461	-2.40892	12.8365	31.4522
3	-6.21461	-2.25713	17.9311	45.4794
4	-0.733969	-2.12007	22.4258	47.0354
5	0	-2.03352	26.561	47.0354
6	0	-1.95996	30.4025	47.0354
7	0	-1.8957	33.9961	47.0354
8	0	-1.82501	37.3268	47.0354
9	0	-1.77438	40.4752	47.0354
10	0	-1.72793	43.4609	47.0354
11	0	-1.67466	46.2654	47.0354
12	0	-1.63524	48.9394	47.0354
13	0	-1.59819	51.4936	47.0354
14	0.0953102	-1.56322	53.9373	46.8864
15	0.0953102	-1.52203	56.2539	46.7414
16	0.0953102	-1.49085	58.4765	46.5993
17	0.0953102	-1.46106	60.6112	46.46
18	0.0953102	-1.4325	62.6633	46.3235
19	0.0953102	-1.39838	64.6187	46.1902
20	0.0953102	-1.3722	66.5017	46.0594
21	0.0953102	-1.34694	68.3159	45.9311
22	0.0953102	-1.31652	70.0492	45.8056
23	0.0953102	-1.29303	71.7211	45.6823
24	0.0953102	-1.27024	73.3346	45.5613
25	0.0953102	-1.24809	74.8923	45.4423
26	0.0953102	-1.22123	76.3837	45.3259
27	0.0953102	-1.20036	77.8246	45.2115
28	0.0953102	-1.18	79.217	45.0991
29	0.0953102	-1.16012	80.5629	44.9885
30	0.0953102	-1.1359	81.8531	44.8802
31	0.0953102	-1.11699	83.1008	44.7738
32	0.0953102	-1.09847	84.3074	44.6691
33	0.0953102	-1.07584	85.4648	44.5665
34	0.0953102	-1.05812	86.5845	44.4657
35	0.0953102	-1.04073	87.6676	44.3665
36	0.0953102	-1.02365	88.7154	44.2689
37	0.0953102	-1.00271	89.7209	44.1734
38	0.0953102	-0.986272	90.6936	44.0793
39	0.0953102	-0.970094	91.6347	43.9869
40	0.0953102	-0.954165	92.5451	43.8959
41	0.0953102	-0.93459	93.4186	43.8069
42	0.0953102	-0.919183	94.2635	43.7193
43	0.0953102	-0.903992	95.0807	43.6331
44	0.0953102	-0.885291	95.8644	43.5487
45	0.0953102	-0.87055	96.6223	43.4658
46	0.0953102	-0.855996	97.355	43.3842
47	0.0953102	-0.841621	98.0633	43.304

48	0.0953102	-0.823893	98.7421	43.2254
49	0.0953102	-0.809896	99.3981	43.1482
50	0.0953102	-0.796056	100.032	43.0724
51	0.0953102	-0.782366	100.644	42.9978
52	0.0953102	-0.765456	101.23	42.9248
53	0.0953102	-0.752084	101.795	42.8532
54	0.0953102	-0.738846	102.341	42.7827
55	0.0953102	-0.722479	102.863	42.7139
56	0.0953102	-0.709522	103.367	42.6463
57	0.0953102	-0.696684	103.852	42.5799
58	0.0953102	-0.68396	104.32	42.5147
59	0.0953102	-0.668209	104.766	42.451
60	0.0953102	-0.655726	105.196	42.3885
61	0.0953102	-0.643345	105.61	42.3272
62	0.0953102	-0.631062	106.008	42.267
63	0.0953102	-0.615839	106.388	42.2083
64	0.0953102	-0.603765	106.752	42.1508
65	0.0953102	-0.591776	107.102	42.0944
66	0.0953102	-0.576911	107.435	42.0394
67	0.0953102	-0.565108	107.755	41.9855
68	0.0953102	-0.553384	108.061	41.9328
69	0.0953102	-0.541736	108.354	41.8812
70	0.0953102	-0.52728	108.632	41.8309
71	0.0953102	-0.515791	108.898	41.7817
72	0.0953102	-0.504372	109.153	41.7337
73	0.0953102	-0.493018	109.396	41.6867
74	0.0953102	-0.478914	109.625	41.641
75	0.0953102	-0.467699	109.844	41.5965
76	0.0953102	-0.456542	110.052	41.5529
77	0.0953102	-0.442676	110.248	41.5108
78	0.0953102	-0.431644	110.435	41.4696
79	0.0953102	-0.420664	110.612	41.4295
80	0.0953102	-0.409735	110.78	41.3905
81	0.0953102	-0.396142	110.936	41.3527
82	0.0953102	-0.385321	111.085	41.316
83	0.0953102	-0.374544	111.225	41.2803
84	0.0953102	-0.363809	111.358	41.2456
85	0.0953102	-0.350451	111.48	41.2122
86	0.0953102	-0.33981	111.596	41.1798
87	0.0953102	-0.329206	111.704	41.1484
88	0.0953102	-0.316004	111.804	41.1183
89	0.0953102	-0.305481	111.897	41.0892
90	0.0953102	-0.294992	111.984	41.0611
91	0.0953102	-0.284535	112.065	41.034
92	0.0953102	-0.271509	112.139	41.0081
93	0.0953102	-0.26112	112.207	40.9832
94	0.0953102	-0.250759	112.27	40.9593
95	0.0953102	-0.240426	112.328	40.9364
96	0.0953102	-0.227545	112.38	40.9147
97	0.693147	-0.217267	112.427	40.7641
98	0.693147	-0.207012	112.47	40.6206
99	0.693147	-0.194225	112.508	40.486
100	0.693147	-0.184017	112.541	40.3584
101	0.693147	-0.173829	112.572	40.238
102	0.693147	-0.163659	112.598	40.1245
103	0.693147	-0.150969	112.621	40.0199
104	0.693147	-0.140835	112.641	39.9223

105	0.693147	-0.130716	112.658	39.8316
106	0.693147	-0.12061	112.673	39.748
107	0.693147	-0.107995	112.684	39.6732
108	0.693147	-0.0979139	112.694	39.6053
109	0.693147	-0.0878447	112.702	39.5444
110	0.693147	-0.0752698	112.707	39.4923
111	0.693147	-0.0652187	112.712	39.4471
112	0.693147	-0.0551734	112.715	39.4088
113	0.693147	-0.0451348	112.717	39.3775
114	0.693147	-0.0325917	112.718	39.3549
115	0.693147	-0.0225612	112.718	39.3393
116	0.693147	-0.0125328	112.718	39.3306
117	0.693147	0	112.718	39.3306
118	0.693147	0.0125328	112.719	39.3393
119	0.693147	0.0225612	112.719	39.3549
120	0.693147	0.0325917	112.72	39.3775
121	0.693147	0.0451348	112.722	39.4088
122	0.693147	0.0551734	112.725	39.4471
123	0.693147	0.0652187	112.729	39.4923
124	0.693147	0.0752698	112.735	39.5444
125	0.693147	0.0878447	112.743	39.6053
126	0.693147	0.0979139	112.752	39.6732
127	0.693147	0.107995	112.764	39.748
128	0.693147	0.12061	112.779	39.8316
129	0.693147	0.130716	112.796	39.9223
130	0.693147	0.140835	112.816	40.0199
131	0.693147	0.150969	112.838	40.1245
132	0.693147	0.163659	112.865	40.238
133	0.693147	0.173829	112.895	40.3584
134	0.693147	0.184017	112.929	40.486
135	0.693147	0.194225	112.967	40.6206
136	0.693147	0.207012	113.01	40.7641
137	0.693147	0.217267	113.057	40.9147
138	0.693147	0.227545	113.109	41.0724
139	0.693147	0.240426	113.167	41.2391
140	0.693147	0.250759	113.229	41.4129
141	0.693147	0.26112	113.298	41.5939
142	0.693147	0.271509	113.371	41.7821
143	0.693147	0.284535	113.452	41.9793
144	0.693147	0.294992	113.539	42.1838
145	0.693147	0.305481	113.633	42.3955
146	0.693147	0.316004	113.732	42.6146
147	0.693147	0.329206	113.841	42.8428
148	0.693147	0.33981	113.956	43.0783
149	0.693147	0.350451	114.079	43.3212
150	0.693147	0.363809	114.211	43.5734
151	0.693147	0.374544	114.352	43.833
152	0.693147	0.385321	114.5	44.1001
153	0.693147	0.396142	114.657	44.3747
154	0.693147	0.409735	114.825	44.6587
155	0.693147	0.420664	115.002	44.9503
156	0.693147	0.431644	115.188	45.2494
157	0.693147	0.442676	115.384	45.5563
158	0.693147	0.456542	115.593	45.8727
159	0.693147	0.467699	115.811	46.1969
160	0.693147	0.478914	116.041	46.5289
161	0.693147	0.493018	116.284	46.8706

162	0.693147	0.504372	116.538	47.2202
163	0.693147	0.515791	116.804	47.5777
164	0.693147	0.52728	117.082	47.9432
165	0.693147	0.541736	117.376	48.3187
166	0.693147	0.553384	117.682	48.7023
167	0.693147	0.565108	118.001	49.094
168	0.693147	0.576911	118.334	49.4939
169	0.693147	0.591776	118.684	49.9041
170	0.693147	0.603765	119.049	50.3226
171	0.693147	0.615839	119.428	50.7494
172	0.693147	0.631062	119.826	51.1869
173	0.693147	0.643345	120.24	51.6328
174	0.693147	0.655726	120.67	52.0873
175	0.693147	0.668209	121.117	52.5505
176	0.693147	0.68396	121.585	53.0246
177	0.693147	0.696684	122.07	53.5075
178	0.693147	0.709522	122.573	53.9993
179	0.693147	0.722479	123.095	54.5
180	3.91202	0.738846	123.641	57.3904
181	3.91202	0.752084	124.207	60.3326
182	3.91202	0.765456	124.793	63.3271
183	3.91202	0.782366	125.405	66.3877
184	3.91202	0.796056	126.039	69.5019
185	3.91202	0.809896	126.695	72.6702
186	3.91202	0.823893	127.373	75.8933
187	3.91202	0.841621	128.082	79.1858
188	3.91202	0.855996	128.814	82.5344
189	3.91202	0.87055	129.572	85.94
190	3.91202	0.885291	130.356	89.4033
191	3.91202	0.903992	131.173	92.9398
192	3.91202	0.919183	132.018	96.5356
193	3.91202	0.93459	132.892	100.192
194	3.91202	0.954165	133.802	103.924
195	3.91202	0.970094	134.743	107.72
196	3.91202	0.986272	135.716	111.578
197	3.91202	1.00271	136.721	115.5
198	3.91202	1.02365	137.769	119.505
199	3.91202	1.04073	138.852	123.576
200	3.91202	1.05812	139.972	127.716
201	3.91202	1.07584	141.129	131.924
202	3.91202	1.09847	142.336	136.222
203	3.91202	1.11699	143.584	140.591
204	3.91202	1.1359	144.874	145.035
205	3.91202	1.16012	146.22	149.573
206	3.91202	1.18	147.612	154.19
207	3.91202	1.20036	149.053	158.885
208	3.91202	1.22123	150.544	163.663
209	3.91202	1.24809	152.102	168.546
210	3.91202	1.27024	153.716	173.515
211	3.91202	1.29303	155.388	178.573
212	3.91202	1.31652	157.121	183.723
213	3.91202	1.34694	158.935	188.993
214	3.91202	1.3722	160.818	194.361
215	3.91202	1.39838	162.773	199.831
216	3.91202	1.4325	164.825	205.435
217	3.91202	1.46106	166.96	211.151
218	3.91202	1.49085	169.183	216.983

219	3.91202	1.52203	171.499	222.937
220	3.91202	1.56322	173.943	229.053
221	3.91202	1.59819	176.497	235.305
222	3.91202	1.63524	179.171	241.702
223	3.91202	1.67466	181.976	248.253
224	3.91202	1.72793	184.962	255.013
225	3.91202	1.77438	188.11	261.954
226	3.91202	1.82501	191.441	269.094
227	3.91202	1.8957	195.034	276.51
228	3.91202	1.95996	198.876	284.177
229	3.91202	2.03352	203.011	292.132
230	3.91202	2.12007	207.506	300.426
231	3.91202	2.25713	212.6	309.256
232	3.91202	2.40892	218.403	318.68
233	3.91202	2.65209	225.437	329.055

Data Set Standard Deviation = 1.73613
Numerator = 108277
Denominator = 157644
W Statistic = 0.686846 = 108277 / 157644

5% Critical value of 0.976 exceeds 0.686846
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.686846
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Thallium, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<3.91202	117
	5/15/1996	ND<3.91202	117
	5/16/1996	ND<3.91202	117
	5/17/1996	ND<3.91202	117
	11/5/1996	ND<3.91202	117
	4/15/1997	ND<3.91202	117
	10/31/1997	ND<3.91202	117
	6/24/1998	ND<3.91202	117
	12/10/1998	ND<3.91202	117
	5/25/1999	ND<3.91202	117
	11/19/1999	ND<3.91202	117
	5/23/2000	ND<3.91202	117
	12/14/2000	ND<3.91202	117
	6/6/2001	ND<3.91202	117
	11/15/2001	ND<3.91202	117
	6/12/2002	ND<3.91202	117
	11/5/2002	ND<3.91202	117
	6/17/2003	ND<3.91202	117
	12/5/2003	ND<3.91202	117
	6/22/2004	ND<3.91202	117
	10/20/2004	ND<3.91202	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	11/1/2005	ND<0.693147	117
	3/17/2006	ND<0.693147	117
	9/11/2006	ND<0.693147	117
	2/21/2007	ND<0.693147	117
	8/14/2007	ND<0.693147	117
	2/7/2008	ND<0.693147	117
	8/4/2008	ND<0.693147	117
	2/19/2009	ND<0.693147	117
	8/20/2009	ND<0.693147	117
	1/21/2010	ND<0.693147	117
	9/7/2010	ND<0.693147	117
	1/7/2011	ND<0.693147	117
	8/1/2011	ND<0.693147	117
	2/24/2012	ND<0.693147	117
	8/22/2012	ND<0.693147	117
	1/10/2013	ND<0.693147	117
	8/28/2013	ND<0.693147	117
	2/4/2014	ND<0.693147	117
	8/7/2014	ND<0.693147	117
	2/11/2015	ND<0.693147	117
	8/20/2015	ND<0.693147	117
	2/17/2016	ND<0.693147	117

	2/17/2016	ND<0.693147	117
	8/3/2016	ND<0	117
	1/12/2017	ND<0	117
	7/20/2017	ND<0	117
	1/23/2018	ND<0.693147 U	117
	7/12/2018	ND<0.693147	117
	2/13/2019	ND<0.693147	117
	8/16/2019	ND<0.0953102	117
	3/17/2020	ND<0.0953102	117
	8/25/2020	ND<0.0953102	117
	3/16/2021	ND<-0.733969 J	117
	7/26/2021	ND<0.0953102	117
	3/2/2022	ND<0.0953102	117
	9/21/2022	ND<0.0953102	117
	3/9/2023	ND<0.0953102	117
	7/19/2023	ND<0.0953102	117
	1/23/2024	ND<0.0953102	117
	8/26/2024	ND<0.0953102	117
	2/3/2025	ND<0.0953102	117
	7/22/2025	ND<0.0953102	117
	1/6/2026	ND<0.0953102	117
Rank Sum = 7839			
Rank Mean = 117			
M-17S	5/15/1996	ND<3.91202	117
	11/5/1996	ND<3.91202	117
	4/15/1997	ND<3.91202	117
	10/30/1997	ND<3.91202	117
	6/23/1998	ND<3.91202	117
	12/9/1998	ND<3.91202	117
	5/25/1999	ND<3.91202	117
	11/16/1999	ND<3.91202	117
	5/19/2000	ND<3.91202	117
	12/12/2000	ND<3.91202	117
	6/5/2001	ND<3.91202	117
	11/15/2001	ND<3.91202	117
	6/13/2002	ND<3.91202	117
	11/7/2002	ND<3.91202	117
	6/17/2003	ND<3.91202	117
	12/4/2003	ND<3.91202	117
	6/22/2004	ND<3.91202	117
	10/19/2004	ND<3.91202	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	6/15/2005	ND<0.693147	117
	11/1/2005	ND<0.693147	117
	3/16/2006	ND<0.693147	117
	9/12/2006	ND<0.693147	117
	2/20/2007	ND<0.693147	117
	8/13/2007	ND<0.693147	117
	2/6/2008	ND<0.693147	117
	8/6/2008	ND<0.693147	117
	2/18/2009	ND<0.693147	117
	8/19/2009	ND<0.693147	117
	1/22/2010	ND<0.693147	117
	9/8/2010	ND<0.693147	117
	1/7/2011	ND<0.693147	117
	8/1/2011	ND<0.693147	117

	2/21/2012	ND<0.693147	117
	8/22/2012	ND<0.693147	117
	1/11/2013	ND<0.693147	117
	8/28/2013	ND<0.693147	117
	2/6/2014	ND<0.693147	117
	8/6/2014	ND<0.693147	117
	2/12/2015	ND<0.693147	117
	8/20/2015	ND<0.693147	117
	2/17/2016	ND<0.693147	117
	2/17/2016	ND<0.693147	117
	8/4/2016	ND<0	117
	1/12/2017	ND<0	117
	7/19/2017	ND<0	117
	1/23/2018	ND<0.693147 U	117
	7/11/2018	ND<0.693147	117
	2/13/2019	ND<0.0953102	117
	8/13/2019	ND<0.0953102	117
	3/17/2020	ND<0.0953102	117
	8/27/2020	ND<0.0953102	117
	3/15/2021	ND<0.0953102	117
	7/27/2021	ND<0.0953102	117
	3/3/2022	ND<0.0953102	117
	9/21/2022	ND<0.0953102	117
	3/9/2023	ND<0.0953102	117
	7/24/2023	ND<0.0953102	117
	1/23/2024	ND<0.0953102	117
	8/26/2024	ND<0.0953102	117
	2/3/2025	ND<0.0953102	117
	7/21/2025	ND<0.0953102	117
	1/6/2026	ND<0.0953102	117
Rank Sum = 7488			
Rank Mean = 117			
M-23	12/8/1998	ND<3.91202	117
	12/9/1998	ND<3.91202	117
	12/10/1998	ND<3.91202	117
	12/11/1998	ND<3.91202	117
	5/27/1999	ND<3.91202	117
	5/23/2000	ND<3.91202	117
	11/17/2000	ND<3.91202	117
	12/13/2000	ND<3.91202	117
	6/8/2001	ND<3.91202	117
	11/14/2001	ND<3.91202	117
	6/14/2002	ND<3.91202	117
	11/5/2002	ND<3.91202	117
	6/17/2003	ND<3.91202	117
	12/5/2003	ND<3.91202	117
	6/25/2004	ND<3.91202	117
	10/19/2004	ND<0.693147	117
	6/15/2005	ND<-6.21461	117
	6/15/2005	ND<-6.21461	117
	6/15/2005	ND<-6.21461	117
	11/2/2005	ND<0.693147	117
	3/16/2006	ND<0.693147	117
	9/12/2006	ND<0.693147	117
	2/22/2007	ND<0.693147	117
	8/15/2007	ND<0.693147	117
	2/6/2008	ND<0.693147	117

8/4/2008	ND<0.693147	117
2/18/2009	ND<0.693147	117
8/19/2009	ND<0.693147	117
1/21/2010	ND<0.693147	117
9/7/2010	ND<0.693147	117
1/7/2011	ND<0.693147	117
8/1/2011	ND<0.693147	117
2/21/2012	ND<0.693147	117
8/22/2012	ND<0.693147	117
1/11/2013	ND<0.693147	117
8/29/2013	ND<0.693147	117
2/6/2014	ND<0.693147	117
8/6/2014	ND<0.693147	117
2/10/2015	ND<0.693147	117
8/18/2015	ND<0.693147	117
2/17/2016	ND<0.693147	117
2/17/2016	ND<0.693147	117
8/3/2016	ND<0	117
1/12/2017	ND<0	117
7/19/2017	ND<0	117
1/23/2018	ND<0.693147 U	117
7/11/2018	ND<0.693147	117
2/13/2019	ND<0.0953102	117
8/16/2019	ND<0.0953102	117
3/17/2020	ND<0.0953102	117
8/25/2020	ND<0.0953102	117
3/16/2021	ND<0.0953102	117
7/26/2021	ND<0.0953102	117
3/2/2022	ND<0.0953102	117
9/21/2022	ND<0.0953102	117
3/9/2023	ND<0.0953102	117
7/24/2023	ND<0.0953102	117
1/23/2024	ND<0.0953102	117
8/26/2024	ND<0.0953102	117
2/3/2025	ND<0.0953102	117
7/21/2025	ND<0.0953102	117
1/6/2026	ND<0.0953102	117

Rank Sum = 7254
Rank Mean = 117

Background Rank Sum = 22581
Background Rank Mean = 117

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.0953102	117
	8/27/2024	ND<0.0953102	117
	2/7/2025	ND<0.0953102	117
	7/23/2025	ND<0.0953102	117
	1/7/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

M-24D	1/24/2024	ND<0.0953102	117
	8/29/2024	ND<0.0953102	117
	2/5/2025	ND<0.0953102	117

	7/24/2025	ND<0.0953102	117
	1/8/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

M-7	1/24/2024	ND<0.0953102	117
	8/28/2024	ND<0.0953102	117
	2/4/2025	ND<0.0953102	117
	7/21/2025	ND<0.0953102	117
	1/5/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

M-8	1/24/2024	ND<0.0953102	117
	8/27/2024	ND<0.0953102	117
	2/5/2025	ND<0.0953102	117
	7/24/2025	ND<0.0953102	117
	1/8/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

M-18	1/25/2024	ND<0.0953102	117
	8/28/2024	ND<0.0953102	117
	2/5/2025	ND<0.0953102	117
	7/22/2025	ND<0.0953102	117
	1/7/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

M-9S	1/25/2024	ND<0.0953102	117
	8/28/2024	ND<0.0953102	117
	2/5/2025	ND<0.0953102	117
	7/22/2025	ND<0.0953102	117
	1/8/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

M-21	1/22/2024	ND<0.0953102	117
	8/27/2024	ND<0.0953102	117
	2/4/2025	ND<0.0953102	117
	7/21/2025	ND<0.0953102	117
	1/7/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

M-19	1/22/2024	ND<0.0953102	117
	8/29/2024	ND<0.0953102	117
	2/3/2025	ND<0.0953102	117
	7/23/2025	ND<0.0953102	117
	1/6/2026	ND<0.0953102	117

Rank Sum = 585
Rank Mean = 117

Calculation Results:

Kruskal-Wallis H Statistic = 0
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 0

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
0 < 15.5073 indicating no significant group difference at 5% significance level
0 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Vanadium, Total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 230

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-5.29832	-2.65209	7.03356	14.0516
2	-5.29832	-2.40892	12.8365	26.8148
3	-5.29832	-2.25713	17.9311	38.7738
4	-0.223144	-2.12007	22.4258	39.2469
5	0	-2.03352	26.561	39.2469
6	0	-1.95996	30.4025	39.2469
7	0	-1.88079	33.9398	39.2469
8	0	-1.82501	37.2705	39.2469
9	0	-1.77438	40.4189	39.2469
10	0	-1.71688	43.3666	39.2469
11	0	-1.67466	46.1711	39.2469
12	0	-1.63524	48.8451	39.2469
13	0	-1.58927	51.3708	39.2469
14	0.182322	-1.55477	53.7882	38.9634
15	0.262364	-1.52203	56.1048	38.5641
16	0.262364	-1.48328	58.3049	38.175
17	0.693147	-1.4538	60.4184	37.1673
18	0.693147	-1.42554	62.4506	36.1791
19	0.693147	-1.39175	64.3876	35.2145
20	0.693147	-1.36581	66.253	34.2678
21	0.693147	-1.34075	68.0506	33.3384
22	0.693147	-1.31058	69.7682	32.43
23	0.693147	-1.28727	71.4253	31.5377
24	0.693147	-1.26464	73.0246	30.6611
25	0.693147	-1.23724	74.5554	29.8035
26	0.693147	-1.21596	76.0339	28.9607
27	0.788457	-1.19522	77.4625	28.0183
28	0.788457	-1.17	78.8314	27.0958
29	0.788457	-1.15035	80.1547	26.1888
30	0.788457	-1.13113	81.4341	25.297
31	0.788457	-1.10768	82.6611	24.4236
32	0.788457	-1.08935	83.8478	23.5647
33	0.788457	-1.07138	84.9956	22.72
34	0.788457	-1.04939	86.0968	21.8926
35	0.788457	-1.03215	87.1622	21.0788
36	0.788457	-1.01522	88.1929	20.2783
37	0.788457	-0.994457	89.1818	19.4942
38	0.788457	-0.97815	90.1386	18.723
39	0.788457	-0.9621	91.0642	17.9644
40	0.788457	-0.942375	91.9523	17.2214
41	0.788457	-0.926859	92.8114	16.4906
42	0.788457	-0.911562	93.6423	15.7719
43	0.788457	-0.892733	94.4393	15.068
44	0.788457	-0.877897	95.21	14.3758
45	0.788457	-0.863249	95.9552	13.6952
46	0.788457	-0.845198	96.6695	13.0288
47	0.788457	-0.830953	97.36	12.3736

48	0.788457	-0.816874	98.0273	11.7295
49	0.788457	-0.7995	98.6665	11.0992
50	0.788457	-0.785774	99.2839	10.4796
51	0.788457	-0.772193	99.8802	9.87078
52	0.788457	-0.755415	100.451	9.27517
53	0.788457	-0.742143	101.002	8.69002
54	0.788457	-0.729003	101.533	8.11523
55	0.788457	-0.712751	102.041	7.55326
56	0.788457	-0.699883	102.531	7.00143
57	0.788457	-0.687131	103.003	6.45965
58	0.788457	-0.671346	103.454	5.93033
59	0.788457	-0.658838	103.888	5.41086
60	0.788457	-0.646431	104.306	4.90118
61	0.788457	-0.631062	104.704	4.40361
62	0.788457	-0.618872	105.087	3.91566
63	0.788457	-0.606775	105.455	3.43724
64	0.788457	-0.591776	105.805	2.97065
65	0.788457	-0.579873	106.142	2.51345
66	0.788457	-0.568052	106.464	2.06556
67	0.788457	-0.553384	106.771	1.62924
68	0.788457	-0.541736	107.064	1.20211
69	0.788457	-0.530162	107.345	0.784095
70	0.788457	-0.515791	107.611	0.377416
71	0.788457	-0.504372	107.866	-0.0202599
72	0.788457	-0.493018	108.109	-0.408983
73	0.788457	-0.478914	108.338	-0.786586
74	0.788457	-0.467699	108.557	-1.15535
75	0.788457	-0.456542	108.765	-1.51531
76	0.788457	-0.442676	108.961	-1.86434
77	0.788457	-0.431644	109.147	-2.20468
78	0.788457	-0.420664	109.324	-2.53635
79	0.788457	-0.409735	109.492	-2.85941
80	0.788457	-0.396142	109.649	-3.17175
81	0.788457	-0.385321	109.798	-3.47556
82	0.788457	-0.374544	109.938	-3.77087
83	0.788457	-0.361133	110.068	-4.05561
84	0.788457	-0.350451	110.191	-4.33193
85	0.788457	-0.33981	110.307	-4.59985
86	0.788457	-0.326561	110.413	-4.85733
87	0.788457	-0.316004	110.513	-5.10649
88	0.788457	-0.305481	110.606	-5.34734
89	0.788457	-0.292375	110.692	-5.57787
90	0.788457	-0.281926	110.771	-5.80016
91	0.788457	-0.271509	110.845	-6.01423
92	0.788457	-0.258527	110.912	-6.21807
93	0.788457	-0.248174	110.974	-6.41374
94	0.788457	-0.237847	111.03	-6.60127
95	0.788457	-0.224974	111.081	-6.77866
96	0.788457	-0.214702	111.127	-6.94794
97	0.788457	-0.204452	111.169	-7.10914
98	0.788457	-0.191671	111.205	-7.26027
99	0.788457	-0.181468	111.238	-7.40335
100	0.788457	-0.171285	111.268	-7.5384
101	0.788457	-0.158579	111.293	-7.66343
102	0.788457	-0.148434	111.315	-7.78046
103	0.788457	-0.138305	111.334	-7.88951
104	1.38629	-0.125661	111.35	-8.06372

105	1.54756	-0.115562	111.363	-8.24255
106	1.60944	-0.105474	111.374	-8.41231
107	1.60944	-0.0928787	111.383	-8.56179
108	1.60944	-0.0828129	111.39	-8.69507
109	1.60944	-0.0727562	111.395	-8.81217
110	1.60944	-0.0601949	111.399	-8.90905
111	1.60944	-0.0501541	111.401	-8.98977
112	1.60944	-0.0401167	111.403	-9.05433
113	1.60944	-0.0275759	111.403	-9.09872
114	1.60944	-0.0175476	111.404	-9.12696
115	1.60944	-0.00751925	111.404	-9.13906
116	1.60944	0.00751925	111.404	-9.12696
117	1.60944	0.0175476	111.404	-9.09872
118	1.60944	0.0275759	111.405	-9.05433
119	1.60944	0.0401167	111.407	-8.98977
120	1.60944	0.0501541	111.409	-8.90905
121	1.60944	0.0601949	111.413	-8.81217
122	1.60944	0.0727562	111.418	-8.69507
123	1.60944	0.0828129	111.425	-8.56179
124	1.60944	0.0928787	111.434	-8.41231
125	1.60944	0.105474	111.445	-8.24255
126	1.60944	0.115562	111.458	-8.05657
127	1.60944	0.125661	111.474	-7.85432
128	1.60944	0.138305	111.493	-7.63173
129	1.60944	0.148434	111.515	-7.39283
130	1.60944	0.158579	111.54	-7.13761
131	1.60944	0.171285	111.569	-6.86194
132	1.60944	0.181468	111.602	-6.56987
133	1.60944	0.191671	111.639	-6.26139
134	1.60944	0.204452	111.681	-5.93234
135	1.60944	0.214702	111.727	-5.58679
136	1.60944	0.224974	111.778	-5.22471
137	1.60944	0.237847	111.834	-4.84191
138	1.60944	0.248174	111.896	-4.44249
139	1.60944	0.258527	111.963	-4.0264
140	1.60944	0.271509	112.036	-3.58943
141	1.60944	0.281926	112.116	-3.13568
142	1.60944	0.292375	112.201	-2.66512
143	1.60944	0.305481	112.295	-2.17347
144	1.60944	0.316004	112.394	-1.66488
145	1.60944	0.326561	112.501	-1.1393
146	1.60944	0.33981	112.617	-0.5924
147	1.60944	0.350451	112.739	-0.0283708
148	1.60944	0.361133	112.87	0.55285
149	1.60944	0.374544	113.01	1.15566
150	1.60944	0.385321	113.159	1.77581
151	1.60944	0.396142	113.315	2.41337
152	1.60944	0.409735	113.483	3.07281
153	1.60944	0.420664	113.66	3.74985
154	1.60944	0.431644	113.847	4.44455
155	1.60944	0.442676	114.043	5.15701
156	1.60944	0.456542	114.251	5.89179
157	1.60944	0.467699	114.47	6.64452
158	1.60944	0.478914	114.699	7.4153
159	1.60944	0.493018	114.942	8.20878
160	1.60944	0.504372	115.197	9.02054
161	1.60944	0.515791	115.463	9.85067

162	1.60944	0.530162	115.744	10.7039
163	1.60944	0.541736	116.037	11.5758
164	1.60944	0.553384	116.343	12.4665
165	1.60944	0.568052	116.666	13.3807
166	1.60944	0.579873	117.002	14.314
167	1.60944	0.591776	117.353	15.2664
168	1.60944	0.606775	117.721	16.243
169	1.60944	0.618872	118.104	17.239
170	1.60944	0.631062	118.502	18.2547
171	1.60944	0.646431	118.92	19.2951
172	1.60944	0.658838	119.354	20.3554
173	1.60944	0.671346	119.805	21.4359
174	1.60944	0.687131	120.277	22.5418
175	1.60944	0.699883	120.767	23.6682
176	1.60944	0.712751	121.275	24.8153
177	1.60944	0.729003	121.806	25.9886
178	1.60944	0.742143	122.357	27.1831
179	1.60944	0.755415	122.928	28.3989
180	1.60944	0.772193	123.524	29.6417
181	1.60944	0.785774	124.141	30.9063
182	1.60944	0.7995	124.78	32.1931
183	1.60944	0.816874	125.448	33.5078
184	1.60944	0.830953	126.138	34.8451
185	1.60944	0.845198	126.853	36.2054
186	1.60944	0.863249	127.598	37.5948
187	1.60944	0.877897	128.368	39.0077
188	1.60944	0.892733	129.165	40.4445
189	1.60944	0.911562	129.996	41.9116
190	1.60944	0.926859	130.855	43.4033
191	1.60944	0.942375	131.744	44.92
192	1.60944	0.9621	132.669	46.4684
193	1.60944	0.97815	133.626	48.0427
194	1.60944	0.994457	134.615	49.6432
195	1.60944	1.01522	135.646	51.2772
196	1.60944	1.03215	136.711	52.9384
197	1.60944	1.04939	137.812	54.6273
198	1.60944	1.07138	138.96	56.3516
199	1.60944	1.08935	140.147	58.1048
200	1.60944	1.10768	141.374	59.8876
201	1.60944	1.13113	142.653	61.7081
202	1.60944	1.15035	143.976	63.5595
203	1.60944	1.17	145.345	65.4425
204	1.60944	1.19522	146.774	67.3662
205	1.60944	1.21596	148.252	69.3232
206	1.60944	1.23724	149.783	71.3144
207	1.60944	1.26464	151.382	73.3498
208	1.60944	1.28727	153.04	75.4216
209	1.60944	1.31058	154.757	77.5309
210	1.60944	1.34075	156.555	79.6887
211	1.60944	1.36581	158.42	81.8869
212	1.60944	1.39175	160.357	84.1268
213	1.60944	1.42554	162.389	86.4212
214	1.60944	1.4538	164.503	88.761
215	1.60944	1.48328	166.703	91.1482
216	1.60944	1.52203	169.02	93.5978
217	1.79176	1.55477	171.437	96.3836
218	1.79176	1.58927	173.963	99.2312

219	1.94591	1.63524	176.637	102.413
220	1.94591	1.67466	179.441	105.672
221	2.07944	1.71688	182.389	109.242
222	2.30259	1.77438	185.537	113.328
223	2.30259	1.82501	188.868	117.53
224	2.30259	1.88079	192.405	121.861
225	2.30259	1.95996	196.247	126.374
226	2.30259	2.03352	200.382	131.056
227	2.30259	2.12007	204.877	135.938
228	2.48491	2.25713	209.971	141.546
229	2.56495	2.40892	215.774	147.725
230	3.85015	2.65209	222.808	157.936

Data Set Standard Deviation = 0.931796
Numerator = 24943.8
Denominator = 44300.4
W Statistic = 0.563061 = 24943.8 / 44300.4

5% Critical value of 0.976 exceeds 0.563061
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.563061
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Vanadium, Total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<1.60944	111
	5/15/1996	ND<1.60944	111
	5/16/1996	ND<1.60944	111
	5/17/1996	ND<1.60944	111
	11/5/1996	ND<1.60944	111
	4/15/1997	ND<1.60944	111
	10/31/1997	ND<1.60944	111
	6/24/1998	ND<1.60944	111
	12/10/1998	ND<1.60944	111
	5/25/1999	ND<1.60944	111
	11/19/1999	ND<1.60944	111
	5/23/2000	ND<1.60944	111
	12/14/2000	ND<1.60944	111
	6/6/2001	ND<1.60944	111
	11/15/2001	ND<1.60944	111
	6/12/2002	ND<1.60944	111
	11/5/2002	ND<1.60944	111
	6/17/2003	ND<1.60944	111
	12/5/2003	ND<1.60944	111
	6/22/2004	ND<1.60944	111
	10/20/2004	ND<1.60944	111
	6/15/2005	ND<1.60944	111
	6/15/2005	ND<1.60944	111
	6/15/2005	ND<1.60944	111
	11/1/2005	ND<1.60944	111
	3/17/2006	ND<1.60944	111
	9/11/2006	ND<1.60944	111
	2/21/2007	ND<1.60944	111
	8/14/2007	ND<1.60944	111
	2/7/2008	ND<0.693147	111
	8/4/2008	ND<0.693147	111
	2/19/2009	ND<0.693147	111
	8/20/2009	ND<1.60944	111
	1/21/2010	ND<1.60944	111
	9/7/2010	ND<1.60944	111
	1/7/2011	ND<1.60944	111
	8/1/2011	ND<1.60944	111
	2/24/2012	ND<1.60944	111
	8/22/2012	ND<1.60944	111
	1/10/2013	ND<1.60944	111
	8/28/2013	ND<1.60944	111
	2/4/2014	ND<1.60944	111
	8/7/2014	ND<1.60944	111
	2/11/2015	ND<1.60944	111
	8/20/2015	ND<1.60944	111
	2/17/2016	ND<1.60944	111

	8/3/2016	ND<0	111
	1/12/2017	ND<0	111
	7/20/2017	ND<0	111
	1/23/2018	ND<2.30259 U	111
	7/12/2018	ND<2.30259	111
	2/13/2019	ND<1.38629	111
	8/16/2019	ND<0.788457	111
	3/17/2020	ND<0.788457	111
	8/25/2020	ND<0.788457	111
	3/16/2021	1.54756	222
	7/26/2021	ND<0.182322 J	111
	3/2/2022	ND<0.788457	111
	9/21/2022	ND<0.788457	111
	3/9/2023	ND<0.788457	111
	7/19/2023	ND<0.788457	111
	1/23/2024	ND<0.262364 J	111
	8/26/2024	ND<0.262364 J	111
	2/3/2025	ND<-0.223144 J	111
	7/22/2025	ND<0.788457	111
	1/6/2026	ND<0.788457	111
Rank Sum = 7437			
Rank Mean = 112.682			
M-17S	5/15/1996	ND<1.60944	111
	11/5/1996	ND<1.60944	111
	4/15/1997	ND<1.60944	111
	10/30/1997	ND<1.60944	111
	6/23/1998	ND<1.60944	111
	12/9/1998	ND<1.60944	111
	5/25/1999	ND<1.60944	111
	11/16/1999	ND<1.60944	111
	5/19/2000	ND<1.60944	111
	12/12/2000	ND<1.60944	111
	6/5/2001	ND<1.60944	111
	11/15/2001	ND<1.60944	111
	6/13/2002	ND<1.60944	111
	11/7/2002	ND<1.60944	111
	6/17/2003	ND<1.60944	111
	12/4/2003	ND<1.60944	111
	6/22/2004	ND<1.60944	111
	10/19/2004	ND<1.60944	111
	6/15/2005	ND<1.60944	111
	6/15/2005	ND<1.60944	111
	6/15/2005	ND<1.60944	111
	11/1/2005	ND<1.60944	111
	3/16/2006	ND<1.60944	111
	9/12/2006	ND<1.60944	111
	2/20/2007	ND<1.60944	111
	8/13/2007	ND<1.60944	111
	2/6/2008	ND<0.693147	111
	8/6/2008	ND<0.693147	111
	2/18/2009	ND<0.693147	111
	8/19/2009	ND<1.60944	111
	1/22/2010	ND<1.60944	111
	9/8/2010	ND<1.60944	111
	1/7/2011	ND<1.60944	111
	8/1/2011	ND<1.60944	111
	2/21/2012	ND<1.60944	111

	8/22/2012	ND<1.60944	111
	1/11/2013	ND<1.60944	111
	8/28/2013	ND<1.60944	111
	2/6/2014	ND<1.60944	111
	8/6/2014	ND<1.60944	111
	2/12/2015	ND<1.60944	111
	8/20/2015	ND<1.60944	111
	2/17/2016	ND<1.60944	111
	8/4/2016	ND<0	111
	1/12/2017	ND<0	111
	7/19/2017	ND<0	111
	1/23/2018	ND<2.30259 U	111
	7/11/2018	ND<2.30259	111
	2/13/2019	ND<0.788457	111
	8/13/2019	ND<0.788457	111
	3/17/2020	ND<0.788457	111
	8/27/2020	ND<0.788457	111
	3/15/2021	ND<0.788457	111
	7/27/2021	2.48491	228
	3/3/2022	ND<0.788457	111
	9/21/2022	ND<0.788457	111
	3/9/2023	ND<0.788457	111
	7/24/2023	ND<0.788457	111
	1/23/2024	ND<0.693147 J	111
	8/26/2024	ND<0.788457	111
	2/3/2025	ND<0.788457	111
	7/21/2025	ND<0.788457	111
	1/6/2026	ND<0.788457	111
Rank Sum = 7110			
Rank Mean = 112.857			
M-23	12/8/1998	1.94591	225
	12/9/1998	1.94591	226
	12/10/1998	2.56495	229
	12/11/1998	3.85015	230
	5/27/1999	ND<1.60944	111
	5/23/2000	1.79176	223
	11/17/2000	ND<1.60944	111
	12/13/2000	ND<1.60944	111
	6/8/2001	1.79176	224
	11/14/2001	2.07944	227
	6/14/2002	ND<1.60944	111
	11/5/2002	ND<1.60944	111
	6/17/2003	ND<1.60944	111
	12/5/2003	ND<1.60944	111
	6/25/2004	ND<1.60944	111
	10/19/2004	ND<1.60944	111
	6/15/2005	ND<-5.29832	111
	6/15/2005	ND<-5.29832	111
	6/15/2005	ND<-5.29832	111
	11/2/2005	ND<1.60944	111
	3/16/2006	ND<1.60944	111
	9/12/2006	ND<1.60944	111
	2/22/2007	ND<1.60944	111
	8/15/2007	ND<1.60944	111
	2/6/2008	ND<0.693147	111
	8/4/2008	ND<0.693147	111
	2/18/2009	ND<0.693147	111

8/19/2009	ND<1.60944	111
1/21/2010	ND<1.60944	111
9/7/2010	ND<1.60944	111
1/7/2011	ND<1.60944	111
8/1/2011	ND<1.60944	111
2/21/2012	ND<1.60944	111
8/22/2012	ND<1.60944	111
1/11/2013	ND<1.60944	111
8/29/2013	ND<1.60944	111
2/6/2014	ND<1.60944	111
8/6/2014	ND<1.60944	111
2/10/2015	ND<1.60944	111
8/18/2015	ND<1.60944	111
2/17/2016	ND<1.60944	111
8/3/2016	ND<0	111
1/12/2017	ND<0	111
7/19/2017	ND<0	111
1/23/2018	ND<2.30259 U	111
7/11/2018	ND<2.30259	111
2/13/2019	ND<0.788457	111
8/16/2019	ND<0.788457	111
3/17/2020	ND<0.788457	111
8/25/2020	ND<0.788457	111
3/16/2021	ND<0.788457	111
7/26/2021	ND<0.788457	111
3/2/2022	ND<0.788457	111
9/21/2022	ND<0.788457	111
3/9/2023	ND<0.788457	111
7/24/2023	ND<0.788457	111
1/23/2024	ND<0.788457	111
8/26/2024	ND<0.788457	111
2/3/2025	ND<0.788457	111
7/21/2025	ND<0.788457	111
1/6/2026	ND<0.788457	111

Rank Sum = 7578
Rank Mean = 124.23

Background Rank Sum = 22125
Background Rank Mean = 116.447

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<0.788457	111
	8/27/2024	ND<0.788457	111
	2/7/2025	ND<0.788457	111
	7/23/2025	ND<0.788457	111
	1/7/2026	ND<0.788457	111

Rank Sum = 555
Rank Mean = 111

M-24D	1/24/2024	ND<0.788457	111
	8/29/2024	ND<0.788457	111
	2/5/2025	ND<0.788457	111
	7/24/2025	ND<0.788457	111
	1/8/2026	ND<0.788457	111

Rank Sum = 555

Rank Mean = 111

M-7	1/24/2024	ND<0.788457	111
	8/28/2024	ND<0.788457	111
	2/4/2025	ND<0.788457	111
	7/21/2025	ND<0.788457	111
	1/5/2026	ND<0.788457	111

Rank Sum = 555
Rank Mean = 111

M-8	1/24/2024	ND<0.788457	111
	8/27/2024	ND<0.788457	111
	2/5/2025	ND<0.788457	111
	7/24/2025	ND<0.788457	111
	1/8/2026	ND<0.788457	111

Rank Sum = 555
Rank Mean = 111

M-18	1/25/2024	ND<0.788457	111
	8/28/2024	ND<0.788457	111
	2/5/2025	ND<0.788457	111
	7/22/2025	ND<0.788457	111
	1/7/2026	ND<0.788457	111

Rank Sum = 555
Rank Mean = 111

M-9S	1/25/2024	ND<0.788457	111
	8/28/2024	ND<0.788457	111
	2/5/2025	ND<0.788457	111
	7/22/2025	ND<0.788457	111
	1/8/2026	ND<0.788457	111

Rank Sum = 555
Rank Mean = 111

M-21	1/22/2024	ND<0.788457	111
	8/27/2024	ND<0.788457	111
	2/4/2025	ND<0.788457	111
	7/21/2025	ND<0.788457	111
	1/7/2026	ND<0.788457	111

Rank Sum = 555
Rank Mean = 111

M-19	1/22/2024	ND<0.788457	111
	8/29/2024	ND<0.788457	111
	2/3/2025	ND<0.788457	111
	7/23/2025	ND<0.788457	111
	1/6/2026	ND<0.788457	111

Rank Sum = 555
Rank Mean = 111

Calculation Results:

Kruskal-Wallis H Statistic = 0.221463
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 1.9623
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
0.221463 < 15.5073 indicating no significant group difference at 5% significance level
1.9623 < 15.5073 indicating no significant group difference at 5% significance level when adjusted for ties

Shapiro-Francia Test of Normality

Parameter: Zinc, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-4.13517	-2.65209	7.03356	10.9668
2	-4.13517	-2.40892	12.8365	20.9281
3	-4.13517	-2.25713	17.9311	30.2617
4	0.641854	-2.12007	22.4258	28.901
5	0.693147	-2.03352	26.561	27.4914
6	0.693147	-1.95996	30.4025	26.1329
7	0.788457	-1.8957	33.9961	24.6382
8	0.832909	-1.82501	37.3268	23.1181
9	0.832909	-1.77438	40.4752	21.6402
10	0.875469	-1.72793	43.4609	20.1275
11	0.875469	-1.67466	46.2654	18.6614
12	0.875469	-1.63524	48.9394	17.2298
13	0.916291	-1.59819	51.4936	15.7654
14	0.916291	-1.56322	53.9373	14.333
15	0.916291	-1.52203	56.2539	12.9384
16	0.955511	-1.49085	58.4765	11.5139
17	1.06471	-1.46106	60.6112	9.95826
18	1.06471	-1.4325	62.6633	8.43305
19	1.09861	-1.39838	64.6187	6.89678
20	1.09861	-1.3722	66.5017	5.38926
21	1.09861	-1.34694	68.3159	3.9095
22	1.09861	-1.31652	70.0492	2.46315
23	1.19392	-1.29303	71.7211	0.919369
24	1.25276	-1.27024	73.3346	-0.671936
25	1.25276	-1.24809	74.8923	-2.23549
26	1.25276	-1.22123	76.3837	-3.7654
27	1.25276	-1.20036	77.8246	-5.26917
28	1.28093	-1.18	79.217	-6.78067
29	1.30833	-1.16012	80.5629	-8.29849
30	1.30833	-1.1359	81.8531	-9.78462
31	1.30833	-1.11699	83.1008	-11.246
32	1.38629	-1.09847	84.3074	-12.7688
33	1.41099	-1.07584	85.4648	-14.2868
34	1.4816	-1.05812	86.5845	-15.8545
35	1.52606	-1.04073	87.6676	-17.4427
36	1.60944	-1.02365	88.7154	-19.0902
37	1.60944	-1.00271	89.7209	-20.704
38	1.60944	-0.986272	90.6936	-22.2914
39	1.60944	-0.970094	91.6347	-23.8527
40	1.60944	-0.954165	92.5451	-25.3884
41	1.60944	-0.93459	93.4186	-26.8925
42	1.60944	-0.919183	94.2635	-28.3719
43	1.60944	-0.903992	95.0807	-29.8268
44	1.60944	-0.885291	95.8644	-31.2516
45	1.60944	-0.87055	96.6223	-32.6527
46	1.60944	-0.855996	97.355	-34.0304
47	1.60944	-0.841621	98.0633	-35.3849

48	1.60944	-0.823893	98.7421	-36.711
49	1.60944	-0.809896	99.3981	-38.0144
50	1.60944	-0.796056	100.032	-39.2956
51	1.60944	-0.782366	100.644	-40.5548
52	1.62924	-0.765456	101.23	-41.8019
53	1.62924	-0.752084	101.795	-43.0272
54	1.64866	-0.738846	102.341	-44.2453
55	1.6864	-0.722479	102.863	-45.4637
56	1.6864	-0.709522	103.367	-46.6603
57	1.72277	-0.696684	103.852	-47.8605
58	1.72277	-0.68396	104.32	-49.0388
59	1.72277	-0.668209	104.766	-50.19
60	1.72277	-0.655726	105.196	-51.3196
61	1.72277	-0.643345	105.61	-52.428
62	1.72277	-0.631062	106.008	-53.5151
63	1.72277	-0.615839	106.388	-54.5761
64	1.72277	-0.603765	106.752	-55.6162
65	1.72277	-0.591776	107.102	-56.6357
66	1.72277	-0.576911	107.435	-57.6296
67	1.72277	-0.565108	107.755	-58.6031
68	1.72277	-0.553384	108.061	-59.5565
69	1.72277	-0.541736	108.354	-60.4898
70	1.72277	-0.52728	108.632	-61.3982
71	1.72277	-0.515791	108.898	-62.2868
72	1.75786	-0.504372	109.153	-63.1734
73	1.77495	-0.493018	109.396	-64.0484
74	1.79176	-0.478914	109.625	-64.9065
75	1.80829	-0.467699	109.844	-65.7523
76	1.80829	-0.456542	110.052	-66.5778
77	1.82455	-0.442676	110.248	-67.3855
78	1.82455	-0.431644	110.435	-68.1731
79	1.84055	-0.420664	110.612	-68.9473
80	1.84055	-0.409735	110.78	-69.7015
81	1.88707	-0.396142	110.936	-70.449
82	1.88707	-0.385321	111.085	-71.1761
83	1.94591	-0.374544	111.225	-71.905
84	1.94591	-0.363809	111.358	-72.6129
85	1.97408	-0.350451	111.48	-73.3047
86	1.98787	-0.33981	111.596	-73.9802
87	1.98787	-0.329206	111.704	-74.6347
88	2.05412	-0.316004	111.804	-75.2838
89	2.06686	-0.305481	111.897	-75.9152
90	2.07944	-0.294992	111.984	-76.5286
91	2.07944	-0.284535	112.065	-77.1202
92	2.07944	-0.271509	112.139	-77.6848
93	2.07944	-0.26112	112.207	-78.2278
94	2.09186	-0.250759	112.27	-78.7524
95	2.14007	-0.240426	112.328	-79.2669
96	2.15176	-0.227545	112.38	-79.7565
97	2.18605	-0.217267	112.427	-80.2315
98	2.18605	-0.207012	112.47	-80.684
99	2.19722	-0.194225	112.508	-81.1108
100	2.20827	-0.184017	112.541	-81.5171
101	2.2192	-0.173829	112.572	-81.9029
102	2.29253	-0.163659	112.598	-82.2781
103	2.29253	-0.150969	112.621	-82.6242
104	2.30259	-0.140835	112.641	-82.9485

105	2.30259	-0.130716	112.658	-83.2495
106	2.30259	-0.12061	112.673	-83.5272
107	2.30259	-0.107995	112.684	-83.7758
108	2.30259	-0.0979139	112.694	-84.0013
109	2.30259	-0.0878447	112.702	-84.2036
110	2.30259	-0.0752698	112.707	-84.3769
111	2.37955	-0.0652187	112.712	-84.5321
112	2.3979	-0.0551734	112.715	-84.6644
113	2.3979	-0.0451348	112.717	-84.7726
114	2.3979	-0.0325917	112.718	-84.8508
115	2.3979	-0.0225612	112.718	-84.9049
116	2.3979	-0.0125328	112.718	-84.9349
117	2.3979	0	112.718	-84.9349
118	2.41591	0.0125328	112.719	-84.9046
119	2.48491	0.0225612	112.719	-84.8486
120	2.48491	0.0325917	112.72	-84.7676
121	2.48491	0.0451348	112.722	-84.6554
122	2.48491	0.0551734	112.725	-84.5183
123	2.48491	0.0652187	112.729	-84.3563
124	2.48491	0.0752698	112.735	-84.1692
125	2.48491	0.0878447	112.743	-83.9509
126	2.48491	0.0979139	112.752	-83.7076
127	2.48491	0.107995	112.764	-83.4393
128	2.48491	0.12061	112.779	-83.1396
129	2.52573	0.130716	112.796	-82.8094
130	2.56495	0.140835	112.816	-82.4482
131	2.56495	0.150969	112.838	-82.061
132	2.56495	0.163659	112.865	-81.6412
133	2.63189	0.173829	112.895	-81.1837
134	2.63906	0.184017	112.929	-80.698
135	2.63906	0.194225	112.967	-80.1855
136	2.63906	0.207012	113.01	-79.6392
137	2.63906	0.217267	113.057	-79.0658
138	2.63906	0.227545	113.109	-78.4653
139	2.63906	0.240426	113.167	-77.8308
140	2.63906	0.250759	113.229	-77.169
141	2.69463	0.26112	113.298	-76.4654
142	2.70805	0.271509	113.371	-75.7301
143	2.70805	0.284535	113.452	-74.9596
144	2.70805	0.294992	113.539	-74.1607
145	2.70805	0.305481	113.633	-73.3335
146	2.70805	0.316004	113.732	-72.4777
147	2.77259	0.329206	113.841	-71.565
148	2.77259	0.33981	113.956	-70.6228
149	2.77259	0.350451	114.079	-69.6512
150	2.77259	0.363809	114.211	-68.6425
151	2.83321	0.374544	114.352	-67.5813
152	2.83321	0.385321	114.5	-66.4896
153	2.83321	0.396142	114.657	-65.3673
154	2.83321	0.409735	114.825	-64.2064
155	2.83321	0.420664	115.002	-63.0146
156	2.83321	0.431644	115.188	-61.7916
157	2.83321	0.442676	115.384	-60.5374
158	2.8622	0.456542	115.593	-59.2307
159	2.8679	0.467699	115.811	-57.8894
160	2.89037	0.478914	116.041	-56.5052
161	2.89037	0.493018	116.284	-55.0801

162	2.89037	0.504372	116.538	-53.6223
163	2.94444	0.515791	116.804	-52.1036
164	2.94444	0.52728	117.082	-50.5511
165	2.99573	0.541736	117.376	-48.9282
166	3.04452	0.553384	117.682	-47.2434
167	3.04452	0.565108	118.001	-45.5229
168	3.07731	0.576911	118.334	-43.7476
169	3.09104	0.591776	118.684	-41.9184
170	3.09104	0.603765	119.049	-40.0521
171	3.09104	0.615839	119.428	-38.1485
172	3.09104	0.631062	119.826	-36.1979
173	3.13549	0.643345	120.24	-34.1807
174	3.13549	0.655726	120.67	-32.1246
175	3.13549	0.668209	121.117	-30.0295
176	3.17805	0.68396	121.585	-27.8558
177	3.17805	0.696684	122.07	-25.6417
178	3.18221	0.709522	122.573	-23.3839
179	3.2068	0.722479	123.095	-21.067
180	3.21888	0.738846	123.641	-18.6888
181	3.25424	0.752084	124.207	-16.2413
182	3.2581	0.765456	124.793	-13.7474
183	3.2581	0.782366	125.405	-11.1983
184	3.27336	0.796056	126.039	-8.59256
185	3.28091	0.809896	126.695	-5.93537
186	3.29584	0.823893	127.373	-3.21995
187	3.3322	0.841621	128.082	-0.415496
188	3.3322	0.855996	128.814	2.43686
189	3.36384	0.87055	129.572	5.36525
190	3.3673	0.885291	130.356	8.34629
191	3.3673	0.903992	131.173	11.3903
192	3.3673	0.919183	132.018	14.4855
193	3.4012	0.93459	132.892	17.6642
194	3.4012	0.954165	133.802	20.9095
195	3.4012	0.970094	134.743	24.209
196	3.4012	0.986272	135.716	27.5635
197	3.4012	1.00271	136.721	30.9739
198	3.4012	1.02365	137.769	34.4555
199	3.4012	1.04073	138.852	37.9953
200	3.4012	1.05812	139.972	41.5942
201	3.4012	1.07584	141.129	45.2533
202	3.43399	1.09847	142.336	49.0254
203	3.49651	1.11699	143.584	52.931
204	3.52636	1.1359	144.874	56.9365
205	3.52636	1.16012	146.22	61.0275
206	3.56105	1.18	147.612	65.2296
207	3.58352	1.20036	149.053	69.5311
208	3.61092	1.22123	150.544	73.9409
209	3.63759	1.24809	152.102	78.4809
210	3.68888	1.27024	153.716	83.1666
211	3.7612	1.29303	155.388	88.03
212	3.85015	1.31652	157.121	93.0988
213	3.85015	1.34694	158.935	98.2847
214	3.89182	1.3722	160.818	103.625
215	3.95124	1.39838	162.773	109.15
216	3.97029	1.4325	164.825	114.838
217	3.98898	1.46106	166.96	120.666
218	4.04305	1.49085	169.183	126.694

219	4.11087	1.52203	171.499	132.95
220	4.14313	1.56322	173.943	139.427
221	4.26268	1.59819	176.497	146.24
222	4.27667	1.63524	179.171	153.233
223	4.34381	1.67466	181.976	160.507
224	4.36945	1.72793	184.962	168.058
225	4.38203	1.77438	188.11	175.833
226	4.39445	1.82501	191.441	183.853
227	4.48864	1.8957	195.034	192.362
228	4.51086	1.95996	198.876	201.203
229	4.66344	2.03352	203.011	210.686
230	4.67283	2.12007	207.506	220.593
231	4.70048	2.25713	212.6	231.203
232	5.07517	2.40892	218.403	243.428
233	5.71703	2.65209	225.437	258.59

Data Set Standard Deviation = 1.21939
Numerator = 66868.9
Denominator = 77767
W Statistic = 0.859863 = 66868.9 / 77767

5% Critical value of 0.976 exceeds 0.859863
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.859863
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Zinc, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	2.63906	143
	5/15/1996	3.17805	185
	5/16/1996	3.09104	178
	5/17/1996	4.04305	218
	11/5/1996	ND<1.09861	37
	4/15/1997	4.70048	231
	10/31/1997	2.19722	108
	6/24/1998	2.30259	113
	12/10/1998	1.79176	84
	5/25/1999	4.39445	226
	11/19/1999	2.48491	128
	5/23/2000	3.17805	186
	12/14/2000	2.56495	139
	6/6/2001	2.48491	129
	11/15/2001	3.04452	175
	6/12/2002	2.48491	130
	11/5/2002	3.49651	203
	6/17/2003	2.48491	131
	12/5/2003	2.70805	151
	6/22/2004	2.70805	152
	10/20/2004	4.11087	219
	6/15/2005	2.83321	160
	6/15/2005	2.83321	161
	6/15/2005	2.83321	162
	11/1/2005	ND<1.09861	37
	3/17/2006	3.7612	211
	9/11/2006	3.61092	208
	2/21/2007	2.3979	121
	8/14/2007	4.14313	220
	2/7/2008	2.07944	100
	8/4/2008	1.60944	78
	2/19/2009	2.07944	101
	8/20/2009	1.60944	79
	1/21/2010	ND<1.60944	37
	9/7/2010	2.07944	102
	1/7/2011	ND<1.60944	37
	8/1/2011	ND<1.60944	37
	2/24/2012	ND<1.60944	37
	8/22/2012	3.07731	177
	1/10/2013	3.56105	206
	8/28/2013	2.3979	122
	2/4/2014	2.37955	120
	8/7/2014	2.18605	107
	2/11/2015	2.52573	138
	8/20/2015	ND<1.60944	37
	2/17/2016	ND<1.60944	37

	2/17/2016	ND<1.60944	37
	8/3/2016	ND<3.4012	37
	1/12/2017	ND<3.4012	37
	7/20/2017	ND<3.4012	37
	1/23/2018	ND<0.875469 J	37
	7/12/2018	ND<1.6864 J	37
	2/13/2019	ND<2.18605 J	37
	8/16/2019	ND<1.25276 J	37
	3/17/2020	ND<0.875469 J	37
	8/25/2020	ND<0.693147 J	37
	3/16/2021	2.48491	132
	7/26/2021	2.63906	144
	3/2/2022	ND<1.28093 J	37
	9/21/2022	1.84055	89
	3/9/2023	ND<0.916291 J	37
	7/19/2023	2.14007	105
	1/23/2024	2.09186	104
	8/26/2024	1.98787	96
	2/3/2025	1.84055	90
	7/22/2025	1.80829	85
	1/6/2026	1.88707	91
Rank Sum = 7478			
Rank Mean = 111.612			
M-17S	5/15/1996	3.52636	204
	11/5/1996	ND<1.09861	37
	4/15/1997	3.68888	210
	10/30/1997	3.2581	191
	6/23/1998	2.99573	174
	12/9/1998	1.38629	77
	5/25/1999	5.07517	232
	11/16/1999	2.89037	169
	5/19/2000	2.63906	145
	12/12/2000	3.63759	209
	6/5/2001	2.48491	133
	11/15/2001	3.52636	205
	6/13/2002	2.94444	172
	11/7/2002	2.07944	103
	6/17/2003	3.21888	189
	12/4/2003	3.2581	192
	6/22/2004	2.56495	140
	10/19/2004	2.63906	146
	6/15/2005	2.30259	114
	6/15/2005	2.30259	115
	6/15/2005	2.30259	116
	11/1/2005	1.60944	80
	3/16/2006	3.13549	182
	9/12/2006	3.3673	199
	2/20/2007	2.77259	156
	8/13/2007	2.3979	123
	2/6/2008	1.94591	93
	8/6/2008	1.60944	81
	2/18/2009	2.3979	124
	8/19/2009	2.48491	134
	1/22/2010	ND<1.60944	37
	9/8/2010	2.30259	117
	1/7/2011	1.94591	94
	8/1/2011	ND<1.60944	37

	2/21/2012	ND<1.60944	37
	8/22/2012	2.69463	150
	1/11/2013	2.41591	127
	8/28/2013	3.36384	198
	2/6/2014	2.63906	147
	8/6/2014	2.63189	142
	2/12/2015	1.97408	95
	8/20/2015	1.82455	87
	2/17/2016	ND<1.60944	37
	2/17/2016	ND<1.60944	37
	8/4/2016	ND<3.4012	37
	1/12/2017	ND<3.4012	37
	7/19/2017	ND<3.4012	37
	1/23/2018	ND<0.832909 J	37
	7/11/2018	ND<1.62924 J	37
	2/13/2019	1.80829	86
	8/13/2019	ND<1.30833 J	37
	3/17/2020	1.88707	92
	8/27/2020	ND<1.6864 J	37
	3/15/2021	2.30259	118
	7/27/2021	4.26268	221
	3/3/2022	ND<1.19392 J	37
	9/21/2022	ND<1.72277	37
	3/9/2023	ND<1.4816 J	37
	7/24/2023	ND<1.09861 J	37
	1/23/2024	2.48491	135
	8/26/2024	ND<0.788457 J	37
	2/3/2025	ND<1.06471 J	37
	7/21/2025	ND<1.64866 J	37
	1/6/2026	1.75786	82
Rank Sum = 7039			
Rank Mean = 109.984			
M-23	12/8/1998	4.67283	230
	12/9/1998	4.27667	222
	12/10/1998	4.51086	228
	12/11/1998	5.71703	233
	5/27/1999	3.89182	214
	5/23/2000	4.36945	224
	11/17/2000	3.97029	216
	12/13/2000	3.3322	196
	6/8/2001	4.34381	223
	11/14/2001	4.66344	229
	6/14/2002	3.98898	217
	11/5/2002	3.13549	183
	6/17/2003	3.09104	179
	12/5/2003	3.85015	212
	6/25/2004	3.95124	215
	10/19/2004	3.09104	180
	6/15/2005	-4.13517	74
	6/15/2005	-4.13517	75
	6/15/2005	-4.13517	76
	11/2/2005	3.85015	213
	3/16/2006	3.04452	176
	9/12/2006	4.48864	227
	2/22/2007	3.58352	207
	8/15/2007	4.38203	225
	2/6/2008	2.70805	153

8/4/2008	3.09104	181
2/18/2009	2.94444	173
8/19/2009	2.70805	154
1/21/2010	2.77259	157
9/7/2010	2.83321	163
1/7/2011	2.83321	164
8/1/2011	2.63906	148
2/21/2012	2.89037	170
8/22/2012	3.2068	188
1/11/2013	2.8622	167
8/29/2013	3.27336	193
2/6/2014	3.25424	190
8/6/2014	3.18221	187
2/10/2015	3.28091	194
8/18/2015	2.8679	168
2/17/2016	2.29253	111
2/17/2016	2.29253	112
8/3/2016	ND<3.4012	37
1/12/2017	ND<3.4012	37
7/19/2017	ND<3.4012	37
1/23/2018	1.98787	97
7/11/2018	3.13549	184
2/13/2019	2.83321	165
8/16/2019	2.89037	171
3/17/2020	2.48491	136
8/25/2020	2.48491	137
3/16/2021	2.77259	158
7/26/2021	2.83321	166
3/2/2022	2.77259	159
9/21/2022	2.3979	125
3/9/2023	2.30259	119
7/24/2023	2.3979	126
1/23/2024	2.2192	110
8/26/2024	2.05412	98
2/3/2025	2.70805	155
7/21/2025	2.63906	149
1/6/2026	2.15176	106

Rank Sum = 10119
Rank Mean = 163.21

Background Rank Sum = 24636
Background Rank Mean = 127.648

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<1.72277	37
	8/27/2024	ND<0.955511 J	37
	2/7/2025	ND<0.916291 J	37
	7/23/2025	ND<1.25276 J	37
	1/7/2026	ND<1.41099 J	37

Rank Sum = 185
Rank Mean = 37

M-24D	1/24/2024	3.29584	195
	8/29/2024	3.3322	197
	2/5/2025	3.3673	200

	7/24/2025	3.43399	202
	1/8/2026	3.3673	201

Rank Sum = 995
Rank Mean = 199

M-7	1/24/2024	ND<1.72277	37
	8/28/2024	ND<0.693147 J	37
	2/4/2025	1.82455	88
	7/21/2025	ND<1.06471 J	37
	1/5/2026	ND<1.72277	37

Rank Sum = 236
Rank Mean = 47.2

M-8	1/24/2024	ND<1.72277	37
	8/27/2024	ND<0.875469 J	37
	2/5/2025	ND<1.72277	37
	7/24/2025	ND<0.832909 J	37
	1/8/2026	ND<1.25276 J	37

Rank Sum = 185
Rank Mean = 37

M-18	1/25/2024	ND<1.72277	37
	8/28/2024	ND<1.72277	37
	2/5/2025	ND<1.72277	37
	7/22/2025	ND<1.72277	37
	1/7/2026	ND<1.72277	37

Rank Sum = 185
Rank Mean = 37

M-9S	1/25/2024	ND<1.72277	37
	8/28/2024	ND<0.916291 J	37
	2/5/2025	ND<1.72277	37
	7/22/2025	ND<1.72277	37
	1/8/2026	ND<1.72277	37

Rank Sum = 185
Rank Mean = 37

M-21	1/22/2024	ND<0.641854 J	37
	8/27/2024	2.20827	109
	2/4/2025	1.77495	83
	7/21/2025	ND<1.62924 J	37
	1/7/2026	2.06686	99

Rank Sum = 365
Rank Mean = 73

M-19	1/22/2024	ND<1.30833 J	37
	8/29/2024	2.56495	141
	2/3/2025	ND<1.52606 J	37
	7/23/2025	ND<1.25276 J	37
	1/6/2026	ND<1.30833 J	37

Rank Sum = 289
Rank Mean = 57.8

Calculation Results:

Kruskal-Wallis H Statistic = 51.7364
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 53.3777

95% Confidence comparison value is 15.5073 at 8 degrees of freedom

51.7364 > 15.5073 indicating a significant group difference at 5% significance level

53.3777 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 127.648

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	37	-90.6477	71.0293
M-24D	**199**	**71.3523**	**71.0293**
M-7	47.2	-80.4477	71.0293
M-8	37	-90.6477	71.0293
M-18	37	-90.6477	71.0293
M-9S	37	-90.6477	71.0293
M-21	73	-54.6477	71.0293
M-19	57.8	-69.8477	71.0293

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 127.648

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	37	-90.6477	76.702
M-24D	199	71.3523	76.702
M-7	47.2	-80.4477	76.702
M-8	37	-90.6477	76.702
M-18	37	-90.6477	76.702
M-9S	37	-90.6477	76.702
M-21	73	-54.6477	76.702
M-19	57.8	-69.8477	76.702

Shapiro-Francia Test of Normality

Parameter: Alkalinity, Total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 288

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	2.70805	-2.74777	7.55021	-7.44109
2	2.70805	-2.51213	13.861	-14.2441
3	2.77259	-2.32634	19.2729	-20.6941
4	2.89037	-2.22621	24.2289	-27.1286
5	2.99573	-2.12007	28.7236	-33.4798
6	2.99573	-2.05375	32.9415	-39.6323
7	3.04452	-1.97737	36.8515	-45.6524
8	3.04452	-1.92684	40.5642	-51.5187
9	3.09104	-1.86629	44.0472	-57.2875
10	3.09104	-1.82501	47.3778	-62.9287
11	3.09104	-1.77438	50.5263	-68.4133
12	3.13549	-1.7392	53.5511	-73.8666
13	3.13549	-1.70604	56.4617	-79.2159
14	3.13549	-1.66456	59.2324	-84.4351
15	3.13549	-1.63524	61.9064	-89.5624
16	3.13549	-1.59819	64.4606	-94.5735
17	3.13549	-1.57179	66.9312	-99.5018
18	3.13549	-1.5382	69.2972	-104.325
19	3.13549	-1.5141	71.5897	-109.072
20	3.18635	-1.48328	73.7899	-113.799
21	3.21888	-1.46106	75.9245	-118.502
22	3.21888	-1.4325	77.9766	-123.113
23	3.28091	-1.41183	79.9699	-127.745
24	3.46574	-1.38517	81.8886	-132.545
25	3.49651	-1.36581	83.754	-137.321
26	3.49651	-1.34694	85.5683	-142.03
27	3.52636	-1.32251	87.3173	-146.694
28	3.52636	-1.30469	89.0195	-151.295
29	3.61092	-1.28155	90.6619	-155.922
30	4.15888	-1.26464	92.2612	-161.182
31	4.17439	-1.24264	93.8053	-166.369
32	4.20469	-1.22653	95.3097	-171.526
33	4.3631	-1.20553	96.763	-176.786
34	4.44265	-1.19012	98.1794	-182.074
35	4.56435	-1.17	99.5483	-187.414
36	4.57471	-1.15522	100.883	-192.699
37	4.58497	-1.1359	102.173	-197.907
38	4.59512	-1.12168	103.431	-203.061
39	4.63473	-1.10768	104.658	-208.195
40	4.74493	-1.08935	105.845	-213.364
41	4.82028	-1.07584	107.002	-218.549
42	4.91998	-1.05812	108.122	-223.755
43	5.04343	-1.04505	109.214	-229.026
44	5.04343	-1.02789	110.271	-234.21
45	5.05625	-1.01522	111.301	-239.343
46	5.0876	-0.998575	112.298	-244.424
47	5.09375	-0.986272	113.271	-249.447

48	5.10595	-0.970094	114.212	-254.401
49	5.1985	-0.958125	115.13	-259.382
50	5.22036	-0.942375	116.018	-264.301
51	5.273	-0.930718	116.885	-269.209
52	6.90776	-0.919183	117.729	-275.558
53	6.90776	-0.903992	118.547	-281.803
54	6.90776	-0.892733	119.344	-287.97
55	6.90776	-0.877897	120.114	-294.034
56	9.4727	-0.866894	120.866	-302.246
57	9.68034	-0.852385	121.592	-310.497
58	9.68034	-0.841621	122.301	-318.644
59	9.68034	-0.827417	122.985	-326.654
60	9.68034	-0.816874	123.653	-334.562
61	9.68034	-0.802956	124.297	-342.334
62	9.68034	-0.792618	124.926	-350.007
63	9.68034	-0.782366	125.538	-357.581
64	9.68034	-0.768821	126.129	-365.023
65	9.68034	-0.758753	126.705	-372.368
66	9.68034	-0.745449	127.26	-379.584
67	9.79813	-0.735557	127.801	-386.792
68	9.85219	-0.722479	128.323	-393.91
69	9.86267	-0.712751	128.831	-400.939
70	9.86267	-0.699883	129.321	-407.842
71	9.88837	-0.690309	129.798	-414.668
72	9.88837	-0.677639	130.257	-421.369
73	9.90349	-0.668209	130.703	-427.986
74	9.90349	-0.655726	131.133	-434.48
75	9.90349	-0.646431	131.551	-440.882
76	9.90349	-0.637192	131.957	-447.193
77	9.90349	-0.624956	132.348	-453.382
78	9.90349	-0.615839	132.727	-459.481
79	9.95228	-0.603765	133.092	-465.49
80	9.95228	-0.594766	133.445	-471.409
81	9.95228	-0.582841	133.785	-477.21
82	9.95228	-0.573953	134.114	-482.922
83	9.95228	-0.56217	134.43	-488.517
84	9.95228	-0.553384	134.737	-494.024
85	9.9988	-0.541736	135.03	-499.441
86	9.9988	-0.533048	135.314	-504.771
87	9.9988	-0.521527	135.586	-509.985
88	9.9988	-0.51293	135.849	-515.114
89	9.9988	-0.504372	136.104	-520.157
90	9.9988	-0.493018	136.347	-525.087
91	10.0432	-0.484544	136.582	-529.953
92	10.0432	-0.473299	136.806	-534.706
93	10.0432	-0.464904	137.022	-539.376
94	10.0432	-0.453763	137.228	-543.933
95	10.0432	-0.445443	137.426	-548.406
96	10.0432	-0.434397	137.615	-552.769
97	10.0432	-0.426148	137.796	-557.049
98	10.0432	-0.415193	137.969	-561.219
99	10.0432	-0.40701	138.134	-565.307
100	10.0432	-0.396142	138.291	-569.285
101	10.0858	-0.388022	138.442	-573.199
102	10.0858	-0.379927	138.586	-577.031
103	10.1146	-0.369171	138.723	-580.765
104	10.1266	-0.361133	138.853	-584.422

105	10.1266	-0.350451	138.976	-587.971
106	10.1266	-0.342466	139.093	-591.439
107	10.1266	-0.331854	139.203	-594.799
108	10.1266	-0.323919	139.308	-598.079
109	10.1266	-0.31337	139.406	-601.253
110	10.1266	-0.305481	139.5	-604.346
111	10.1266	-0.294992	139.587	-607.334
112	10.1659	-0.287147	139.669	-610.253
113	10.1659	-0.276714	139.746	-613.066
114	10.1659	-0.268908	139.818	-615.799
115	10.1659	-0.26112	139.886	-618.454
116	10.1773	-0.250759	139.949	-621.006
117	10.1811	-0.243007	140.008	-623.48
118	10.1887	-0.232693	140.062	-625.851
119	10.1999	-0.224974	140.113	-628.146
120	10.2036	-0.214702	140.159	-630.336
121	10.2036	-0.207012	140.202	-632.449
122	10.2036	-0.196779	140.241	-634.456
123	10.2036	-0.189118	140.276	-636.386
124	10.2036	-0.17892	140.308	-638.212
125	10.2183	-0.171285	140.338	-639.962
126	10.24	-0.163659	140.364	-641.638
127	10.24	-0.153505	140.388	-643.21
128	10.2435	-0.1459	140.409	-644.704
129	10.2751	-0.135774	140.428	-646.099
130	10.2751	-0.128189	140.444	-647.416
131	10.2751	-0.118085	140.458	-648.63
132	10.2751	-0.110516	140.47	-649.765
133	10.2751	-0.100433	140.48	-650.797
134	10.2751	-0.0928787	140.489	-651.752
135	10.2751	-0.0828129	140.496	-652.603
136	10.309	-0.0752698	140.502	-653.379
137	10.309	-0.0652187	140.506	-654.051
138	10.3156	-0.0576847	140.509	-654.646
139	10.3417	-0.0501541	140.512	-655.165
140	10.3417	-0.0401167	140.513	-655.579
141	10.3417	-0.0325917	140.514	-655.917
142	10.3417	-0.0225612	140.515	-656.15
143	10.3417	-0.0150408	140.515	-656.305
144	10.3735	-0.00501359	140.515	-656.357
145	10.3735	0.00501359	140.515	-656.305
146	10.3735	0.0150408	140.515	-656.149
147	10.3735	0.0225612	140.516	-655.915
148	10.3735	0.0325917	140.517	-655.577
149	10.3735	0.0401167	140.519	-655.161
150	10.3735	0.0501541	140.521	-654.641
151	10.3735	0.0576847	140.524	-654.042
152	10.3921	0.0652187	140.529	-653.365
153	10.3921	0.0752698	140.534	-652.582
154	10.4043	0.0828129	140.541	-651.721
155	10.4043	0.0928787	140.55	-650.755
156	10.4043	0.100433	140.56	-649.71
157	10.4043	0.110516	140.572	-648.56
158	10.4043	0.118085	140.586	-647.331
159	10.4043	0.128189	140.602	-645.997
160	10.4341	0.135774	140.621	-644.581
161	10.4341	0.1459	140.642	-643.058

162	10.4341	0.153505	140.666	-641.457
163	10.4341	0.163659	140.693	-639.749
164	10.4631	0.171285	140.722	-637.957
165	10.4913	0.17892	140.754	-636.08
166	10.4913	0.189118	140.79	-634.096
167	10.4913	0.196779	140.828	-632.031
168	10.4913	0.207012	140.871	-629.859
169	10.4913	0.214702	140.917	-627.607
170	10.5187	0.224974	140.968	-625.241
171	10.5187	0.232693	141.022	-622.793
172	10.5453	0.243007	141.081	-620.23
173	10.5453	0.250759	141.144	-617.586
174	10.5453	0.26112	141.212	-614.832
175	10.5453	0.268908	141.284	-611.997
176	10.5453	0.276714	141.361	-609.079
177	10.5453	0.287147	141.444	-606.051
178	10.5713	0.294992	141.531	-602.932
179	10.5713	0.305481	141.624	-599.703
180	10.5713	0.31337	141.722	-596.39
181	10.5713	0.323919	141.827	-592.966
182	10.5713	0.331854	141.937	-589.458
183	10.5966	0.342466	142.054	-585.829
184	10.5966	0.350451	142.177	-582.115
185	10.6213	0.361133	142.308	-578.279
186	10.6213	0.369171	142.444	-574.358
187	10.6213	0.379927	142.588	-570.323
188	10.6213	0.388022	142.739	-566.202
189	10.6213	0.396142	142.896	-561.994
190	10.6454	0.40701	143.061	-557.661
191	10.6454	0.415193	143.234	-553.241
192	10.6454	0.426148	143.415	-548.705
193	10.6919	0.434397	143.604	-544.06
194	10.6919	0.445443	143.802	-539.298
195	10.6919	0.453763	144.008	-534.446
196	10.7364	0.464904	144.225	-529.455
197	10.7579	0.473299	144.449	-524.363
198	10.7579	0.484544	144.683	-519.15
199	10.7579	0.493018	144.926	-513.846
200	10.7579	0.504372	145.181	-508.42
201	10.7579	0.51293	145.444	-502.902
202	10.7579	0.521527	145.716	-497.292
203	10.7748	0.533048	146	-491.548
204	10.779	0.541736	146.293	-485.709
205	10.7852	0.553384	146.6	-479.741
206	10.7852	0.56217	146.916	-473.678
207	10.7996	0.573953	147.245	-467.479
208	10.7996	0.582841	147.585	-461.185
209	10.7996	0.594766	147.939	-454.761
210	10.859	0.603765	148.303	-448.205
211	10.859	0.615839	148.682	-441.518
212	10.859	0.624956	149.073	-434.731
213	10.859	0.637192	149.479	-427.812
214	10.8967	0.646431	149.897	-420.768
215	10.9682	0.655726	150.327	-413.576
216	10.9971	0.668209	150.773	-406.228
217	11.0186	0.677639	151.233	-398.761
218	11.0509	0.690309	151.709	-391.132

219	11.0666	0.699883	152.199	-383.387
220	11.1419	0.712751	152.707	-375.446
221	11.1563	0.722479	153.229	-367.386
222	11.2306	0.735557	153.77	-359.125
223	11.2385	0.745449	154.326	-350.747
224	11.2385	0.758753	154.901	-342.22
225	11.2516	0.768821	155.492	-333.569
226	11.2645	0.782366	156.105	-324.757
227	11.2772	0.792618	156.733	-315.818
228	11.4076	0.802956	157.378	-306.658
229	11.4404	0.816874	158.045	-297.313
230	11.4511	0.827417	158.729	-287.838
231	11.4835	0.841621	159.438	-278.173
232	11.5229	0.852385	160.164	-268.351
233	11.5425	0.866894	160.916	-258.345
234	11.6082	0.877897	161.687	-248.154
235	11.6173	0.892733	162.483	-237.783
236	11.6351	0.903992	163.301	-227.265
237	11.7199	0.919183	164.146	-216.493
238	11.744	0.930718	165.012	-205.562
239	11.813	0.942375	165.9	-194.43
240	11.8422	0.958125	166.818	-183.083
241	11.8706	0.970094	167.759	-171.568
242	11.8776	0.986272	168.732	-159.853
243	11.9117	0.998575	169.729	-147.959
244	11.9316	1.01522	170.76	-135.845
245	11.9447	1.02789	171.816	-123.568
246	11.9512	1.04505	172.908	-111.078
247	11.9512	1.05812	174.028	-98.4321
248	11.9512	1.07584	175.185	-85.5746
249	11.9576	1.08935	176.372	-72.5486
250	11.9892	1.10768	177.599	-59.2684
251	11.9892	1.12168	178.857	-45.8204
252	12.0076	1.1359	180.147	-32.181
253	12.0137	1.15522	181.482	-18.3026
254	12.0317	1.17	182.851	-4.22543
255	12.0377	1.19012	184.267	10.1008
256	12.061	1.20553	185.72	24.6407
257	12.0951	1.22653	187.225	39.4758
258	12.1063	1.24264	188.769	54.5195
259	12.1172	1.26464	190.368	69.8435
260	12.1172	1.28155	192.011	85.3723
261	12.1227	1.30469	193.713	101.189
262	12.1281	1.32251	195.462	117.228
263	12.1281	1.34694	197.276	133.564
264	12.1389	1.36581	199.142	150.143
265	12.1389	1.38517	201.06	166.958
266	12.1389	1.41183	203.054	184.096
267	12.1495	1.4325	205.106	201.5
268	12.1548	1.46106	207.24	219.259
269	12.1548	1.48328	209.44	237.288
270	12.191	1.5141	211.733	255.746
271	12.2405	1.5382	214.099	274.574
272	12.2405	1.57179	216.57	293.814
273	12.2501	1.59819	219.124	313.392
274	12.2643	1.63524	221.798	333.447
275	12.2784	1.66456	224.568	353.885

276	12.2877	1.70604	227.479	374.848
277	12.3014	1.7392	230.504	396.243
278	12.3014	1.77438	233.652	418.07
279	12.3014	1.82501	236.983	440.52
280	12.3059	1.86629	240.466	463.487
281	12.3059	1.92684	244.179	487.198
282	12.3104	1.97737	248.089	511.541
283	12.3758	2.05375	252.307	536.957
284	12.4372	2.12007	256.801	563.325
285	12.4451	2.22621	261.757	591.03
286	12.6215	2.32634	267.169	620.392
287	12.6379	2.51213	273.48	652.14
288	12.7129	2.74777	281.03	687.072

Data Set Standard Deviation = 2.79481
Numerator = 472068
Denominator = 629999
W Statistic = 0.749316 = 472068 / 629999

5% Critical value of 0.976 exceeds 0.749316
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.749316
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Alkalinity, Total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	10.4043	154
	5/14/1996	10.4043	155
	5/15/1996	10.7579	197
	5/15/1996	10.7579	198
	5/16/1996	10.4913	165
	5/16/1996	10.4913	166
	5/17/1996	10.5453	172
	5/17/1996	10.5453	173
	11/5/1996	ND<6.90776	2.5
	11/5/1996	ND<6.90776	2.5
	4/15/1997	10.859	210
	4/15/1997	10.859	211
	10/31/1997	10.7579	199
	10/31/1997	10.7579	200
	6/24/1998	10.4341	160
	6/24/1998	10.4341	161
	12/10/1998	10.3417	139
	12/10/1998	10.3417	140
	5/25/1999	ND<6.90776	2.5
	5/25/1999	10.7579	201
	11/19/1999	10.309	136
	11/19/1999	10.309	137
	5/23/2000	10.1659	112
	5/23/2000	10.1659	113
	12/14/2000	10.1659	114
	12/14/2000	10.1659	115
	6/6/2001	10.4913	167
	6/6/2001	10.4913	168
	11/15/2001	10.6454	190
	11/15/2001	10.6454	191
	6/12/2002	10.2751	129
	6/12/2002	10.2751	130
	11/5/2002	10.5966	183
	11/5/2002	10.5966	184
	6/17/2003	10.7852	205
	6/17/2003	10.7852	206
	12/5/2003	10.3735	144
	12/5/2003	10.3735	145
	6/22/2004	10.2751	131
	6/22/2004	10.2751	132
	10/20/2004	10.7996	207
	10/20/2004	10.7996	208
	6/15/2005	3.49651	29
	6/15/2005	3.49651	30
	11/1/2005	3.52636	31
	11/1/2005	3.52636	32

	3/17/2006	4.58497	41
	9/11/2006	3.46574	28
	2/21/2007	4.91998	46
	8/14/2007	4.59512	42
	2/7/2008	5.1985	53
	8/4/2008	5.04343	47
	2/19/2009	5.273	55
	8/20/2009	5.22036	54
	1/21/2010	5.10595	52
	9/7/2010	4.63473	43
	1/7/2011	5.05625	49
	8/1/2011	5.0876	50
	2/24/2012	5.09375	51
	8/22/2012	11.5229	232
	1/10/2013	12.0137	253
	8/28/2013	12.0377	255
	2/4/2014	12.1063	258
	8/7/2014	11.9892	250
	2/11/2015	12.061	256
	8/20/2015	11.9512	246
	2/17/2016	11.9512	247
	2/17/2016	11.9512	248
	8/3/2016	11.9576	249
	1/12/2017	12.0076	252
	7/20/2017	12.0317	254
	1/23/2018	12.191	270
	7/12/2018	12.1172	259
	2/13/2019	12.1281	262
	8/16/2019	12.1389	264
	3/17/2020	12.3758	283
	8/25/2020	12.1389	265
	3/16/2021	12.4451	285
	7/26/2021	12.0951	257
	3/2/2022	12.2405	271
	9/21/2022	12.1495	267
	3/9/2023	12.2501	273
	7/19/2023	12.2643	274
	1/23/2024	12.3014	277
	8/26/2024	12.1389	266
	2/3/2025	12.1281	263
	7/22/2025	12.2784	275
	1/6/2026	12.1227	261
Rank Sum = 14760.5			
Rank Mean = 167.733			
M-17S	5/15/1996	10.3735	146
	5/15/1996	10.3735	147
	11/5/1996	10.3417	141
	11/5/1996	10.3417	142
	4/15/1997	9.68034	57
	4/15/1997	9.68034	58
	10/30/1997	10.1266	104
	10/30/1997	10.1266	105
	6/23/1998	9.68034	59
	6/23/1998	9.68034	60
	12/9/1998	10.3417	143
	12/9/1998	9.9988	85
	5/25/1999	ND<6.90776	2.5

5/25/1999	9.4727	56
11/16/1999	9.68034	61
11/16/1999	9.68034	62
5/19/2000	9.9988	86
5/19/2000	9.9988	87
12/12/2000	10.1266	106
12/12/2000	10.1266	107
6/5/2001	9.90349	73
6/5/2001	9.90349	74
11/15/2001	9.90349	75
11/15/2001	9.90349	76
6/13/2002	10.6213	185
6/13/2002	10.6213	186
11/7/2002	10.5187	170
11/7/2002	10.5187	171
6/17/2003	10.3921	152
6/17/2003	10.3921	153
12/4/2003	10.4043	156
12/4/2003	10.4043	157
6/22/2004	10.2036	120
6/22/2004	10.2036	121
10/19/2004	10.3735	148
10/19/2004	10.3735	149
6/15/2005	3.13549	16
6/15/2005	3.13549	17
11/1/2005	2.70805	5
11/1/2005	2.70805	6
3/16/2006	2.89037	8
9/12/2006	4.57471	40
2/20/2007	4.17439	35
8/13/2007	3.13549	18
2/6/2008	4.82028	45
8/6/2008	4.15888	34
2/18/2009	4.20469	36
8/19/2009	4.74493	44
1/22/2010	5.04343	48
9/8/2010	3.61092	33
1/7/2011	4.3631	37
8/1/2011	4.56435	39
2/21/2012	4.44265	38
8/22/2012	10.7748	203
1/11/2013	11.744	238
8/28/2013	10.9971	216
2/6/2014	11.4835	231
8/6/2014	11.2516	225
2/12/2015	11.2306	222
8/20/2015	11.8706	241
2/17/2016	12.1548	268
2/17/2016	12.1548	269
8/4/2016	11.8422	240
1/12/2017	11.6351	236
7/19/2017	12.3059	280
1/23/2018	12.4372	284
7/11/2018	11.4511	230
2/13/2019	11.0509	218
8/13/2019	11.6082	234
3/17/2020	10.7996	209

	8/27/2020	10.5453	174
	3/15/2021	11.0186	217
	7/27/2021	12.3014	278
	3/3/2022	11.1563	221
	9/21/2022	11.9316	244
	3/9/2023	12.3104	282
	7/24/2023	11.9892	251
	1/23/2024	12.6215	286
	8/26/2024	11.5425	233
	2/3/2025	12.3059	281
	7/21/2025	12.6379	287
	1/6/2026	12.7129	288
Rank Sum = 11565.5			
Rank Mean = 141.043			
M-23	12/8/1998	10.0432	91
	12/8/1998	10.0432	92
	12/9/1998	10.24	126
	12/9/1998	10.24	127
	12/10/1998	10.859	212
	12/10/1998	10.859	213
	12/11/1998	10.6213	187
	12/11/1998	10.6213	188
	5/27/1999	9.68034	63
	5/27/1999	9.68034	64
	5/23/2000	10.1266	108
	5/23/2000	10.1266	109
	11/17/2000	10.0432	93
	11/17/2000	10.0432	94
	12/13/2000	9.68034	65
	12/13/2000	9.68034	66
	6/8/2001	9.95228	79
	6/8/2001	9.95228	80
	11/14/2001	10.2751	133
	11/14/2001	10.2751	134
	6/14/2002	10.0432	95
	6/14/2002	10.0432	96
	11/5/2002	10.1266	110
	11/5/2002	10.1266	111
	6/17/2003	9.88837	71
	6/17/2003	9.88837	72
	12/5/2003	10.0432	97
	12/5/2003	10.0432	98
	6/25/2004	9.90349	77
	6/25/2004	9.90349	78
	10/19/2004	9.95228	81
	10/19/2004	9.95228	82
	6/15/2005	3.04452	11
	6/15/2005	3.04452	12
	11/2/2005	3.13549	19
	11/2/2005	3.13549	20
	3/16/2006	2.99573	9
	9/12/2006	3.09104	13
	2/22/2007	2.99573	10
	8/15/2007	3.13549	21
	2/6/2008	3.13549	22
	8/4/2008	3.09104	14
	2/18/2009	3.21888	25

8/19/2009	3.28091	27
1/21/2010	2.77259	7
9/7/2010	3.13549	23
1/7/2011	3.18635	24
8/1/2011	3.21888	26
2/21/2012	3.09104	15
8/22/2012	10.1811	117
1/11/2013	9.9988	88
8/29/2013	10.1999	119
2/6/2014	10.1146	103
8/6/2014	10.4043	158
2/10/2015	10.2435	128
8/18/2015	10.1887	118
2/17/2016	9.86267	69
2/17/2016	9.86267	70
8/3/2016	10.1773	116
1/12/2017	10.2183	125
7/19/2017	10.3156	138
1/23/2018	10.6454	192
7/11/2018	10.4043	159
2/13/2019	10.2036	122
8/16/2019	10.3735	150
3/17/2020	10.5713	178
8/25/2020	10.3735	151
3/16/2021	10.2036	123
7/26/2021	10.5713	179
3/2/2022	10.4631	164
9/21/2022	10.5453	175
3/9/2023	9.9988	89
7/24/2023	10.6213	189
1/23/2024	10.2036	124
8/26/2024	10.5713	180
2/3/2025	10.7364	196
7/21/2025	10.4341	162
1/6/2026	10.5713	181

Rank Sum = 7753
Rank Mean = 99.3974

Background Rank Sum = 34079
Background Rank Mean = 137.415

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	11.4076	228
	8/27/2024	11.4404	229
	2/7/2025	11.2645	226
	7/23/2025	10.9682	215
	1/7/2026	10.8967	214

Rank Sum = 1112
Rank Mean = 222.4

M-24D	1/24/2024	10.0432	99
	8/29/2024	10.0858	101
	2/5/2025	10.0858	102
	7/24/2025	9.95228	83
	1/8/2026	9.95228	84

Rank Sum = 469
Rank Mean = 93.8

M-7	1/24/2024	10.5453	176
	8/28/2024	10.5453	177
	2/4/2025	10.6919	193
	7/21/2025	10.5713	182
	1/5/2026	10.4341	163

Rank Sum = 891
Rank Mean = 178.2

M-8	1/24/2024	10.0432	100
	8/27/2024	9.9988	90
	2/5/2025	9.85219	68
	7/24/2025	9.79813	67
	1/8/2026	10.2751	135

Rank Sum = 460
Rank Mean = 92

M-18	1/25/2024	12.3014	279
	8/28/2024	12.2877	276
	2/5/2025	11.9447	245
	7/22/2025	12.2405	272
	1/7/2026	12.1172	260

Rank Sum = 1332
Rank Mean = 266.4

M-9S	1/25/2024	11.0666	219
	8/28/2024	11.1419	220
	2/5/2025	11.2385	223
	7/22/2025	11.2385	224
	1/8/2026	11.2772	227

Rank Sum = 1113
Rank Mean = 222.6

M-21	1/22/2024	11.9117	243
	8/27/2024	11.813	239
	2/4/2025	11.7199	237
	7/21/2025	11.8776	242
	1/7/2026	11.6173	235

Rank Sum = 1196
Rank Mean = 239.2

M-19	1/22/2024	10.7579	202
	8/29/2024	10.4913	169
	2/3/2025	10.6919	194
	7/23/2025	10.779	204
	1/6/2026	10.6919	195

Rank Sum = 964
Rank Mean = 192.8

Calculation Results:

Kruskal-Wallis H Statistic = 34.0835
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 34.0836
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
34.0835 > 15.5073 indicating a significant group difference at 5% significance level

34.0836 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 137.415

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	222.4	84.9847	87.514
M-24D	93.8	-43.6153	87.514
M-7	178.2	40.7847	87.514
M-8	92	-45.4153	87.514
M-18	**266.4**	**128.985**	**87.514**
M-9S	222.6	85.1847	87.514
M-21	**239.2**	**101.785**	**87.514**
M-19	192.8	55.3847	87.514

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 137.415

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	222.4	84.9847	94.5032
M-24D	93.8	-43.6153	94.5032
M-7	178.2	40.7847	94.5032
M-8	92	-45.4153	94.5032
M-18	**266.4**	**128.985**	**94.5032**
M-9S	222.6	85.1847	94.5032
M-21	**239.2**	**101.785**	**94.5032**
M-19	192.8	55.3847	94.5032

Shapiro-Francia Test of Normality

Parameter: Ammonia-N, Low Level

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 340

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-1.60944	-2.87815	8.28375	4.6322
2	-1.60944	-2.57583	14.9187	8.77785
3	-1.60944	-2.40892	20.7216	12.6549
4	-1.60944	-2.29036	25.9673	16.3411
5	-1.60944	-2.19728	30.7954	19.8775
6	-1.60944	-2.12007	35.2901	23.2896
7	-1.60944	-2.05375	39.508	26.595
8	-1.60944	-1.99539	43.4896	29.8064
9	-1.60944	-1.94314	47.2654	32.9338
10	-1.60944	-1.8957	50.859	35.9848
11	-1.60944	-1.85218	54.2896	38.9657
12	-1.60944	-1.81191	57.5726	41.8819
13	-1.60944	-1.77438	60.721	44.7377
14	-1.60944	-1.7392	63.7458	47.5368
15	-1.60944	-1.71688	66.6935	50.3
16	-1.60944	-1.68494	69.5326	53.0118
17	-1.60944	-1.65463	72.2703	55.6748
18	-1.60944	-1.62576	74.9134	58.2914
19	2.30259	-1.59819	77.4677	54.6114
20	2.30259	-1.57179	79.9382	50.9922
21	2.30259	-1.54643	82.3296	47.4315
22	2.30259	-1.52203	84.6462	43.9268
23	2.30259	-1.49852	86.8918	40.4764
24	2.30259	-1.47579	89.0697	37.0782
25	2.30259	-1.4538	91.1833	33.7307
26	2.99573	-1.4325	93.2354	29.4393
27	2.99573	-1.41183	95.2286	25.2099
28	2.99573	-1.39175	97.1656	21.0406
29	2.99573	-1.3722	99.0485	16.9298
30	2.99573	-1.35946	100.897	12.8572
31	2.99573	-1.34075	102.694	8.84069
32	2.99573	-1.32251	104.443	4.87882
33	2.99573	-1.30469	106.146	0.970326
34	2.99573	-1.28727	107.803	-2.886
35	2.99573	-1.27024	109.416	-6.69128
36	3.4012	-1.25357	110.988	-10.9549
37	3.4012	-1.23724	112.518	-15.163
38	3.4012	-1.22123	114.01	-19.3166
39	3.4012	-1.20553	115.463	-23.4169
40	3.4012	-1.19012	116.879	-27.4647
41	3.4012	-1.17499	118.26	-31.4611
42	3.4012	-1.16012	119.606	-35.4069
43	3.4012	-1.1455	120.918	-39.3029
44	3.4012	-1.13113	122.197	-43.1501
45	3.66356	-1.12168	123.456	-47.2595
46	3.68888	-1.10768	124.683	-51.3456
47	3.68888	-1.0939	125.879	-55.3808

48	3.68888	-1.08032	127.046	-59.366
49	3.68888	-1.06694	128.185	-63.3018
50	3.68888	-1.05375	129.295	-67.1889
51	3.68888	-1.04073	130.378	-71.0281
52	3.68888	-1.02789	131.435	-74.8199
53	3.91202	-1.01522	132.465	-78.7914
54	3.91202	-1.00271	133.471	-82.7141
55	3.91202	-0.990356	134.452	-86.5883
56	4.09434	-0.97815	135.408	-90.5932
57	4.09434	-0.966088	136.342	-94.5487
58	4.09434	-0.954165	137.252	-98.4554
59	4.09434	-0.942375	138.14	-102.314
60	4.09434	-0.93459	139.014	-106.14
61	4.09434	-0.923014	139.866	-109.919
62	4.38203	-0.911562	140.697	-113.914
63	4.38203	-0.900227	141.507	-117.859
64	4.60517	-0.889006	142.297	-121.953
65	4.60517	-0.877897	143.068	-125.996
66	4.60517	-0.866894	143.82	-129.988
67	4.60517	-0.855996	144.552	-133.93
68	4.60517	-0.845198	145.267	-137.822
69	4.60517	-0.834498	145.963	-141.665
70	4.60517	-0.823893	146.642	-145.459
71	4.60517	-0.813379	147.303	-149.205
72	4.60517	-0.802956	147.948	-152.903
73	4.60517	-0.792618	148.576	-156.553
74	4.60517	-0.782366	149.188	-160.156
75	4.60517	-0.775574	149.79	-163.728
76	4.60517	-0.765456	150.376	-167.253
77	4.60517	-0.755415	150.947	-170.731
78	4.60517	-0.745449	151.502	-174.164
79	4.60517	-0.735557	152.043	-177.552
80	4.60517	-0.725736	152.57	-180.894
81	4.60517	-0.715986	153.083	-184.191
82	4.60517	-0.706302	153.581	-187.444
83	4.60517	-0.696684	154.067	-190.652
84	4.60517	-0.687131	154.539	-193.816
85	4.60517	-0.677639	154.998	-196.937
86	4.60517	-0.668209	155.445	-200.014
87	4.60517	-0.658838	155.879	-203.048
88	4.60517	-0.649522	156.301	-206.04
89	4.70048	-0.643345	156.715	-209.064
90	4.77912	-0.634124	157.117	-212.094
91	4.94164	-0.624956	157.507	-215.182
92	4.96284	-0.615839	157.886	-218.239
93	5.03044	-0.606775	158.255	-221.291
94	5.24702	-0.597761	158.612	-224.428
95	5.26786	-0.588793	158.959	-227.529
96	5.29832	-0.579873	159.295	-230.602
97	5.29832	-0.570999	159.621	-233.627
98	5.29832	-0.56217	159.937	-236.605
99	5.29832	-0.553384	160.243	-239.537
100	5.29832	-0.544642	160.54	-242.423
101	5.29832	-0.53594	160.827	-245.263
102	5.29832	-0.52728	161.105	-248.056
103	5.29832	-0.518658	161.374	-250.804
104	5.29832	-0.51293	161.637	-253.522

105	5.29832	-0.504372	161.892	-256.194
106	5.29832	-0.49585	162.137	-258.822
107	5.29832	-0.487364	162.375	-261.404
108	5.29832	-0.478914	162.604	-263.941
109	5.29832	-0.470498	162.826	-266.434
110	5.29832	-0.462114	163.039	-268.883
111	5.29832	-0.453763	163.245	-271.287
112	5.29832	-0.445443	163.444	-273.647
113	5.29832	-0.437153	163.635	-275.963
114	5.29832	-0.428895	163.819	-278.235
115	5.29832	-0.420664	163.996	-280.464
116	5.29832	-0.412463	164.166	-282.65
117	5.29832	-0.40429	164.329	-284.792
118	5.29832	-0.396142	164.486	-286.89
119	5.29832	-0.390726	164.639	-288.961
120	5.29832	-0.382622	164.785	-290.988
121	5.29832	-0.374544	164.925	-292.972
122	5.29832	-0.36649	165.06	-294.914
123	5.29832	-0.358459	165.188	-296.813
124	5.29832	-0.350451	165.311	-298.67
125	5.29832	-0.342466	165.428	-300.485
126	5.29832	-0.334503	165.54	-302.257
127	5.29832	-0.326561	165.647	-303.987
128	5.29832	-0.318639	165.748	-305.675
129	5.29832	-0.310738	165.845	-307.322
130	5.29832	-0.302855	165.937	-308.926
131	5.29832	-0.294992	166.024	-310.489
132	5.29832	-0.287147	166.106	-312.011
133	5.29832	-0.279319	166.184	-313.491
134	5.29832	-0.27411	166.259	-314.943
135	5.29832	-0.266311	166.33	-316.354
136	5.29832	-0.258527	166.397	-317.724
137	5.29832	-0.250759	166.46	-319.052
138	5.29832	-0.243007	166.519	-320.34
139	5.29832	-0.235269	166.574	-321.587
140	5.29832	-0.227545	166.626	-322.792
141	5.29832	-0.219834	166.674	-323.957
142	5.29832	-0.212137	166.719	-325.081
143	5.29832	-0.204452	166.761	-326.164
144	5.29832	-0.196779	166.8	-327.207
145	5.29832	-0.189118	166.836	-328.209
146	5.29832	-0.181468	166.869	-329.17
147	5.29832	-0.173829	166.899	-330.091
148	5.29832	-0.166199	166.927	-330.972
149	5.29832	-0.161119	166.952	-331.825
150	5.29832	-0.153505	166.976	-332.639
151	5.29832	-0.1459	166.997	-333.412
152	5.29832	-0.138305	167.016	-334.145
153	5.29832	-0.130716	167.034	-334.837
154	5.29832	-0.123135	167.049	-335.49
155	5.29832	-0.115562	167.062	-336.102
156	5.29832	-0.107995	167.074	-336.674
157	5.29832	-0.100433	167.084	-337.206
158	5.29832	-0.0928787	167.092	-337.698
159	5.29832	-0.0853288	167.1	-338.15
160	5.29832	-0.0777834	167.106	-338.562
161	5.34711	-0.0702426	167.111	-338.938

162	5.56068	-0.0627062	167.115	-339.287
163	5.66988	-0.0551734	167.118	-339.6
164	5.85793	-0.0501541	167.12	-339.893
165	5.8861	-0.0426257	167.122	-340.144
166	6.13123	-0.0350997	167.123	-340.359
167	6.36303	-0.0275759	167.124	-340.535
168	6.50728	-0.0200544	167.124	-340.665
169	6.90776	-0.0125328	167.125	-340.752
170	6.90776	-0.00501359	167.125	-340.787
171	6.90776	0.00501359	167.125	-340.752
172	6.90776	0.0125328	167.125	-340.665
173	6.90776	0.0200544	167.125	-340.527
174	6.90776	0.0275759	167.126	-340.336
175	6.90776	0.0350997	167.127	-340.094
176	6.90776	0.0426257	167.129	-339.799
177	6.90776	0.0501541	167.131	-339.453
178	6.90776	0.0551734	167.135	-339.072
179	6.90776	0.0627062	167.138	-338.639
180	6.90776	0.0702426	167.143	-338.154
181	6.90776	0.0777834	167.149	-337.616
182	6.90776	0.0853288	167.157	-337.027
183	6.90776	0.0928787	167.165	-336.385
184	6.90776	0.100433	167.175	-335.691
185	6.90776	0.107995	167.187	-334.945
186	6.90776	0.115562	167.2	-334.147
187	6.90776	0.123135	167.216	-333.297
188	6.90776	0.130716	167.233	-332.394
189	6.90776	0.138305	167.252	-331.438
190	6.90776	0.1459	167.273	-330.43
191	6.90776	0.153505	167.297	-329.37
192	6.90776	0.161119	167.323	-328.257
193	6.90776	0.166199	167.35	-327.109
194	6.90776	0.173829	167.38	-325.908
195	6.90776	0.181468	167.413	-324.655
196	6.90776	0.189118	167.449	-323.348
197	6.90776	0.196779	167.488	-321.989
198	6.90776	0.204452	167.53	-320.577
199	6.90776	0.212137	167.575	-319.111
200	6.90776	0.219834	167.623	-317.593
201	6.90776	0.227545	167.675	-316.021
202	6.90776	0.235269	167.73	-314.396
203	6.90776	0.243007	167.789	-312.717
204	6.90776	0.250759	167.852	-310.985
205	6.90776	0.258527	167.919	-309.199
206	6.90776	0.266311	167.99	-307.359
207	6.90776	0.27411	168.065	-305.466
208	6.90776	0.279319	168.143	-303.537
209	6.90776	0.287147	168.225	-301.553
210	6.90776	0.294992	168.312	-299.515
211	6.90776	0.302855	168.404	-297.423
212	6.90776	0.310738	168.501	-295.277
213	6.90776	0.318639	168.602	-293.076
214	6.90776	0.326561	168.709	-290.82
215	6.90776	0.334503	168.821	-288.509
216	6.90776	0.342466	168.938	-286.143
217	6.90776	0.350451	169.061	-283.723
218	6.90776	0.358459	169.189	-281.246

219	6.90776	0.36649	169.324	-278.715
220	6.90776	0.374544	169.464	-276.128
221	6.90776	0.382622	169.61	-273.485
222	6.90776	0.390726	169.763	-270.786
223	6.90776	0.396142	169.92	-268.049
224	6.90776	0.40429	170.083	-265.256
225	6.90776	0.412463	170.254	-262.407
226	6.90776	0.420664	170.431	-259.501
227	6.90776	0.428895	170.614	-256.539
228	6.90776	0.437153	170.806	-253.519
229	6.90776	0.445443	171.004	-250.442
230	6.90776	0.453763	171.21	-247.307
231	6.90776	0.462114	171.423	-244.115
232	6.90776	0.470498	171.645	-240.865
233	6.90776	0.478914	171.874	-237.557
234	6.90776	0.487364	172.112	-234.19
235	6.90776	0.49585	172.358	-230.765
236	6.90776	0.504372	172.612	-227.281
237	6.90776	0.51293	172.875	-223.738
238	6.90776	0.518658	173.144	-220.155
239	6.90776	0.52728	173.422	-216.513
240	6.90776	0.53594	173.709	-212.811
241	6.90776	0.544642	174.006	-209.048
242	6.90776	0.553384	174.312	-205.226
243	6.90776	0.56217	174.628	-201.342
244	6.90776	0.570999	174.954	-197.398
245	6.90776	0.579873	175.291	-193.392
246	6.90776	0.588793	175.637	-189.325
247	6.90776	0.597761	175.995	-185.196
248	6.90776	0.606775	176.363	-181.005
249	6.90776	0.615839	176.742	-176.75
250	6.90776	0.624956	177.133	-172.433
251	6.90776	0.634124	177.535	-168.053
252	6.90776	0.643345	177.949	-163.609
253	6.90776	0.649522	178.37	-159.122
254	6.90776	0.658838	178.804	-154.571
255	6.90776	0.668209	179.251	-149.955
256	6.90776	0.677639	179.71	-145.274
257	6.90776	0.687131	180.182	-140.528
258	6.90776	0.696684	180.668	-135.715
259	6.90776	0.706302	181.167	-130.836
260	6.90776	0.715986	181.679	-125.89
261	6.90776	0.725736	182.206	-120.877
262	6.90776	0.735557	182.747	-115.796
263	6.90776	0.745449	183.303	-110.647
264	6.90776	0.755415	183.873	-105.429
265	6.90776	0.765456	184.459	-100.141
266	6.90776	0.775574	185.061	-94.7836
267	6.90776	0.782366	185.673	-89.3792
268	6.90776	0.792618	186.301	-83.904
269	6.90776	0.802956	186.946	-78.3573
270	6.90776	0.813379	187.607	-72.7387
271	6.90776	0.823893	188.286	-67.0475
272	6.90776	0.834498	188.983	-61.283
273	6.90776	0.845198	189.697	-55.4445
274	6.90776	0.855996	190.43	-49.5315
275	6.90776	0.866894	191.181	-43.5432

276	6.90776	0.877897	191.952	-37.4789
277	6.90776	0.889006	192.742	-31.3379
278	6.90776	0.900227	193.553	-25.1194
279	6.90776	0.911562	194.384	-18.8225
280	6.90776	0.923014	195.236	-12.4466
281	6.90776	0.93459	196.109	-5.99064
282	6.90776	0.942375	196.997	0.519059
283	6.90776	0.954165	197.907	7.11019
284	6.90776	0.966088	198.841	13.7837
285	6.90776	0.97815	199.798	20.5405
286	6.90776	0.990356	200.778	27.3816
287	6.90776	1.00271	201.784	34.3081
288	6.90776	1.01522	202.814	41.321
289	6.90776	1.02789	203.871	48.4215
290	6.90776	1.04073	204.954	55.6106
291	6.90776	1.05375	206.065	62.8896
292	6.90776	1.06694	207.203	70.2597
293	6.90776	1.08032	208.37	77.7223
294	6.90776	1.0939	209.567	85.2787
295	6.90776	1.10768	210.794	92.9303
296	6.90776	1.12168	212.052	100.679
297	6.90776	1.13113	213.331	108.492
298	6.90776	1.1455	214.643	116.405
299	6.90776	1.16012	215.989	124.419
300	6.90776	1.17499	217.37	132.535
301	6.90776	1.19012	218.786	140.756
302	6.90776	1.20553	220.24	149.084
303	6.90776	1.22123	221.731	157.52
304	6.90776	1.23724	223.262	166.066
305	6.90776	1.25357	224.833	174.726
306	6.90776	1.27024	226.447	183.5
307	6.90776	1.28727	228.104	192.392
308	6.90776	1.30469	229.806	201.405
309	6.90776	1.32251	231.555	210.54
310	6.90776	1.34075	233.353	219.802
311	6.90776	1.35946	235.201	229.193
312	6.90776	1.3722	237.084	238.672
313	6.90776	1.39175	239.021	248.285
314	6.90776	1.41183	241.014	258.038
315	6.90776	1.4325	243.066	267.933
316	6.90776	1.4538	245.179	277.976
317	6.90776	1.47579	247.357	288.17
318	6.90776	1.49852	249.603	298.522
319	6.90776	1.52203	251.92	309.036
320	6.90776	1.54643	254.311	319.718
321	6.90776	1.57179	256.782	330.575
322	6.90776	1.59819	259.336	341.615
323	6.90776	1.62576	261.979	352.846
324	6.90776	1.65463	264.717	364.276
325	6.90776	1.68494	267.556	375.915
326	6.90776	1.71688	270.503	387.774
327	6.90776	1.7392	273.528	399.788
328	6.90776	1.77438	276.677	412.045
329	6.90776	1.81191	279.96	424.562
330	6.90776	1.85218	283.39	437.356
331	6.90776	1.8957	286.984	450.451
332	6.90776	1.94314	290.76	463.874

333	6.90776	1.99539	294.741	477.657
334	6.90776	2.05375	298.959	491.844
335	6.90776	2.12007	303.454	506.489
336	6.98472	2.19728	308.282	521.837
337	7.12287	2.29036	313.528	538.151
338	7.59589	2.40892	319.33	556.448
339	7.9047	2.57583	325.965	576.81
340	8.16905	2.87815	334.249	600.321

Data Set Standard Deviation = 2.1117
Numerator = 360386
Denominator = 505281
W Statistic = 0.713239 = 360386 / 505281

5% Critical value of 0.976 exceeds 0.713239
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.713239
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Ammonia-N, Low Level

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<6.90776	160
	5/14/1996	ND<6.90776	160
	5/14/1996	ND<6.90776	160
	5/15/1996	ND<6.90776	160
	5/15/1996	ND<6.90776	160
	5/15/1996	ND<6.90776	160
	5/16/1996	ND<6.90776	160
	5/16/1996	ND<6.90776	160
	5/16/1996	ND<6.90776	160
	5/17/1996	ND<6.90776	160
	5/17/1996	ND<6.90776	160
	5/17/1996	ND<6.90776	160
	11/5/1996	ND<6.90776	160
	11/5/1996	ND<6.90776	160
	11/5/1996	ND<6.90776	160
	4/15/1997	ND<6.90776	160
	4/15/1997	ND<6.90776	160
	4/15/1997	ND<6.90776	160
	10/31/1997	ND<6.90776	160
	10/31/1997	ND<6.90776	160
	10/31/1997	ND<6.90776	160
	6/24/1998	ND<6.90776	160
	6/24/1998	ND<6.90776	160
	6/24/1998	ND<6.90776	160
	12/10/1998	ND<6.90776	160
	12/10/1998	ND<6.90776	160
	12/10/1998	ND<6.90776	160
	5/25/1999	ND<6.90776	160
	5/25/1999	ND<6.90776	160
	5/25/1999	ND<6.90776	160
	11/19/1999	ND<6.90776	160
	11/19/1999	ND<6.90776	160
	11/19/1999	ND<6.90776	160
	5/23/2000	ND<6.90776	160
	5/23/2000	ND<6.90776	160
	5/23/2000	ND<6.90776	160
	12/14/2000	ND<6.90776	160
	12/14/2000	ND<6.90776	160
	12/14/2000	ND<6.90776	160
	6/6/2001	ND<6.90776	160
	6/6/2001	ND<6.90776	160
	6/6/2001	ND<6.90776	160
	11/15/2001	ND<6.90776	160
	11/15/2001	ND<6.90776	160
	11/15/2001	ND<6.90776	160
	6/12/2002	ND<6.90776	160

6/12/2002	ND<6.90776	160
6/12/2002	ND<6.90776	160
11/5/2002	ND<6.90776	160
11/5/2002	ND<6.90776	160
11/5/2002	ND<6.90776	160
6/17/2003	ND<6.90776	160
6/17/2003	ND<6.90776	160
6/17/2003	ND<6.90776	160
12/5/2003	ND<6.90776	160
12/5/2003	ND<6.90776	160
12/5/2003	ND<6.90776	160
6/22/2004	ND<6.90776	160
6/22/2004	ND<6.90776	160
6/22/2004	ND<6.90776	160
10/20/2004	ND<5.29832	160
10/20/2004	ND<6.90776	160
10/20/2004	ND<6.90776	160
10/20/2004	ND<6.90776	160
6/15/2005	ND<-1.60944	160
11/1/2005	ND<-1.60944	160
3/17/2006	ND<-1.60944	160
9/11/2006	ND<-1.60944	160
2/21/2007	ND<-1.60944	160
8/14/2007	ND<-1.60944	160
2/7/2008	ND<5.29832	160
8/4/2008	ND<5.29832	160
2/19/2009	ND<5.29832	160
8/20/2009	ND<5.29832	160
1/21/2010	ND<5.29832	160
9/7/2010	ND<5.29832	160
1/7/2011	ND<5.29832	160
8/1/2011	ND<5.29832	160
2/24/2012	ND<5.29832	160
8/22/2012	ND<5.29832	160
1/10/2013	ND<5.29832	160
8/28/2013	ND<5.29832	160
2/4/2014	ND<5.29832	160
8/7/2014	ND<5.29832	160
2/11/2015	ND<5.29832	160
8/20/2015	ND<5.29832	160
2/17/2016	ND<5.29832	160
2/17/2016	ND<5.29832	160
8/3/2016	ND<5.29832	160
1/12/2017	ND<5.29832	160
7/20/2017	ND<5.29832	160
1/23/2018	ND<6.90776 U	160
7/12/2018	5.03044	325
2/13/2019	4.70048	321
8/16/2019	ND<4.60517	160
3/17/2020	ND<4.60517	160
8/25/2020	ND<3.91202 J	160
3/16/2021	8.16905	340
7/26/2021	5.85793	331
3/2/2022	7.59589	338
9/21/2022	ND<4.38203 J	160
3/9/2023	ND<3.68888 J	160
7/19/2023	5.8861	332

	1/23/2024	ND<3.91202 J	160
	8/26/2024	ND<2.30259 J	160
	2/3/2025	ND<3.4012 J	160
	7/22/2025	6.50728	335
	1/6/2026	ND<4.60517	160
Rank Sum = 18482			
Rank Mean = 171.13			
M-17S	5/15/1996	ND<6.90776	160
	5/15/1996	ND<6.90776	160
	5/15/1996	ND<6.90776	160
	11/5/1996	ND<6.90776	160
	11/5/1996	ND<6.90776	160
	11/5/1996	ND<6.90776	160
	4/15/1997	ND<6.90776	160
	4/15/1997	ND<6.90776	160
	4/15/1997	ND<6.90776	160
	10/30/1997	ND<6.90776	160
	10/30/1997	ND<6.90776	160
	10/30/1997	ND<6.90776	160
	6/23/1998	ND<6.90776	160
	6/23/1998	ND<6.90776	160
	6/23/1998	ND<6.90776	160
	12/9/1998	ND<6.90776	160
	12/9/1998	ND<6.90776	160
	12/9/1998	ND<6.90776	160
	5/25/1999	ND<6.90776	160
	5/25/1999	ND<6.90776	160
	5/25/1999	ND<6.90776	160
	11/16/1999	ND<6.90776	160
	11/16/1999	ND<6.90776	160
	11/16/1999	ND<6.90776	160
	5/19/2000	ND<6.90776	160
	5/19/2000	ND<6.90776	160
	5/19/2000	ND<6.90776	160
	12/12/2000	ND<6.90776	160
	12/12/2000	ND<6.90776	160
	12/12/2000	ND<6.90776	160
	6/5/2001	ND<6.90776	160
	6/5/2001	ND<6.90776	160
	6/5/2001	ND<6.90776	160
	11/15/2001	ND<6.90776	160
	11/15/2001	ND<6.90776	160
	11/15/2001	ND<6.90776	160
	6/13/2002	ND<6.90776	160
	6/13/2002	ND<6.90776	160
	6/13/2002	ND<6.90776	160
	11/7/2002	ND<6.90776	160
	11/7/2002	ND<6.90776	160
	11/7/2002	ND<6.90776	160
	6/17/2003	ND<6.90776	160
	6/17/2003	ND<6.90776	160
	6/17/2003	ND<6.90776	160
	12/4/2003	ND<6.90776	160
	12/4/2003	ND<6.90776	160
	12/4/2003	ND<6.90776	160
	6/22/2004	ND<6.90776	160
	6/22/2004	ND<6.90776	160

	6/22/2004	ND<6.90776	160
	10/19/2004	ND<5.29832	160
	10/19/2004	ND<6.90776	160
	10/19/2004	ND<6.90776	160
	10/19/2004	ND<6.90776	160
	6/15/2005	ND<-1.60944	160
	11/1/2005	ND<-1.60944	160
	3/16/2006	ND<-1.60944	160
	9/12/2006	ND<-1.60944	160
	2/20/2007	ND<-1.60944	160
	8/13/2007	ND<-1.60944	160
	2/6/2008	ND<5.29832	160
	8/6/2008	5.66988	330
	2/18/2009	ND<5.29832	160
	8/19/2009	ND<5.29832	160
	1/22/2010	ND<5.29832	160
	9/8/2010	ND<5.29832	160
	1/7/2011	ND<5.29832	160
	8/1/2011	ND<5.29832	160
	2/21/2012	ND<5.29832	160
	8/22/2012	ND<5.29832	160
	1/11/2013	ND<5.29832	160
	8/28/2013	ND<5.29832	160
	2/6/2014	ND<5.29832	160
	8/6/2014	ND<5.29832	160
	2/12/2015	ND<5.29832	160
	8/20/2015	ND<5.29832	160
	2/17/2016	ND<5.29832	160
	2/17/2016	ND<5.29832	160
	8/4/2016	ND<5.29832	160
	1/12/2017	ND<5.29832	160
	7/19/2017	ND<5.29832	160
	1/23/2018	ND<3.66356 J	160
	7/11/2018	4.96284	324
	2/13/2019	ND<4.60517	160
	8/13/2019	ND<4.60517	160
	3/17/2020	ND<4.60517	160
	8/27/2020	ND<3.4012 J	160
	3/15/2021	ND<4.60517	160
	7/27/2021	ND<3.4012 J	160
	3/3/2022	ND<3.4012 J	160
	9/21/2022	ND<2.30259 J	160
	3/9/2023	ND<4.60517	160
	7/24/2023	ND<4.60517	160
	1/23/2024	ND<4.09434 J	160
	8/26/2024	ND<2.99573 J	160
	2/3/2025	ND<2.99573 J	160
	7/21/2025	ND<2.30259 J	160
	1/6/2026	ND<4.60517	160
Rank Sum = 16174			
Rank Mean = 163.374			
M-23	12/8/1998	ND<6.90776	160
	12/8/1998	ND<6.90776	160
	12/8/1998	ND<6.90776	160
	12/9/1998	ND<6.90776	160
	12/9/1998	ND<6.90776	160
	12/9/1998	ND<6.90776	160

12/10/1998	ND<6.90776	160
12/10/1998	ND<6.90776	160
12/10/1998	ND<6.90776	160
12/11/1998	ND<6.90776	160
12/11/1998	ND<6.90776	160
12/11/1998	ND<6.90776	160
5/27/1999	ND<6.90776	160
5/27/1999	ND<6.90776	160
5/27/1999	ND<6.90776	160
5/23/2000	ND<6.90776	160
5/23/2000	ND<6.90776	160
5/23/2000	ND<6.90776	160
11/17/2000	ND<6.90776	160
11/17/2000	ND<6.90776	160
11/17/2000	ND<6.90776	160
12/13/2000	ND<6.90776	160
12/13/2000	ND<6.90776	160
12/13/2000	ND<6.90776	160
6/8/2001	ND<6.90776	160
6/8/2001	ND<6.90776	160
6/8/2001	ND<6.90776	160
11/14/2001	ND<6.90776	160
11/14/2001	ND<6.90776	160
11/14/2001	ND<6.90776	160
6/14/2002	ND<6.90776	160
6/14/2002	ND<6.90776	160
6/14/2002	ND<6.90776	160
11/5/2002	ND<6.90776	160
11/5/2002	ND<6.90776	160
11/5/2002	ND<6.90776	160
6/17/2003	ND<6.90776	160
6/17/2003	ND<6.90776	160
6/17/2003	ND<6.90776	160
12/5/2003	ND<6.90776	160
12/5/2003	ND<6.90776	160
12/5/2003	ND<6.90776	160
6/25/2004	ND<6.90776	160
6/25/2004	ND<6.90776	160
6/25/2004	ND<6.90776	160
10/19/2004	ND<5.29832	160
10/19/2004	ND<6.90776	160
10/19/2004	ND<6.90776	160
10/19/2004	ND<6.90776	160
6/15/2005	ND<-1.60944	160
11/2/2005	ND<-1.60944	160
3/16/2006	ND<-1.60944	160
9/12/2006	ND<-1.60944	160
2/22/2007	ND<-1.60944	160
8/15/2007	ND<-1.60944	160
2/6/2008	ND<5.29832	160
8/4/2008	ND<5.29832	160
2/18/2009	ND<5.29832	160
8/19/2009	ND<5.29832	160
1/21/2010	ND<5.29832	160
9/7/2010	ND<5.29832	160
1/7/2011	ND<5.29832	160
8/1/2011	ND<5.29832	160

	2/21/2012	ND<5.29832	160
	8/22/2012	ND<5.29832	160
	1/11/2013	ND<5.29832	160
	8/29/2013	ND<5.29832	160
	2/6/2014	ND<5.29832	160
	8/6/2014	ND<5.29832	160
	2/10/2015	ND<5.29832	160
	8/18/2015	ND<5.29832	160
	2/17/2016	ND<5.29832	160
	2/17/2016	ND<5.29832	160
	8/3/2016	ND<5.29832	160
	1/12/2017	ND<5.29832	160
	7/19/2017	ND<5.29832	160
	1/23/2018	ND<6.90776 U	160
	7/11/2018	5.26786	327
	2/13/2019	4.77912	322
	8/16/2019	ND<4.60517	160
	3/17/2020	ND<4.60517	160
	8/25/2020	ND<2.99573 J	160
	3/16/2021	ND<4.09434 J	160
	7/26/2021	ND<3.4012 J	160
	3/2/2022	ND<3.68888 J	160
	9/21/2022	ND<2.30259 J	160
	3/9/2023	ND<4.60517	160
	7/24/2023	ND<4.60517	160
	1/23/2024	ND<4.09434 J	160
	8/26/2024	ND<2.30259 J	160
	2/3/2025	ND<2.99573 J	160
	7/21/2025	ND<4.60517	160
	1/6/2026	ND<4.60517	160

Rank Sum = 15209
Rank Mean = 163.538

Background Rank Sum = 49865
Background Rank Mean = 166.217

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<3.68888 J	160
	8/27/2024	5.56068	329
	2/7/2025	ND<4.60517	160
	7/23/2025	7.9047	339
	1/7/2026	ND<4.60517	160

Rank Sum = 1148
Rank Mean = 229.6

M-24D	1/24/2024	ND<3.68888 J	160
	8/29/2024	ND<4.38203 J	160
	2/5/2025	ND<3.4012 J	160
	7/24/2025	7.12287	337
	1/8/2026	4.60517	320

Rank Sum = 1137
Rank Mean = 227.4

M-7	1/24/2024	ND<3.68888 J	160
	8/28/2024	ND<3.4012 J	160

	2/4/2025	ND<2.99573 J	160
	7/21/2025	ND<2.30259 J	160
	1/5/2026	ND<4.60517	160

Rank Sum = 800
Rank Mean = 160

M-8	1/24/2024	ND<2.30259 J	160
	8/27/2024	6.36303	334
	2/5/2025	6.13123	333
	7/24/2025	5.24702	326
	1/8/2026	ND<4.60517	160

Rank Sum = 1313
Rank Mean = 262.6

M-18	1/25/2024	ND<2.99573 J	160
	8/28/2024	ND<4.09434 J	160
	2/5/2025	ND<2.99573 J	160
	7/22/2025	5.34711	328
	1/7/2026	ND<4.60517	160

Rank Sum = 968
Rank Mean = 193.6

M-9S	1/25/2024	ND<3.68888 J	160
	8/28/2024	ND<3.91202 J	160
	2/5/2025	ND<2.99573 J	160
	7/22/2025	ND<3.4012 J	160
	1/8/2026	ND<4.60517	160

Rank Sum = 800
Rank Mean = 160

M-21	1/22/2024	ND<3.68888 J	160
	8/27/2024	ND<4.09434 J	160
	2/4/2025	ND<2.99573 J	160
	7/21/2025	6.98472	336
	1/7/2026	ND<4.60517	160

Rank Sum = 976
Rank Mean = 195.2

M-19	1/22/2024	ND<3.4012 J	160
	8/29/2024	ND<4.09434 J	160
	2/3/2025	ND<2.99573 J	160
	7/23/2025	4.94164	323
	1/6/2026	ND<4.60517	160

Rank Sum = 963
Rank Mean = 192.6

Calculation Results:

Kruskal-Wallis H Statistic = 9.4012
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 54.0032
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
9.4012 < 15.5073 indicating no significant group difference at 5% significance level
54.0032 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

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Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634

Mean background rank is 166.217

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	229.6	63.3833	103.111
M-24D	227.4	61.1833	103.111
M-7	160	-6.21667	103.111
M-8	262.6	96.3833	103.111
M-18	193.6	27.3833	103.111
M-9S	160	-6.21667	103.111
M-21	195.2	28.9833	103.111
M-19	192.6	26.3833	103.111

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 166.217

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	229.6	63.3833	111.346
M-24D	227.4	61.1833	111.346
M-7	160	-6.21667	111.346
M-8	262.6	96.3833	111.346
M-18	193.6	27.3833	111.346
M-9S	160	-6.21667	111.346
M-21	195.2	28.9833	111.346
M-19	192.6	26.3833	111.346

Shapiro-Francia Test of Normality

Parameter: Chloride

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 227

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	7.40245	-2.65209	7.03356	-19.6319
2	7.6009	-2.40892	12.8365	-37.9419
3	7.6353	-2.22621	17.7925	-54.9397
4	7.69166	-2.12007	22.2872	-71.2465
5	7.74066	-2.03352	26.4224	-86.9873
6	7.80792	-1.94314	30.1981	-102.159
7	7.80792	-1.88079	33.7355	-116.844
8	7.81319	-1.81191	37.0185	-131.001
9	7.93021	-1.76241	40.1246	-144.977
10	7.9338	-1.71688	43.0723	-158.599
11	7.97247	-1.66456	45.8431	-171.869
12	7.97934	-1.62576	48.4862	-184.842
13	7.98616	-1.58047	50.9841	-197.464
14	7.98616	-1.54643	53.3755	-209.814
15	8.43381	-1.5141	55.668	-222.584
16	8.54091	-1.47579	57.846	-235.188
17	8.56025	-1.44663	59.9387	-247.572
18	8.6125	-1.41865	61.9513	-259.79
19	8.65869	-1.38517	63.87	-271.784
20	8.86362	-1.35946	65.7182	-283.833
21	8.86785	-1.32854	67.4832	-295.615
22	8.90517	-1.30469	69.1854	-307.233
23	8.9359	-1.28155	70.8278	-318.685
24	8.97462	-1.25357	72.3992	-329.935
25	8.9872	-1.23187	73.9167	-341.006
26	9.09381	-1.20553	75.37	-351.969
27	9.23014	-1.18504	76.7743	-362.907
28	9.3147	-1.16505	78.1316	-373.759
29	9.53242	-1.14069	79.4328	-384.633
30	9.53964	-1.12168	80.691	-395.333
31	9.62905	-1.10306	81.9077	-405.955
32	9.6486	-1.08032	83.0748	-416.378
33	9.69277	-1.06252	84.2037	-426.677
34	9.72316	-1.04073	85.2869	-436.796
35	9.77565	-1.02365	86.3347	-446.803
36	9.78695	-1.00687	87.3485	-456.657
37	9.83092	-0.986272	88.3212	-466.353
38	9.83628	-0.970094	89.2623	-475.895
39	9.88837	-0.950222	90.1652	-485.291
40	9.95703	-0.93459	91.0387	-494.597
41	9.97115	-0.919183	91.8836	-503.762
42	10.0078	-0.900227	92.694	-512.772
43	10.0213	-0.885291	93.4778	-521.643
44	10.0858	-0.87055	94.2356	-530.424
45	10.09	-0.852385	94.9622	-539.024
46	10.09	-0.838054	95.6645	-547.48
47	10.1105	-0.820379	96.3375	-555.775

48	10.1464	-0.806422	96.9878	-563.957
49	10.162	-0.792618	97.6161	-572.011
50	10.1849	-0.775574	98.2176	-579.911
51	10.2471	-0.7621	98.7984	-587.72
52	10.2716	-0.745449	99.3541	-595.377
53	10.3056	-0.732275	99.8903	-602.923
54	10.3056	-0.719228	100.408	-610.335
55	10.3514	-0.703089	100.902	-617.613
56	10.3546	-0.690309	101.378	-624.761
57	10.3672	-0.67449	101.833	-631.754
58	10.3766	-0.661955	102.272	-638.623
59	10.3797	-0.649522	102.693	-645.365
60	10.4429	-0.634124	103.096	-651.987
61	10.4545	-0.621911	103.482	-658.488
62	10.4688	-0.609791	103.854	-664.872
63	10.4688	-0.594766	104.208	-671.099
64	10.4745	-0.582841	104.548	-677.204
65	10.4801	-0.568052	104.87	-683.157
66	10.4996	-0.556308	105.18	-688.998
67	10.5078	-0.544642	105.476	-694.721
68	10.5078	-0.530162	105.758	-700.292
69	10.5241	-0.518658	106.027	-705.75
70	10.5713	-0.504372	106.281	-711.082
71	10.5966	-0.493018	106.524	-716.306
72	10.6713	-0.481728	106.756	-721.447
73	10.7255	-0.467699	106.975	-726.463
74	10.7748	-0.456542	107.183	-731.382
75	10.7873	-0.445443	107.382	-736.188
76	10.8036	-0.431644	107.568	-740.851
77	10.8198	-0.420664	107.745	-745.402
78	10.8648	-0.40701	107.911	-749.824
79	10.8686	-0.396142	108.067	-754.13
80	10.8686	-0.385321	108.216	-758.318
81	10.8818	-0.371856	108.354	-762.364
82	10.9004	-0.361133	108.485	-766.301
83	10.9241	-0.347787	108.606	-770.1
84	10.9259	-0.337155	108.719	-773.784
85	10.9277	-0.326561	108.826	-777.352
86	10.9331	-0.31337	108.924	-780.778
87	10.9455	-0.302855	109.016	-784.093
88	10.9561	-0.292375	109.101	-787.297
89	10.9802	-0.279319	109.179	-790.364
90	10.987	-0.268908	109.252	-793.318
91	10.9887	-0.255936	109.317	-796.131
92	10.9887	-0.24559	109.377	-798.829
93	10.9954	-0.235269	109.433	-801.416
94	10.9988	-0.222403	109.482	-803.862
95	11.017	-0.212137	109.527	-806.199
96	11.017	-0.199336	109.567	-808.395
97	11.0477	-0.189118	109.603	-810.485
98	11.0588	-0.17892	109.635	-812.463
99	11.0619	-0.166199	109.662	-814.302
100	11.0744	-0.156042	109.687	-816.03
101	11.076	-0.1459	109.708	-817.646
102	11.0791	-0.133244	109.726	-819.122
103	11.0883	-0.123135	109.741	-820.488
104	11.0883	-0.110516	109.753	-821.713

105	11.0913	-0.100433	109.763	-822.827
106	11.1534	-0.0903606	109.771	-823.835
107	11.169	-0.0777834	109.778	-824.704
108	11.2437	-0.0677301	109.782	-825.465
109	11.281	-0.0551734	109.785	-826.087
110	11.3096	-0.0451348	109.787	-826.598
111	11.3386	-0.0350997	109.788	-826.996
112	11.3421	-0.0225612	109.789	-827.252
113	11.3691	-0.0125328	109.789	-827.394
114	11.3702	0	109.789	-827.394
115	11.3748	0.0125328	109.789	-827.252
116	11.3794	0.0225612	109.79	-826.995
117	11.3805	0.0350997	109.791	-826.596
118	11.3919	0.0451348	109.793	-826.081
119	11.4142	0.0551734	109.796	-825.452
120	11.4252	0.0677301	109.801	-824.678
121	11.4252	0.0777834	109.807	-823.789
122	11.435	0.0903606	109.815	-822.756
123	11.4721	0.100433	109.825	-821.604
124	11.4731	0.110516	109.837	-820.336
125	11.4866	0.123135	109.852	-818.921
126	11.4876	0.133244	109.87	-817.391
127	11.5119	0.1459	109.891	-815.711
128	11.5425	0.156042	109.916	-813.91
129	11.5425	0.166199	109.943	-811.992
130	11.5712	0.17892	109.975	-809.921
131	11.5806	0.189118	110.011	-807.731
132	11.644	0.199336	110.051	-805.41
133	11.6699	0.212137	110.096	-802.934
134	11.6699	0.222403	110.145	-800.339
135	11.6784	0.235269	110.201	-797.591
136	11.7035	0.24559	110.261	-794.717
137	11.7519	0.255936	110.326	-791.709
138	11.7598	0.268908	110.399	-788.547
139	11.7753	0.279319	110.477	-785.258
140	11.8277	0.292375	110.562	-781.8
141	11.8422	0.302855	110.654	-778.213
142	12.0377	0.31337	110.752	-774.441
143	12.0668	0.326561	110.859	-770.501
144	12.0725	0.337155	110.973	-766.43
145	12.0895	0.347787	111.093	-762.226
146	12.1172	0.361133	111.224	-757.85
147	12.1548	0.371856	111.362	-753.33
148	12.1548	0.385321	111.511	-748.646
149	12.1653	0.396142	111.668	-743.827
150	12.1653	0.40701	111.833	-738.876
151	12.1756	0.420664	112.01	-733.754
152	12.191	0.431644	112.197	-728.492
153	12.196	0.445443	112.395	-723.059
154	12.2111	0.456542	112.603	-717.484
155	12.2405	0.467699	112.822	-711.76
156	12.2405	0.481728	113.054	-705.863
157	12.2877	0.493018	113.297	-699.805
158	12.3014	0.504372	113.552	-693.6
159	12.3059	0.518658	113.821	-687.218
160	12.3059	0.530162	114.102	-680.694
161	12.3327	0.544642	114.398	-673.977

162	12.3502	0.556308	114.708	-667.106
163	12.3631	0.568052	115.031	-660.084
164	12.3673	0.582841	115.37	-652.875
165	12.4049	0.594766	115.724	-645.497
166	12.4049	0.609791	116.096	-637.933
167	12.4171	0.621911	116.483	-630.211
168	12.4212	0.634124	116.885	-622.334
169	12.4332	0.649522	117.307	-614.258
170	12.4411	0.661955	117.745	-606.023
171	12.4529	0.67449	118.2	-597.623
172	12.4684	0.690309	118.676	-589.016
173	12.4761	0.703089	119.171	-580.245
174	12.4875	0.719228	119.688	-571.263
175	12.4987	0.732275	120.224	-562.111
176	12.5318	0.745449	120.78	-552.769
177	12.539	0.7621	121.361	-543.213
178	12.539	0.775574	121.962	-533.488
179	12.5461	0.792618	122.59	-523.544
180	12.5602	0.806422	123.241	-513.415
181	12.5672	0.820379	123.914	-503.105
182	12.6082	0.838054	124.616	-492.539
183	12.6149	0.852385	125.343	-481.786
184	12.6149	0.87055	126.1	-470.804
185	12.6379	0.885291	126.884	-459.616
186	12.6475	0.900227	127.695	-448.23
187	12.6508	0.919183	128.539	-436.602
188	12.6508	0.93459	129.413	-424.779
189	12.654	0.950222	130.316	-412.755
190	12.6571	0.970094	131.257	-400.476
191	12.6667	0.986272	132.23	-387.983
192	12.6885	1.00687	133.243	-375.208
193	12.7159	1.02365	134.291	-362.191
194	12.7189	1.04073	135.374	-348.954
195	12.7189	1.06252	136.503	-335.44
196	12.7219	1.08032	137.67	-321.696
197	12.7219	1.10306	138.887	-307.663
198	12.7308	1.12168	140.145	-293.383
199	12.7338	1.14069	141.447	-278.858
200	12.7367	1.16505	142.804	-264.019
201	12.7455	1.18504	144.208	-248.915
202	12.76	1.20553	145.661	-233.533
203	12.76	1.23187	147.179	-217.814
204	12.7742	1.25357	148.75	-201.801
205	12.7911	1.28155	150.393	-185.408
206	12.8077	1.30469	152.095	-168.698
207	12.8662	1.32854	153.86	-151.605
208	12.8739	1.35946	155.708	-134.104
209	12.8917	1.38517	157.627	-116.246
210	12.9166	1.41865	159.639	-97.9223
211	12.9336	1.44663	161.732	-79.2121
212	12.9669	1.47579	163.91	-60.0757
213	12.9739	1.5141	166.203	-40.4319
214	12.9854	1.54643	168.594	-20.3509
215	13.0081	1.58047	171.092	0.207929
216	13.017	1.62576	173.735	21.3705
217	13.1001	1.66456	176.506	43.1764
218	13.1558	1.71688	179.454	65.7634

219	13.1882	1.76241	182.56	89.0064
220	13.2249	1.81191	185.843	112.969
221	13.2303	1.88079	189.38	137.852
222	13.2656	1.94314	193.156	163.629
223	13.2725	2.03352	197.291	190.619
224	13.3261	2.12007	201.786	218.871
225	13.3786	2.22621	206.742	248.655
226	13.415	2.40892	212.545	280.971
227	13.5619	2.65209	219.578	316.938

Data Set Standard Deviation = 1.46337
Numerator = 100450
Denominator = 106268
W Statistic = 0.945246 = 100450 / 106268

5% Critical value of 0.976 exceeds 0.945246
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.945246
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Chloride

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	8.43381	15
	5/15/1996	10.2716	52
	5/16/1996	10.3766	58
	5/17/1996	10.4801	65
	11/5/1996	10.5713	70
	4/15/1997	10.5966	71
	10/31/1997	11.076	101
	6/24/1998	10.8036	76
	12/10/1998	10.9887	91
	5/25/1999	11.0619	99
	11/19/1999	11.0791	102
	5/23/2000	11.4876	126
	12/14/2000	11.5806	131
	6/6/2001	11.8277	140
	11/15/2001	11.8422	141
	6/12/2002	11.644	132
	11/5/2002	11.7035	136
	6/17/2003	11.7753	139
	12/5/2003	11.6699	133
	6/22/2004	12.0377	142
	10/20/2004	12.1172	146
	6/15/2005	12.191	152
	11/1/2005	12.0725	144
	3/17/2006	12.0895	145
	9/11/2006	12.1548	147
	2/21/2007	12.2405	155
	8/14/2007	12.3059	159
	2/7/2008	12.2111	154
	8/4/2008	12.1653	149
	2/19/2009	12.1548	148
	8/20/2009	12.2405	156
	1/21/2010	12.3014	158
	9/7/2010	12.3327	161
	1/7/2011	12.4171	167
	8/1/2011	12.4684	172
	2/24/2012	12.6885	192
	8/22/2012	12.4049	165
	1/10/2013	12.6149	183
	8/28/2013	12.654	189
	2/4/2014	12.7159	193
	8/7/2014	12.8739	208
	2/11/2015	12.7911	205
	8/20/2015	12.9854	214
	2/17/2016	12.7219	196
	2/17/2016	12.7219	197
	8/3/2016	12.9669	212

	1/12/2017	12.9336	211
	7/20/2017	12.8077	206
	1/23/2018	12.6667	191
	7/12/2018	12.7367	200
	2/13/2019	12.7189	194
	8/16/2019	12.6571	190
	3/17/2020	12.6508	187
	8/25/2020	12.7338	199
	3/16/2021	12.1653	150
	7/26/2021	12.4761	173
	3/2/2022	12.6508	188
	9/21/2022	12.4411	170
	3/9/2023	12.539	177
	7/19/2023	12.5602	180
	1/23/2024	12.3502	162
	8/26/2024	12.3631	163
	2/3/2025	12.4875	174
	7/22/2025	12.7308	198
	1/6/2026	12.4212	168
Rank Sum = 9968			
Rank Mean = 153.354			
M-17S	5/15/1996	7.9338	10
	11/5/1996	7.6009	2
	4/15/1997	8.6125	18
	10/30/1997	8.56025	17
	6/23/1998	7.80792	6
	12/9/1998	7.6353	3
	5/25/1999	7.69166	4
	11/16/1999	8.90517	22
	5/19/2000	7.98616	13
	12/12/2000	7.40245	1
	6/5/2001	7.93021	9
	11/15/2001	7.97247	11
	6/13/2002	7.98616	14
	11/7/2002	7.80792	7
	6/17/2003	7.74066	5
	12/4/2003	7.81319	8
	6/22/2004	7.97934	12
	10/19/2004	8.86362	20
	6/15/2005	9.97115	41
	11/1/2005	10.9988	94
	3/16/2006	11.3096	110
	9/12/2006	8.54091	16
	2/20/2007	11.3421	112
	8/13/2007	10.8198	77
	2/6/2008	11.7598	138
	8/6/2008	8.65869	19
	2/18/2009	12.3673	164
	8/19/2009	12.4049	166
	1/22/2010	12.196	153
	9/8/2010	12.0668	143
	1/7/2011	12.3059	160
	8/1/2011	12.6149	184
	2/21/2012	12.6082	182
	8/22/2012	12.539	178
	1/11/2013	12.6475	186
	8/28/2013	12.6379	185

	2/6/2014	12.7455	201
	8/6/2014	12.2877	157
	2/12/2015	12.5672	181
	8/20/2015	12.9166	210
	2/17/2016	12.76	202
	2/17/2016	12.76	203
	8/4/2016	12.8662	207
	1/12/2017	13.2249	220
	7/19/2017	13.017	216
	1/23/2018	13.1558	218
	7/11/2018	12.5461	179
	2/13/2019	12.5318	176
	8/13/2019	12.7189	195
	3/17/2020	13.2656	222
	8/27/2020	13.0081	215
	3/15/2021	13.1882	219
	7/27/2021	13.5619	227
	3/3/2022	12.8917	209
	9/21/2022	12.9739	213
	3/9/2023	13.2725	223
	7/24/2023	13.1001	217
	1/23/2024	13.3786	225
	8/26/2024	12.7742	204
	2/3/2025	13.2303	221
	7/21/2025	13.3261	224
	1/6/2026	13.415	226
Rank Sum = 7900			
Rank Mean = 127.419			
M-23	12/8/1998	10.0213	43
	12/9/1998	9.72316	34
	12/10/1998	9.69277	33
	12/11/1998	9.83092	37
	5/27/1999	9.88837	39
	5/23/2000	9.95703	40
	11/17/2000	9.6486	32
	12/13/2000	9.83628	38
	6/8/2001	10.3056	53
	11/14/2001	10.1464	48
	6/14/2002	10.162	49
	11/5/2002	10.1105	47
	6/17/2003	9.77565	35
	12/5/2003	9.78695	36
	6/25/2004	10.3546	56
	10/19/2004	10.6713	72
	6/15/2005	10.4745	64
	11/2/2005	10.5078	67
	3/16/2006	10.3797	59
	9/12/2006	10.4688	62
	2/22/2007	10.3056	54
	8/15/2007	10.4545	61
	2/6/2008	10.0078	42
	8/4/2008	10.5078	68
	2/18/2009	10.2471	51
	8/19/2009	10.9004	82
	1/21/2010	10.1849	50
	9/7/2010	10.9277	85
	1/7/2011	10.9455	87

8/1/2011	11.017	95
2/21/2012	11.0883	103
8/22/2012	11.0913	105
1/11/2013	10.5241	69
8/29/2013	11.0744	100
2/6/2014	10.9954	93
8/6/2014	11.281	109
2/10/2015	11.3702	114
8/18/2015	11.4252	120
2/17/2016	10.8686	79
2/17/2016	10.8686	80
8/3/2016	11.3691	113
1/12/2017	11.4252	121
7/19/2017	11.4731	124
1/23/2018	11.3386	111
7/11/2018	11.4721	123
2/13/2019	11.2437	108
8/16/2019	11.3794	116
3/17/2020	11.169	107
8/25/2020	11.4142	119
3/16/2021	11.5425	128
7/26/2021	11.5712	130
3/2/2022	11.6699	134
9/21/2022	11.435	122
3/9/2023	11.0883	104
7/24/2023	11.6784	135
1/23/2024	11.3805	117
8/26/2024	11.1534	106
2/3/2025	11.4866	125
7/21/2025	11.7519	137
1/6/2026	11.5119	127

Rank Sum = 4998
Rank Mean = 83.3

Background Rank Sum = 22866
Background Rank Mean = 122.278

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	10.4688	63
	8/27/2024	10.8818	81
	2/7/2025	10.8648	78
	7/23/2025	11.0477	97
	1/7/2026	11.017	96

Rank Sum = 415
Rank Mean = 83

M-24D	1/24/2024	10.7873	75
	8/29/2024	10.9241	83
	2/5/2025	10.9887	92
	7/24/2025	10.9331	86
	1/8/2026	10.9802	89

Rank Sum = 425
Rank Mean = 85

M-7	1/24/2024	8.86785	21

	8/28/2024	8.9872	25
	2/4/2025	8.9359	23
	7/21/2025	8.97462	24
	1/5/2026	9.09381	26

Rank Sum = 119
Rank Mean = 23.8

M-8	1/24/2024	9.53242	29
	8/27/2024	9.3147	28
	2/5/2025	9.53964	30
	7/24/2025	9.23014	27
	1/8/2026	10.09	45

Rank Sum = 159
Rank Mean = 31.8

M-18	1/25/2024	10.09	46
	8/28/2024	10.0858	44
	2/5/2025	10.3672	57
	7/22/2025	10.4429	60
	1/7/2026	10.3514	55

Rank Sum = 262
Rank Mean = 52.4

M-9S	1/25/2024	10.4996	66
	8/28/2024	10.7748	74
	2/5/2025	10.9561	88
	7/22/2025	9.62905	31
	1/8/2026	10.9259	84

Rank Sum = 343
Rank Mean = 68.6

M-21	1/22/2024	10.7255	73
	8/27/2024	11.0588	98
	2/4/2025	11.3748	115
	7/21/2025	10.987	90
	1/7/2026	11.3919	118

Rank Sum = 494
Rank Mean = 98.8

M-19	1/22/2024	11.5425	129
	8/29/2024	12.1756	151
	2/3/2025	12.4987	175
	7/23/2025	12.4332	169
	1/6/2026	12.4529	171

Rank Sum = 795
Rank Mean = 159

Calculation Results:

Kruskal-Wallis H Statistic = 31.7291
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 31.7291
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
31.7291 > 15.5073 indicating a significant group difference at 5% significance level
31.7291 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 122.278

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	83	-39.2781	69.2322
M-24D	85	-37.2781	69.2322
M-7	23.8	-98.4781	69.2322
M-8	31.8	-90.4781	69.2322
M-18	52.4	-69.8781	69.2322
M-9S	68.6	-53.6781	69.2322
M-21	98.8	-23.4781	69.2322
M-19	159	36.7219	69.2322

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213
Mean background rank is 122.278

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	83	-39.2781	74.7614
M-24D	85	-37.2781	74.7614
M-7	23.8	-98.4781	74.7614
M-8	31.8	-90.4781	74.7614
M-18	52.4	-69.8781	74.7614
M-9S	68.6	-53.6781	74.7614
M-21	98.8	-23.4781	74.7614
M-19	159	36.7219	74.7614

Shapiro-Francia Test of Normality

Parameter: Nitrate/Nitrite-N

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 215

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-1.7148	-2.65209	7.03356	4.54779
2	-1.23787	-2.36561	12.6297	7.47613
3	2.33214	-2.22621	17.5857	2.28429
4	2.3979	-2.09693	21.9828	-2.74393
5	2.55723	-1.99539	25.9644	-7.84661
6	2.6174	-1.92684	29.6771	-12.8899
7	2.99573	-1.85218	33.1077	-18.4385
8	2.99573	-1.78661	36.2996	-23.7907
9	2.99573	-1.7392	39.3245	-29.0009
10	2.99573	-1.68494	42.1635	-34.0485
11	2.99573	-1.64485	44.869	-38.9761
12	2.99573	-1.59819	47.4232	-43.7638
13	2.99573	-1.55477	49.8406	-48.4215
14	2.99573	-1.52203	52.1571	-52.9811
15	2.99573	-1.48328	54.3573	-57.4246
16	2.99573	-1.44663	56.45	-61.7584
17	2.99573	-1.41865	58.4626	-66.0083
18	2.99573	-1.38517	60.3813	-70.1579
19	2.99573	-1.35946	62.2294	-74.2305
20	2.99573	-1.32854	63.9945	-78.2104
21	4.21951	-1.29884	65.6814	-83.6909
22	4.70048	-1.27588	67.3093	-89.6881
23	4.81218	-1.24809	68.867	-95.6941
24	4.86753	-1.22123	70.3584	-101.638
25	5.01064	-1.20036	71.7993	-107.653
26	5.01064	-1.17499	73.1799	-113.54
27	5.1358	-1.15035	74.5032	-119.448
28	5.2575	-1.13113	75.7826	-125.395
29	5.2575	-1.10768	77.0096	-131.219
30	5.29832	-1.08935	78.1963	-136.991
31	5.73657	-1.06694	79.3346	-143.111
32	5.90536	-1.04505	80.4267	-149.283
33	6.17379	-1.02789	81.4833	-155.629
34	6.21461	-1.00687	82.4971	-161.886
35	6.27664	-0.986272	83.4698	-168.076
36	6.34564	-0.970094	84.4109	-174.232
37	6.41346	-0.950222	85.3138	-180.326
38	6.41346	-0.93459	86.1873	-186.32
39	6.4151	-0.915365	87.0252	-192.193
40	6.47697	-0.896473	87.8288	-197.999
41	6.49072	-0.881587	88.606	-203.721
42	6.49224	-0.863249	89.3512	-209.326
43	6.50728	-0.845198	90.0656	-214.826
44	6.53669	-0.830953	90.7561	-220.257
45	6.55108	-0.813379	91.4177	-225.586
46	6.60665	-0.7995	92.0569	-230.868
47	6.64769	-0.782366	92.669	-236.069

48	6.66185	-0.765456	93.2549	-241.168
49	6.7093	-0.752084	93.8205	-246.214
50	6.74524	-0.735557	94.3616	-251.175
51	6.74524	-0.719228	94.8788	-256.027
52	6.76849	-0.706302	95.3777	-260.807
53	6.79122	-0.690309	95.8542	-265.495
54	6.82871	-0.67449	96.3092	-270.101
55	6.86171	-0.661955	96.7474	-274.644
56	6.90776	-0.646431	97.1652	-279.109
57	6.90776	-0.634124	97.5673	-283.489
58	6.92756	-0.618872	97.9503	-287.777
59	6.98472	-0.603765	98.3149	-291.994
60	7.01212	-0.591776	98.6651	-296.143
61	7.09008	-0.576911	98.9979	-300.234
62	7.17012	-0.56217	99.3139	-304.264
63	7.24423	-0.550465	99.617	-308.252
64	7.31322	-0.53594	99.9042	-312.172
65	7.31322	-0.524401	100.179	-316.007
66	7.31322	-0.510074	100.439	-319.737
67	7.31322	-0.49585	100.685	-323.363
68	7.37776	-0.484544	100.92	-326.938
69	7.37776	-0.470498	101.141	-330.409
70	7.39634	-0.456542	101.35	-333.786
71	7.40245	-0.445443	101.548	-337.083
72	7.43838	-0.431644	101.735	-340.294
73	7.43838	-0.420664	101.911	-343.423
74	7.43838	-0.40701	102.077	-346.451
75	7.43838	-0.393433	102.232	-349.377
76	7.49554	-0.382622	102.378	-352.245
77	7.49554	-0.369171	102.515	-355.012
78	7.54961	-0.355788	102.641	-357.698
79	7.54961	-0.345126	102.76	-360.304
80	7.54961	-0.331854	102.87	-362.809
81	7.54961	-0.318639	102.972	-365.215
82	7.54961	-0.308108	103.067	-367.541
83	7.55486	-0.294992	103.154	-369.77
84	7.56528	-0.284535	103.235	-371.922
85	7.6009	-0.271509	103.309	-373.986
86	7.6009	-0.258527	103.375	-375.951
87	7.6009	-0.248174	103.437	-377.837
88	7.6009	-0.235269	103.492	-379.626
89	7.6009	-0.222403	103.542	-381.316
90	7.6009	-0.212137	103.587	-382.928
91	7.6009	-0.199336	103.627	-384.444
92	7.6009	-0.189118	103.662	-385.881
93	7.6009	-0.176374	103.693	-387.222
94	7.6009	-0.163659	103.72	-388.466
95	7.69621	-0.153505	103.744	-389.647
96	7.69621	-0.140835	103.764	-390.731
97	7.69621	-0.128189	103.78	-391.717
98	7.78322	-0.118085	103.794	-392.637
99	7.78322	-0.105474	103.805	-393.457
100	7.82405	-0.0953969	103.814	-394.204
101	7.82405	-0.0828129	103.821	-394.852
102	7.82804	-0.0702426	103.826	-395.402
103	7.83597	-0.0601949	103.83	-395.873
104	7.99968	-0.0476439	103.832	-396.254

105	8.03916	-0.0350997	103.833	-396.537
106	8.03916	-0.0250691	103.834	-396.738
107	8.07091	-0.0125328	103.834	-396.839
108	8.07091	0	103.834	-396.839
109	8.13153	0.0125328	103.834	-396.737
110	8.13153	0.0250691	103.835	-396.534
111	8.14323	0.0350997	103.836	-396.248
112	8.38936	0.0476439	103.838	-395.848
113	8.45532	0.0601949	103.842	-395.339
114	8.51719	0.0702426	103.847	-394.741
115	8.51719	0.0828129	103.854	-394.035
116	8.51719	0.0953969	103.863	-393.223
117	8.537	0.105474	103.874	-392.323
118	8.55256	0.118085	103.888	-391.313
119	8.55641	0.128189	103.904	-390.216
120	8.56217	0.140835	103.924	-389.01
121	8.59415	0.153505	103.948	-387.691
122	8.6125	0.163659	103.974	-386.281
123	8.63052	0.176374	104.006	-384.759
124	8.63052	0.189118	104.041	-383.127
125	8.63231	0.199336	104.081	-381.406
126	8.63941	0.212137	104.126	-379.573
127	8.64471	0.222403	104.176	-377.651
128	8.64822	0.235269	104.231	-375.616
129	8.64822	0.248174	104.292	-373.47
130	8.65347	0.258527	104.359	-371.233
131	8.65696	0.271509	104.433	-368.882
132	8.67077	0.284535	104.514	-366.415
133	8.6844	0.294992	104.601	-363.853
134	8.71604	0.308108	104.696	-361.168
135	8.7323	0.318639	104.797	-358.385
136	8.7323	0.331854	104.908	-355.487
137	8.74353	0.345126	105.027	-352.47
138	8.77956	0.355788	105.153	-349.346
139	8.82468	0.369171	105.29	-346.088
140	8.85367	0.382622	105.436	-342.701
141	8.86785	0.393433	105.591	-339.212
142	8.86785	0.40701	105.756	-335.602
143	8.86785	0.420664	105.933	-331.872
144	8.86926	0.431644	106.12	-328.044
145	8.89563	0.445443	106.318	-324.081
146	8.91193	0.456542	106.527	-320.013
147	8.93195	0.470498	106.748	-315.81
148	8.9359	0.484544	106.983	-311.48
149	8.94898	0.49585	107.229	-307.043
150	8.95157	0.510074	107.489	-302.477
151	8.98218	0.524401	107.764	-297.767
152	9.00209	0.53594	108.051	-292.942
153	9.01189	0.550465	108.354	-287.981
154	9.02281	0.56217	108.67	-282.909
155	9.02642	0.576911	109.003	-277.702
156	9.04782	0.591776	109.353	-272.347
157	9.07108	0.603765	109.718	-266.871
158	9.08251	0.618872	110.101	-261.25
159	9.0893	0.634124	110.503	-255.486
160	9.10498	0.646431	110.921	-249.6
161	9.11273	0.661955	111.359	-243.568

162	9.11603	0.67449	111.814	-237.419
163	9.13884	0.690309	112.29	-231.111
164	9.1442	0.706302	112.789	-224.652
165	9.18502	0.719228	113.306	-218.046
166	9.18809	0.735557	113.847	-211.288
167	9.19116	0.752084	114.413	-204.375
168	9.19116	0.765456	114.999	-197.34
169	9.19827	0.782366	115.611	-190.143
170	9.22029	0.7995	116.25	-182.772
171	9.22029	0.813379	116.912	-175.272
172	9.23014	0.830953	117.602	-167.602
173	9.23014	0.845198	118.317	-159.801
174	9.24956	0.863249	119.062	-151.816
175	9.2873	0.881587	119.839	-143.629
176	9.2873	0.896473	120.643	-135.303
177	9.3147	0.915365	121.481	-126.776
178	9.32367	0.93459	122.354	-118.063
179	9.33256	0.950222	123.257	-109.195
180	9.34137	0.970094	124.198	-100.133
181	9.34137	0.986272	125.171	-90.9195
182	9.34137	1.00687	126.185	-81.514
183	9.34137	1.02789	127.241	-71.9121
184	9.35876	1.04505	128.333	-62.1317
185	9.37585	1.06694	129.472	-52.1282
186	9.38429	1.08935	130.658	-41.9055
187	9.39266	1.10768	131.885	-31.5014
188	9.40096	1.13113	133.165	-20.8677
189	9.40919	1.15035	134.488	-10.0438
190	9.43348	1.17499	135.869	1.0404
191	9.44145	1.20036	137.31	12.3735
192	9.4727	1.22123	138.801	23.9419
193	9.51044	1.24809	140.359	35.8117
194	9.51783	1.27588	141.986	47.9553
195	9.52515	1.29884	143.673	60.3269
196	9.53242	1.32854	145.438	72.9911
197	9.53242	1.35946	147.287	85.9501
198	9.53242	1.38517	149.205	99.1541
199	9.53964	1.41865	151.218	112.688
200	9.53964	1.44663	153.311	126.488
201	9.53964	1.48328	155.511	140.638
202	9.53964	1.52203	157.827	155.158
203	9.55393	1.55477	160.245	170.012
204	9.56801	1.59819	162.799	185.303
205	9.56801	1.64485	165.504	201.041
206	9.5819	1.68494	168.343	217.186
207	9.5956	1.7392	171.368	233.875
208	9.60912	1.78661	174.56	251.043
209	9.6486	1.85218	177.991	268.914
210	9.6486	1.92684	181.704	287.505
211	9.74097	1.99539	185.685	306.942
212	9.75266	2.09693	190.082	327.393
213	9.76423	2.22621	195.038	349.13
214	9.81466	2.36561	200.634	372.347
215	9.85219	2.65209	207.668	398.476

Data Set Standard Deviation = 2.08372

Numerator = 158783
Denominator = 192958
W Statistic = 0.822889 = 158783 / 192958

5% Critical value of 0.976 exceeds 0.822889
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.822889
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Nitrate/Nitrite-N

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	9.81466	214
	5/15/1996	9.53964	199
	5/16/1996	9.53964	200
	5/17/1996	9.60912	208
	11/5/1996	9.4727	192
	4/15/1997	9.39266	187
	10/31/1997	9.85219	215
	6/24/1998	9.38429	186
	12/10/1998	9.53964	201
	5/25/1999	9.44145	191
	11/19/1999	9.18809	166
	5/23/2000	9.53964	202
	12/14/2000	9.37585	185
	6/6/2001	9.22029	170
	11/15/2001	9.5819	206
	6/12/2002	9.2873	175
	11/5/2002	9.34137	180
	6/17/2003	9.23014	172
	12/5/2003	9.33256	179
	6/22/2004	9.34137	181
	10/20/2004	9.35876	184
	6/15/2005	2.3979	51
	11/1/2005	2.33214	50
	2/7/2008	ND<5.01064	24
	8/4/2008	9.04782	156
	2/19/2009	9.02642	155
	8/20/2009	8.91193	146
	1/21/2010	8.98218	151
	9/7/2010	9.32367	178
	1/7/2011	9.02281	154
	8/1/2011	8.93195	147
	2/24/2012	8.74353	137
	8/22/2012	9.1442	164
	1/10/2013	8.6844	133
	8/28/2013	8.63941	126
	2/4/2014	8.537	117
	8/7/2014	8.64471	127
	2/11/2015	8.55256	118
	8/20/2015	8.64822	128
	2/17/2016	8.63052	123
	2/17/2016	8.63052	124
	8/3/2016	8.65347	130
	1/12/2017	8.67077	132
	7/20/2017	8.63231	125
	1/23/2018	8.59415	121
	7/12/2018	8.71604	134

	2/13/2019	8.55641	119
	8/16/2019	8.45532	116
	3/17/2020	8.38936	115
	8/25/2020	8.64822	129
	3/16/2021	7.43838	92
	7/26/2021	8.77956	138
	3/2/2022	7.6009	98
	9/21/2022	8.14323	114
	3/9/2023	ND<7.31322 J	24
	7/19/2023	ND<8.51719	24
	1/23/2024	ND<8.51719	24
	8/26/2024	ND<7.17012 J	24
	2/3/2025	7.6009	99
	7/22/2025	ND<7.31322 J	24
	1/6/2026	6.47697	70
Rank Sum = 8354			
Rank Mean = 136.951			
M-17S	5/15/1996	ND<2.99573	24
	11/5/1996	2.99573	54
	4/15/1997	2.99573	55
	10/30/1997	ND<2.99573	24
	6/23/1998	ND<2.99573	24
	12/9/1998	ND<2.99573	24
	5/25/1999	ND<2.99573	24
	11/16/1999	6.79122	80
	5/19/2000	ND<2.99573	24
	12/12/2000	ND<2.99573	24
	6/5/2001	8.56217	120
	11/15/2001	ND<2.99573	24
	6/13/2002	ND<2.99573	24
	11/7/2002	ND<2.99573	24
	6/17/2003	ND<2.99573	24
	12/4/2003	ND<2.99573	24
	6/22/2004	4.86753	58
	10/19/2004	4.70048	56
	6/15/2005	-1.7148	48
	11/1/2005	-1.23787	49
	2/6/2008	6.7093	78
	8/6/2008	ND<5.01064	24
	2/18/2009	6.76849	79
	8/19/2009	6.50728	73
	1/22/2010	6.17379	65
	9/8/2010	6.98472	84
	1/7/2011	6.34564	67
	8/1/2011	6.60665	75
	2/21/2012	6.92756	83
	8/22/2012	6.64769	76
	1/11/2013	5.90536	64
	8/28/2013	6.86171	82
	2/6/2014	6.4151	69
	8/6/2014	6.66185	77
	2/12/2015	6.82871	81
	8/20/2015	6.27664	66
	2/17/2016	5.2575	60
	2/17/2016	5.2575	61
	8/4/2016	6.49072	71
	1/12/2017	7.01212	85

	7/19/2017	4.81218	57
	1/23/2018	5.29832	62
	7/11/2018	7.31322	88
	2/13/2019	7.6009	100
	8/13/2019	7.54961	93
	3/17/2020	7.82405	106
	8/27/2020	8.07091	111
	3/15/2021	7.78322	104
	7/27/2021	7.54961	94
	3/3/2022	7.69621	101
	9/21/2022	7.55486	96
	3/9/2023	ND<8.51719	24
	7/24/2023	ND<7.82405 J	24
	1/23/2024	ND<7.49554 J	24
	8/26/2024	ND<8.03916 J	24
	2/3/2025	ND<8.13153 J	24
	7/21/2025	8.03916	110
	1/6/2026	8.13153	113
Rank Sum = 3583			
Rank Mean = 61.7759			
M-23	12/8/1998	9.76423	213
	12/9/1998	9.6486	209
	12/10/1998	9.6486	210
	12/11/1998	9.75266	212
	5/27/1999	9.53242	196
	5/23/2000	9.51783	194
	11/17/2000	9.24956	174
	12/13/2000	7.39634	90
	6/8/2001	9.52515	195
	11/14/2001	9.51044	193
	6/14/2002	9.74097	211
	11/5/2002	9.55393	203
	6/17/2003	9.3147	177
	12/5/2003	9.5956	207
	6/25/2004	9.53242	197
	10/19/2004	9.53242	198
	6/15/2005	2.6174	53
	11/2/2005	2.55723	52
	2/6/2008	9.34137	182
	8/4/2008	8.86926	144
	2/18/2009	9.56801	204
	8/19/2009	9.19827	169
	1/21/2010	9.34137	183
	9/7/2010	9.56801	205
	1/7/2011	9.2873	176
	8/1/2011	9.40919	189
	2/21/2012	9.43348	190
	8/22/2012	9.22029	171
	1/11/2013	9.40096	188
	8/29/2013	9.18502	165
	2/6/2014	ND<6.21461	24
	8/6/2014	9.10498	160
	2/10/2015	9.13884	163
	8/18/2015	9.11273	161
	2/17/2016	9.19116	167
	2/17/2016	9.19116	168
	8/3/2016	9.00209	152

	1/12/2017	9.0893	159
	7/19/2017	8.95157	150
	1/23/2018	8.86785	141
	7/11/2018	9.23014	173
	2/13/2019	9.11603	162
	8/16/2019	8.85367	140
	3/17/2020	8.89563	145
	8/25/2020	8.86785	142
	3/16/2021	9.01189	153
	7/26/2021	8.94898	149
	3/2/2022	8.82468	139
	9/21/2022	8.65696	131
	3/9/2023	8.9359	148
	7/24/2023	8.6125	122
	1/23/2024	9.08251	158
	8/26/2024	9.07108	157
	2/3/2025	8.7323	135
	7/21/2025	8.86785	143
	1/6/2026	8.7323	136

Rank Sum = 9128
Rank Mean = 163

Background Rank Sum = 21065
Background Rank Mean = 120.371

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	8.07091	112
	8/27/2024	7.82804	107
	2/7/2025	7.83597	108
	7/23/2025	7.78322	105
	1/7/2026	7.69621	102

Rank Sum = 534
Rank Mean = 106.8

M-24D	1/24/2024	ND<7.43838 J	24
	8/29/2024	7.56528	97
	2/5/2025	ND<7.54961 J	24
	7/24/2025	ND<7.43838 J	24
	1/8/2026	7.54961	95

Rank Sum = 264
Rank Mean = 52.8

M-7	1/24/2024	ND<7.6009	24
	8/28/2024	6.41346	68
	2/4/2025	ND<7.6009	24
	7/21/2025	ND<7.6009	24
	1/5/2026	ND<4.21951 J	24

Rank Sum = 164
Rank Mean = 32.8

M-8	1/24/2024	ND<6.74524 J	24
	8/27/2024	6.55108	74
	2/5/2025	ND<6.74524 J	24
	7/24/2025	ND<6.41346 J	24
	1/8/2026	7.24423	87

Rank Sum = 233
Rank Mean = 46.6

M-18	1/25/2024	ND<7.37776 J	24
	8/28/2024	7.40245	91
	2/5/2025	ND<7.54961 J	24
	7/22/2025	ND<7.6009 J	24
	1/7/2026	7.69621	103

Rank Sum = 266
Rank Mean = 53.2

M-9S	1/25/2024	ND<6.90776 J	24
	8/28/2024	5.73657	63
	2/5/2025	ND<7.6009	24
	7/22/2025	ND<7.31322 J	24
	1/8/2026	5.1358	59

Rank Sum = 194
Rank Mean = 38.8

M-21	1/22/2024	ND<7.6009	24
	8/27/2024	6.49224	72
	2/4/2025	ND<6.90776 J	24
	7/21/2025	ND<7.6009	24
	1/7/2026	7.09008	86

Rank Sum = 230
Rank Mean = 46

M-19	1/22/2024	ND<6.53669 J	24
	8/29/2024	7.99968	109
	2/3/2025	ND<7.43838 J	24
	7/23/2025	ND<7.49554 J	24
	1/6/2026	7.37776	89

Rank Sum = 270
Rank Mean = 54

Calculation Results:

Kruskal-Wallis H Statistic = 41.8372
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 42.2787
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
41.8372 > 15.5073 indicating a significant group difference at 5% significance level
42.2787 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 120.371

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	106.8	-13.5714	65.6389
M-24D	52.8	-67.5714	65.6389
M-7	32.8	-87.5714	65.6389
M-8	46.6	-73.7714	65.6389
M-18	53.2	-67.1714	65.6389
M-9S	38.8	-81.5714	65.6389
M-21	46	-74.3714	65.6389
M-19	54	-66.3714	65.6389

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 120.371

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	106.8	-13.5714	70.8811
M-24D	52.8	-67.5714	70.8811
M-7	32.8	-87.5714	70.8811
M-8	46.6	-73.7714	70.8811
M-18	53.2	-67.1714	70.8811
M-9S	38.8	-81.5714	70.8811
M-21	46	-74.3714	70.8811
M-19	54	-66.3714	70.8811

Shapiro-Francia Test of Normality

Parameter: Sulfate

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 337

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	5.94017	-2.87815	8.28375	-17.0967
2	5.94017	-2.57583	14.9187	-32.3976
3	5.94017	-2.40892	20.7216	-46.707
4	5.94017	-2.29036	25.9673	-60.3122
5	5.94017	-2.19728	30.7954	-73.3644
6	5.94017	-2.12007	35.2901	-85.958
7	5.94017	-2.05375	39.508	-98.1576
8	5.94017	-1.99539	43.4896	-110.011
9	5.94017	-1.94314	47.2654	-121.553
10	5.94017	-1.8957	50.859	-132.814
11	5.94017	-1.85218	54.2896	-143.816
12	5.94017	-1.81191	57.5726	-154.579
13	5.94017	-1.77438	60.721	-165.119
14	5.94017	-1.7392	63.7458	-175.45
15	5.94017	-1.70604	66.6564	-185.585
16	5.94017	-1.67466	69.4609	-195.532
17	5.94017	-1.64485	72.1665	-205.303
18	5.94017	-1.61644	74.7793	-214.905
19	5.94017	-1.58927	77.3051	-224.346
20	5.94017	-1.56322	79.7488	-233.631
21	5.94017	-1.5382	82.1148	-242.769
22	5.94017	-1.5141	84.4073	-251.763
23	5.94017	-1.49085	86.63	-260.619
24	5.94017	-1.46838	88.7861	-269.341
25	5.94017	-1.4538	90.8997	-277.977
26	5.94017	-1.4325	92.9517	-286.486
27	5.94017	-1.41183	94.945	-294.873
28	5.94017	-1.39175	96.882	-303.14
29	5.94017	-1.3722	98.7649	-311.291
30	5.94017	-1.35317	100.596	-319.329
31	5.94017	-1.33462	102.377	-327.257
32	5.94017	-1.31652	104.11	-335.077
33	5.94017	-1.29884	105.797	-342.793
34	5.94017	-1.28155	107.44	-350.405
35	5.94017	-1.26464	109.039	-357.917
36	5.94017	-1.24809	110.597	-365.331
37	5.94017	-1.23187	112.114	-372.649
38	5.94017	-1.21596	113.593	-379.872
39	5.94017	-1.20036	115.034	-387.002
40	5.94017	-1.18504	116.438	-394.042
41	5.94017	-1.17	117.807	-400.992
42	5.94017	-1.15522	119.142	-407.854
43	5.94017	-1.14069	120.443	-414.63
44	5.94017	-1.12639	121.711	-421.321
45	5.94017	-1.11232	122.949	-427.928
46	5.94017	-1.09847	124.155	-434.453
47	5.94017	-1.08482	125.332	-440.897

48	5.94017	-1.07138	126.48	-447.261
49	5.94017	-1.06252	127.609	-453.573
50	5.94017	-1.04939	128.71	-459.806
51	5.94017	-1.03643	129.784	-465.963
52	5.94017	-1.02365	130.832	-472.044
53	5.94017	-1.01104	131.854	-478.049
54	5.94017	-0.998575	132.852	-483.981
55	5.94017	-0.986272	133.824	-489.84
56	5.94017	-0.974114	134.773	-495.626
57	5.94017	-0.9621	135.699	-501.341
58	5.94017	-0.950222	136.602	-506.986
59	5.94017	-0.938476	137.483	-512.56
60	5.94017	-0.926859	138.342	-518.066
61	5.94017	-0.915365	139.179	-523.503
62	5.94017	-0.903992	139.997	-528.873
63	5.94017	-0.892733	140.794	-534.176
64	6.06379	-0.881587	141.571	-539.522
65	6.12468	-0.87055	142.329	-544.854
66	6.12468	-0.859618	143.068	-550.119
67	6.12468	-0.848786	143.788	-555.317
68	6.15273	-0.838054	144.49	-560.474
69	6.24028	-0.827417	145.175	-565.637
70	6.24028	-0.816874	145.842	-570.734
71	6.24028	-0.806422	146.493	-575.767
72	6.36303	-0.796056	147.126	-580.832
73	6.36303	-0.789191	147.749	-585.854
74	6.36303	-0.778966	148.356	-590.81
75	6.39693	-0.768821	148.947	-595.728
76	6.39693	-0.758753	149.523	-600.582
77	6.39693	-0.748762	150.083	-605.372
78	6.39693	-0.738846	150.629	-610.098
79	6.39693	-0.729003	151.161	-614.762
80	6.41346	-0.719228	151.678	-619.374
81	6.42972	-0.709522	152.181	-623.936
82	6.49224	-0.699883	152.671	-628.48
83	6.56526	-0.690309	153.148	-633.012
84	6.62007	-0.680797	153.611	-637.519
85	6.63332	-0.671346	154.062	-641.972
86	6.63332	-0.661955	154.5	-646.363
87	6.63332	-0.652622	154.926	-650.692
88	6.64639	-0.643345	155.34	-654.968
89	6.65929	-0.634124	155.742	-659.191
90	6.67203	-0.624956	156.133	-663.361
91	6.67203	-0.615839	156.512	-667.47
92	6.67203	-0.606775	156.88	-671.518
93	6.68461	-0.597761	157.237	-675.514
94	6.69208	-0.588793	157.584	-679.454
95	6.69208	-0.579873	157.92	-683.335
96	6.69208	-0.570999	158.246	-687.156
97	6.71538	-0.565108	158.566	-690.951
98	6.71538	-0.556308	158.875	-694.687
99	6.71538	-0.547551	159.175	-698.364
100	6.74524	-0.538836	159.465	-701.998
101	6.75693	-0.530162	159.746	-705.581
102	6.75693	-0.521527	160.018	-709.105
103	6.77992	-0.51293	160.282	-712.582
104	6.83518	-0.504372	160.536	-716.03

105	6.87936	-0.49585	160.782	-719.441
106	6.90776	-0.487364	161.019	-722.807
107	6.90776	-0.478914	161.249	-726.116
108	6.90776	-0.470498	161.47	-729.366
109	6.90776	-0.462114	161.684	-732.558
110	6.90776	-0.453763	161.889	-735.692
111	6.90776	-0.445443	162.088	-738.769
112	6.90776	-0.437153	162.279	-741.789
113	6.90776	-0.428895	162.463	-744.752
114	6.90776	-0.420664	162.64	-747.658
115	6.90776	-0.412463	162.81	-750.507
116	6.90776	-0.40429	162.973	-753.3
117	6.90776	-0.396142	163.13	-756.036
118	6.90776	-0.388022	163.281	-758.716
119	6.90776	-0.379927	163.425	-761.341
120	7.00307	-0.371856	163.564	-763.945
121	7.00307	-0.36649	163.698	-766.511
122	7.00307	-0.358459	163.826	-769.022
123	7.00307	-0.350451	163.949	-771.476
124	7.09008	-0.342466	164.067	-773.904
125	7.09008	-0.334503	164.178	-776.276
126	7.12287	-0.326561	164.285	-778.602
127	7.20042	-0.318639	164.387	-780.896
128	7.22257	-0.310738	164.483	-783.14
129	7.23706	-0.302855	164.575	-785.332
130	7.23706	-0.294992	164.662	-787.467
131	7.23706	-0.287147	164.744	-789.545
132	7.24423	-0.279319	164.822	-791.569
133	7.24423	-0.271509	164.896	-793.536
134	7.29302	-0.263715	164.966	-795.459
135	7.29302	-0.255936	165.031	-797.325
136	7.30653	-0.248174	165.093	-799.139
137	7.30653	-0.240426	165.151	-800.895
138	7.30653	-0.232693	165.205	-802.596
139	7.31322	-0.224974	165.255	-804.241
140	7.31322	-0.217267	165.302	-805.83
141	7.37776	-0.209575	165.346	-807.376
142	7.40245	-0.201894	165.387	-808.87
143	7.40245	-0.194225	165.425	-810.308
144	7.40245	-0.186567	165.46	-811.689
145	7.43838	-0.181468	165.493	-813.039
146	7.43838	-0.173829	165.523	-814.332
147	7.45588	-0.166199	165.55	-815.571
148	7.45588	-0.158579	165.576	-816.754
149	7.45588	-0.150969	165.598	-817.879
150	7.49554	-0.143367	165.619	-818.954
151	7.49554	-0.135774	165.637	-819.972
152	7.50659	-0.128189	165.654	-820.934
153	7.54961	-0.12061	165.668	-821.844
154	7.54961	-0.113039	165.681	-822.698
155	7.54961	-0.105474	165.692	-823.494
156	7.57558	-0.0979139	165.702	-824.236
157	7.5807	-0.0903606	165.71	-824.921
158	7.59085	-0.0828129	165.717	-825.549
159	7.59085	-0.0752698	165.723	-826.121
160	7.59085	-0.0677301	165.727	-826.635
161	7.6009	-0.0601949	165.731	-827.092

162	7.6009	-0.0526632	165.734	-827.493
163	7.6009	-0.0451348	165.736	-827.836
164	7.6009	-0.0376076	165.737	-828.122
165	7.6009	-0.0300838	165.738	-828.35
166	7.6009	-0.0225612	165.738	-828.522
167	7.6009	-0.0150408	165.739	-828.636
168	7.6009	-0.00751925	165.739	-828.693
169	7.6009	0	165.739	-828.693
170	7.6009	0.00751925	165.739	-828.636
171	7.6009	0.0150408	165.739	-828.522
172	7.6009	0.0225612	165.739	-828.35
173	7.6009	0.0300838	165.74	-828.122
174	7.6009	0.0376076	165.742	-827.836
175	7.6009	0.0451348	165.744	-827.493
176	7.6009	0.0526632	165.747	-827.092
177	7.60589	0.0601949	165.75	-826.635
178	7.60589	0.0677301	165.755	-826.119
179	7.60589	0.0752698	165.76	-825.547
180	7.63046	0.0828129	165.767	-824.915
181	7.64969	0.0903606	165.775	-824.224
182	7.66388	0.0979139	165.785	-823.473
183	7.68248	0.105474	165.796	-822.663
184	7.69166	0.113039	165.809	-821.794
185	7.69166	0.12061	165.824	-820.866
186	7.69166	0.128189	165.84	-819.88
187	7.69621	0.135774	165.858	-818.835
188	7.70075	0.143367	165.879	-817.731
189	7.71423	0.150969	165.902	-816.566
190	7.82004	0.158579	165.927	-815.326
191	7.82405	0.166199	165.955	-814.026
192	7.83597	0.173829	165.985	-812.664
193	7.83597	0.181468	166.018	-811.242
194	7.83597	0.186567	166.052	-809.78
195	7.83992	0.194225	166.09	-808.257
196	7.83992	0.201894	166.131	-806.674
197	7.83992	0.209575	166.175	-805.031
198	7.83992	0.217267	166.222	-803.328
199	7.83992	0.224974	166.273	-801.564
200	7.83992	0.232693	166.327	-799.74
201	7.90101	0.240426	166.385	-797.84
202	7.9338	0.248174	166.446	-795.871
203	7.9338	0.255936	166.512	-793.841
204	7.9338	0.263715	166.581	-791.748
205	7.97934	0.271509	166.655	-789.582
206	7.97934	0.279319	166.733	-787.353
207	7.97934	0.287147	166.815	-785.062
208	7.98276	0.294992	166.902	-782.707
209	7.98956	0.302855	166.994	-780.287
210	7.98956	0.310738	167.091	-777.805
211	8.10168	0.318639	167.192	-775.223
212	8.11073	0.326561	167.299	-772.575
213	8.11073	0.334503	167.411	-769.862
214	8.11073	0.342466	167.528	-767.084
215	8.11672	0.350451	167.651	-764.239
216	8.14613	0.358459	167.779	-761.319
217	8.14613	0.36649	167.914	-758.334
218	8.14613	0.371856	168.052	-755.305

219	8.15766	0.379927	168.196	-752.205
220	8.16052	0.388022	168.347	-749.039
221	8.18869	0.396142	168.504	-745.795
222	8.21609	0.40429	168.667	-742.473
223	8.3163	0.412463	168.837	-739.043
224	8.31874	0.420664	169.014	-735.544
225	8.34284	0.428895	169.198	-731.966
226	8.34996	0.437153	169.389	-728.315
227	8.34996	0.445443	169.588	-724.596
228	8.34996	0.453763	169.794	-720.807
229	8.38936	0.462114	170.007	-716.93
230	8.38936	0.470498	170.229	-712.983
231	8.38936	0.478914	170.458	-708.965
232	8.38936	0.487364	170.696	-704.877
233	8.43381	0.49585	170.941	-700.695
234	8.43381	0.504372	171.196	-696.441
235	8.44031	0.51293	171.459	-692.112
236	8.44031	0.521527	171.731	-687.71
237	8.44031	0.530162	172.012	-683.235
238	8.45532	0.538836	172.302	-678.679
239	8.51719	0.547551	172.602	-674.015
240	8.51719	0.556308	172.912	-669.277
241	8.60337	0.565108	173.231	-664.415
242	8.60337	0.570999	173.557	-659.503
243	8.60337	0.579873	173.893	-654.514
244	8.64822	0.588793	174.24	-649.422
245	8.68271	0.597761	174.597	-644.232
246	8.69951	0.606775	174.965	-638.953
247	8.69951	0.615839	175.345	-633.596
248	8.77028	0.624956	175.735	-628.115
249	8.77028	0.634124	176.137	-622.553
250	8.77028	0.643345	176.551	-616.911
251	8.80986	0.652622	176.977	-611.161
252	8.85652	0.661955	177.415	-605.299
253	8.86785	0.671346	177.866	-599.345
254	8.89837	0.680797	178.33	-593.287
255	8.89837	0.690309	178.806	-587.145
256	8.89837	0.699883	179.296	-580.917
257	8.90924	0.709522	179.799	-574.596
258	8.90924	0.719228	180.317	-568.188
259	8.9359	0.729003	180.848	-561.674
260	8.97462	0.738846	181.394	-555.043
261	8.99962	0.748762	181.955	-548.304
262	9.07108	0.758753	182.53	-541.421
263	9.08251	0.768821	183.121	-534.439
264	9.12696	0.778966	183.728	-527.329
265	9.13346	0.789191	184.351	-520.121
266	9.18502	0.796056	184.985	-512.809
267	9.18605	0.806422	185.635	-505.401
268	9.18707	0.816874	186.302	-497.897
269	9.18707	0.827417	186.987	-490.295
270	9.18809	0.838054	187.689	-482.595
271	9.19014	0.848786	188.41	-474.795
272	9.19421	0.859618	189.149	-466.891
273	9.20934	0.87055	189.906	-458.874
274	9.21034	0.881587	190.684	-450.754
275	9.22029	0.892733	191.481	-442.523

276	9.22029	0.903992	192.298	-434.188
277	9.22029	0.915365	193.136	-425.748
278	9.23014	0.926859	193.995	-417.193
279	9.23014	0.938476	194.876	-408.531
280	9.23014	0.950222	195.778	-399.76
281	9.24956	0.9621	196.704	-390.861
282	9.24956	0.974114	197.653	-381.851
283	9.24956	0.986272	198.626	-372.728
284	9.25913	0.998575	199.623	-363.482
285	9.278	1.01104	200.645	-354.102
286	9.278	1.02365	201.693	-344.604
287	9.278	1.03643	202.767	-334.988
288	9.29652	1.04939	203.868	-325.233
289	9.29652	1.06252	204.997	-315.355
290	9.29652	1.07138	206.145	-305.395
291	9.3147	1.08482	207.322	-295.29
292	9.3147	1.09847	208.529	-285.058
293	9.33256	1.11232	209.766	-274.677
294	9.34137	1.12639	211.035	-264.155
295	9.3501	1.14069	212.336	-253.49
296	9.37585	1.15522	213.67	-242.659
297	9.37585	1.17	215.039	-231.689
298	9.37585	1.18504	216.444	-220.578
299	9.39266	1.20036	217.884	-209.304
300	9.42545	1.21596	219.363	-197.843
301	9.44145	1.23187	220.881	-186.212
302	9.44145	1.24809	222.438	-174.428
303	9.4572	1.26464	224.038	-162.468
304	9.48037	1.28155	225.68	-150.319
305	9.48037	1.29884	227.367	-138.005
306	9.49552	1.31652	229.1	-125.504
307	9.50301	1.33462	230.881	-112.821
308	9.53242	1.35317	232.712	-99.9222
309	9.54681	1.3722	234.595	-86.822
310	9.561	1.39175	236.532	-73.5155
311	9.64212	1.41183	238.526	-59.9025
312	9.64212	1.4325	240.578	-46.0901
313	9.66777	1.4538	242.691	-32.0351
314	9.68657	1.46838	244.847	-17.8115
315	9.72913	1.49085	247.07	-3.30675
316	9.74683	1.5141	249.363	11.451
317	9.76423	1.5382	251.729	26.4703
318	9.76996	1.56322	254.172	41.7429
319	9.78132	1.58927	256.698	57.2881
320	9.78132	1.61644	259.311	73.0989
321	9.78695	1.64485	262.016	89.197
322	9.81466	1.67466	264.821	105.633
323	9.81466	1.70604	267.731	122.378
324	9.81466	1.7392	270.756	139.447
325	9.81466	1.77438	273.905	156.862
326	9.85219	1.81191	277.188	174.713
327	9.85219	1.85218	280.618	192.961
328	9.87303	1.8957	284.212	211.678
329	9.89848	1.94314	287.988	230.912
330	9.90848	1.99539	291.969	250.683
331	9.93305	2.05375	296.187	271.083
332	9.93789	2.12007	300.682	292.152

333	10.0168	2.19728	305.51	314.162
334	10.0982	2.29036	310.756	337.29
335	10.1226	2.40892	316.559	361.675
336	10.2647	2.57583	323.194	388.115
337	10.5558	2.87815	331.477	418.496

Data Set Standard Deviation = 1.29579
Numerator = 175139
Denominator = 187009
W Statistic = 0.936527 = 175139 / 187009

5% Critical value of 0.976 exceeds 0.936527
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.936527
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Sulfate

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	9.22029	275
	5/14/1996	9.22029	276
	5/14/1996	9.22029	277
	5/15/1996	9.29652	288
	5/15/1996	9.29652	289
	5/15/1996	9.29652	290
	5/16/1996	9.278	285
	5/16/1996	9.278	286
	5/16/1996	9.278	287
	5/17/1996	9.24956	281
	5/17/1996	9.24956	282
	5/17/1996	9.24956	283
	11/5/1996	ND<5.94017	59.5
	11/5/1996	ND<5.94017	59.5
	11/5/1996	ND<5.94017	59.5
	4/15/1997	ND<5.94017	59.5
	4/15/1997	ND<5.94017	59.5
	4/15/1997	ND<5.94017	59.5
	10/31/1997	8.89837	254
	10/31/1997	8.89837	255
	10/31/1997	8.89837	256
	6/24/1998	7.59085	178
	6/24/1998	7.59085	179
	6/24/1998	7.59085	180
	12/10/1998	7.83597	196
	12/10/1998	7.83597	197
	12/10/1998	7.83597	198
	5/25/1999	8.11073	216
	5/25/1999	8.11073	217
	5/25/1999	8.11073	218
	11/19/1999	7.69166	188
	11/19/1999	7.69166	189
	11/19/1999	7.69166	190
	5/23/2000	7.83992	199
	5/23/2000	7.83992	200
	5/23/2000	7.83992	201
	12/14/2000	ND<5.94017	59.5
	12/14/2000	ND<5.94017	59.5
	12/14/2000	ND<5.94017	59.5
	6/6/2001	7.40245	168
	6/6/2001	7.40245	169
	6/6/2001	7.40245	170
	11/15/2001	8.60337	241
	11/15/2001	8.60337	242
	11/15/2001	8.60337	243
	6/12/2002	7.97934	209

6/12/2002	7.97934	210
6/12/2002	7.97934	211
11/5/2002	7.83992	202
11/5/2002	7.83992	203
11/5/2002	7.83992	204
6/17/2003	8.44031	237
6/17/2003	8.44031	238
6/17/2003	8.44031	239
12/5/2003	6.69208	140
12/5/2003	6.69208	141
12/5/2003	6.69208	142
6/22/2004	8.34996	228
6/22/2004	8.34996	229
6/22/2004	8.34996	230
10/20/2004	7.9338	206
10/20/2004	7.9338	207
10/20/2004	7.9338	208
6/15/2005	7.37776	167
11/1/2005	7.20042	155
3/17/2006	9.49552	306
9/11/2006	7.29302	160
2/21/2007	9.93305	331
8/14/2007	9.48037	304
2/7/2008	10.1226	335
8/4/2008	9.87303	328
2/19/2009	9.89848	329
8/20/2009	9.85219	326
1/21/2010	9.76996	318
9/7/2010	9.19421	272
1/7/2011	9.64212	311
8/1/2011	9.4572	303
2/24/2012	9.54681	309
8/22/2012	8.85652	252
1/10/2013	9.561	310
8/28/2013	9.50301	307
2/4/2014	9.48037	305
8/7/2014	9.21034	274
2/11/2015	9.18605	267
8/20/2015	9.13346	265
2/17/2016	9.18707	268
2/17/2016	9.18707	269
8/3/2016	9.18502	266
1/12/2017	9.18809	270
7/20/2017	9.20934	273
1/23/2018	9.25913	284
7/12/2018	9.34137	294
2/13/2019	9.08251	263
8/16/2019	9.07108	262
3/17/2020	8.97462	260
8/25/2020	9.12696	264
3/16/2021	10.5558	337
7/26/2021	9.90848	330
3/2/2022	8.99962	261
9/21/2022	9.3147	291
3/9/2023	8.9359	259
7/19/2023	9.44145	301
1/23/2024	10.0168	333

	8/26/2024	9.78132	319
	2/3/2025	9.72913	315
	7/22/2025	9.42545	300
	1/6/2026	9.33256	293
Rank Sum = 25108.5			
Rank Mean = 234.659			
M-17S	5/15/1996	9.23014	278
	5/15/1996	9.23014	279
	5/15/1996	9.23014	280
	11/5/1996	ND<5.94017	59.5
	11/5/1996	ND<5.94017	59.5
	11/5/1996	ND<5.94017	59.5
	4/15/1997	ND<5.94017	59.5
	4/15/1997	ND<5.94017	59.5
	4/15/1997	ND<5.94017	59.5
	10/30/1997	6.67203	137
	10/30/1997	6.67203	138
	10/30/1997	6.67203	139
	6/23/1998	ND<5.94017	59.5
	6/23/1998	ND<5.94017	59.5
	6/23/1998	ND<5.94017	59.5
	12/9/1998	ND<5.94017	59.5
	12/9/1998	ND<5.94017	59.5
	12/9/1998	ND<5.94017	59.5
	5/25/1999	ND<5.94017	59.5
	5/25/1999	ND<5.94017	59.5
	5/25/1999	ND<5.94017	59.5
	11/16/1999	8.77028	248
	11/16/1999	8.77028	249
	11/16/1999	8.77028	250
	5/19/2000	7.30653	162
	5/19/2000	7.30653	163
	5/19/2000	7.30653	164
	12/12/2000	7.45588	172
	12/12/2000	7.45588	173
	12/12/2000	7.45588	174
	6/5/2001	ND<5.94017	59.5
	6/5/2001	ND<5.94017	59.5
	6/5/2001	ND<5.94017	59.5
	11/15/2001	7.60589	181
	11/15/2001	7.60589	182
	11/15/2001	7.60589	183
	6/13/2002	ND<5.94017	59.5
	6/13/2002	ND<5.94017	59.5
	6/13/2002	ND<5.94017	59.5
	11/7/2002	6.12468	120
	11/7/2002	6.12468	121
	11/7/2002	6.12468	122
	6/17/2003	7.00307	150
	6/17/2003	7.00307	151
	6/17/2003	7.00307	152
	12/4/2003	6.24028	123
	12/4/2003	6.24028	124
	12/4/2003	6.24028	125
	6/22/2004	9.81466	322
	6/22/2004	9.81466	323
	6/22/2004	9.81466	324

	10/19/2004	6.36303	126
	10/19/2004	6.36303	127
	10/19/2004	6.36303	128
	6/15/2005	6.75693	147
	11/1/2005	6.06379	119
	3/16/2006	6.74524	146
	9/12/2006	8.15766	223
	2/20/2007	7.22257	156
	8/13/2007	9.3501	295
	2/6/2008	7.71423	193
	8/6/2008	7.63046	184
	2/18/2009	7.29302	161
	8/19/2009	6.64639	136
	1/22/2010	7.68248	187
	9/8/2010	6.83518	149
	1/7/2011	7.5807	177
	8/1/2011	7.70075	192
	2/21/2012	7.66388	186
	8/22/2012	ND<6.90776	59.5
	1/11/2013	8.11672	219
	8/28/2013	7.31322	165
	2/6/2014	7.50659	175
	8/6/2014	ND<6.90776	59.5
	2/12/2015	ND<6.90776	59.5
	8/20/2015	7.57558	176
	2/17/2016	7.98956	213
	2/17/2016	7.98956	214
	8/4/2016	7.98276	212
	1/12/2017	7.82004	194
	7/19/2017	8.3163	227
	1/23/2018	8.45532	240
	7/11/2018	ND<7.49554 J	59.5
	2/13/2019	ND<6.77992 J	59.5
	8/13/2019	ND<7.54961 J	59.5
	3/17/2020	ND<7.6009	59.5
	8/27/2020	ND<6.68461 J	59.5
	3/15/2021	ND<7.24423 J	59.5
	7/27/2021	8.68271	245
	3/3/2022	ND<7.43838 J	59.5
	9/21/2022	8.43381	235
	3/9/2023	ND<8.31874 J	59.5
	7/24/2023	ND<8.51719	59.5
	1/23/2024	8.80986	251
	8/26/2024	ND<8.51719	59.5
	2/3/2025	ND<8.34284 J	59.5
	7/21/2025	8.90924	257
	1/6/2026	9.3147	292
Rank Sum = 14138.5			
Rank Mean = 144.27			
M-23	12/8/1998	7.23706	157
	12/8/1998	7.23706	158
	12/8/1998	7.23706	159
	12/9/1998	ND<5.94017	59.5
	12/9/1998	ND<5.94017	59.5
	12/9/1998	ND<5.94017	59.5
	12/10/1998	ND<5.94017	59.5
	12/10/1998	ND<5.94017	59.5

12/10/1998	ND<5.94017	59.5
12/11/1998	ND<5.94017	59.5
12/11/1998	ND<5.94017	59.5
12/11/1998	ND<5.94017	59.5
5/27/1999	9.37585	296
5/27/1999	9.37585	297
5/27/1999	9.37585	298
5/23/2000	ND<5.94017	59.5
5/23/2000	ND<5.94017	59.5
5/23/2000	ND<5.94017	59.5
11/17/2000	ND<5.94017	59.5
11/17/2000	ND<5.94017	59.5
11/17/2000	ND<5.94017	59.5
12/13/2000	8.38936	231
12/13/2000	8.38936	232
12/13/2000	8.38936	233
6/8/2001	ND<5.94017	59.5
6/8/2001	ND<5.94017	59.5
6/8/2001	ND<5.94017	59.5
11/14/2001	ND<5.94017	59.5
11/14/2001	ND<5.94017	59.5
11/14/2001	ND<5.94017	59.5
6/14/2002	8.14613	220
6/14/2002	8.14613	221
6/14/2002	8.14613	222
11/5/2002	ND<5.94017	59.5
11/5/2002	ND<5.94017	59.5
11/5/2002	ND<5.94017	59.5
6/17/2003	6.71538	143
6/17/2003	6.71538	144
6/17/2003	6.71538	145
12/5/2003	ND<5.94017	59.5
12/5/2003	ND<5.94017	59.5
12/5/2003	ND<5.94017	59.5
6/25/2004	6.63332	133
6/25/2004	6.63332	134
6/25/2004	6.63332	135
10/19/2004	ND<5.94017	59.5
10/19/2004	ND<5.94017	59.5
10/19/2004	ND<5.94017	59.5
6/15/2005	6.62007	132
11/2/2005	6.56526	131
3/16/2006	6.75693	148
9/12/2006	ND<5.94017	59.5
2/22/2007	ND<5.94017	59.5
8/15/2007	6.42972	130
2/6/2008	9.68657	314
8/4/2008	ND<6.90776	59.5
2/18/2009	ND<6.90776	59.5
8/19/2009	6.41346	129
1/21/2010	ND<6.39693	59.5
9/7/2010	ND<6.39693	59.5
1/7/2011	ND<6.39693	59.5
8/1/2011	ND<6.39693	59.5
2/21/2012	ND<6.39693	59.5
8/22/2012	ND<6.90776	59.5
1/11/2013	ND<6.90776	59.5

8/29/2013	ND<6.90776	59.5
2/6/2014	ND<6.90776	59.5
8/6/2014	ND<6.90776	59.5
2/10/2015	ND<6.90776	59.5
8/18/2015	ND<6.90776	59.5
2/17/2016	ND<6.90776	59.5
2/17/2016	ND<6.90776	59.5
8/3/2016	ND<6.87936 J	59.5
1/12/2017	7.12287	154
7/19/2017	7.00307	153
1/23/2018	ND<7.24423 J	59.5
7/11/2018	ND<5.94017	59.5
2/13/2019	ND<7.6009	59.5
8/16/2019	ND<6.49224 J	59.5
3/17/2020	ND<7.6009	59.5
8/25/2020	ND<7.09008 J	59.5
3/16/2021	ND<6.65929 J	59.5
7/26/2021	ND<7.09008 J	59.5
3/2/2022	ND<7.6009	59.5
9/21/2022	8.18869	225
3/9/2023	ND<7.6009	59.5
7/24/2023	ND<7.6009	59.5
1/23/2024	ND<7.6009	59.5
8/26/2024	ND<7.6009	59.5
2/3/2025	ND<7.49554 J	59.5
7/21/2025	ND<7.6009	59.5
1/6/2026	7.43838	171

Rank Sum = 9053
Rank Mean = 98.4022

Background Rank Sum = 48300
Background Rank Mean = 162.626

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	9.19014	271
	8/27/2024	8.64822	244
	2/7/2025	8.90924	258
	7/23/2025	8.43381	236
	1/7/2026	8.16052	224

Rank Sum = 1233
Rank Mean = 246.6

M-24D	1/24/2024	ND<7.6009	59.5
	8/29/2024	ND<7.6009	59.5
	2/5/2025	ND<7.6009	59.5
	7/24/2025	ND<7.6009	59.5
	1/8/2026	ND<6.15273 J	59.5

Rank Sum = 297.5
Rank Mean = 59.5

M-7	1/24/2024	7.64969	185
	8/28/2024	ND<7.54961 J	59.5
	2/4/2025	ND<7.6009	59.5
	7/21/2025	ND<7.6009	59.5
	1/5/2026	7.31322	166

Rank Sum = 529.5
Rank Mean = 105.9

M-8	1/24/2024	7.90101	205
	8/27/2024	8.10168	215
	2/5/2025	7.69621	191
	7/24/2025	ND<7.54961 J	59.5
	1/8/2026	8.21609	226

Rank Sum = 896.5
Rank Mean = 179.3

M-18	1/25/2024	10.0982	334
	8/28/2024	10.2647	336
	2/5/2025	9.44145	302
	7/22/2025	9.74683	316
	1/7/2026	9.39266	299

Rank Sum = 1587
Rank Mean = 317.4

M-9S	1/25/2024	9.53242	308
	8/28/2024	9.64212	312
	2/5/2025	9.76423	317
	7/22/2025	ND<7.6009	59.5
	1/8/2026	9.93789	332

Rank Sum = 1328.5
Rank Mean = 265.7

M-21	1/22/2024	9.85219	327
	8/27/2024	9.78132	320
	2/4/2025	9.81466	325
	7/21/2025	9.78695	321
	1/7/2026	9.66777	313

Rank Sum = 1606
Rank Mean = 321.2

M-19	1/22/2024	7.82405	195
	8/29/2024	8.38936	234
	2/3/2025	8.69951	246
	7/23/2025	8.86785	253
	1/6/2026	8.69951	247

Rank Sum = 1175
Rank Mean = 235

Calculation Results:

Kruskal-Wallis H Statistic = 43.9347
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 45.9053
95% Confidence comparison value is 15.5073 at 8 degrees of freedom
43.9347 > 15.5073 indicating a significant group difference at 5% significance level
45.9053 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

1% Z score is 2.32634
Mean background rank is 162.626

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	246.6	83.9737	102.211

M-24D	59.5	-103.126	102.211
M-7	105.9	-56.7263	102.211
M-8	179.3	16.6737	102.211
M-18	**317.4**	**154.774**	**102.211**
M-9S	**265.7**	**103.074**	**102.211**
M-21	**321.2**	**158.574**	**102.211**
M-19	235	72.3737	102.211

Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213

Mean background rank is 162.626

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	246.6	83.9737	110.374
M-24D	59.5	-103.126	110.374
M-7	105.9	-56.7263	110.374
M-8	179.3	16.6737	110.374
M-18	**317.4**	**154.774**	**110.374**
M-9S	265.7	103.074	110.374
M-21	**321.2**	**158.574**	**110.374**
M-19	235	72.3737	110.374

Shapiro-Francia Test of Normality

Parameter: Copper, total

All Locations

Normality Test of Parameter Concentrations

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 233

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	-5.80914	-2.65209	7.03356	15.4063
2	-5.80914	-2.40892	12.8365	29.4001
3	-5.80914	-2.25713	17.9311	42.5121
4	0.693147	-2.12007	22.4258	41.0426
5	0.693147	-2.03352	26.561	39.6331
6	0.693147	-1.95996	30.4025	38.2745
7	0.693147	-1.8957	33.9961	36.9605
8	0.693147	-1.82501	37.3268	35.6955
9	0.693147	-1.77438	40.4752	34.4656
10	0.693147	-1.72793	43.4609	33.2679
11	0.693147	-1.67466	46.2654	32.1071
12	0.693147	-1.63524	48.9394	30.9737
13	0.693147	-1.59819	51.4936	29.8659
14	0.693147	-1.56322	53.9373	28.7824
15	0.741937	-1.52203	56.2539	27.6531
16	0.832909	-1.49085	58.4765	26.4114
17	0.832909	-1.46106	60.6112	25.1944
18	0.832909	-1.4325	62.6633	24.0013
19	0.916291	-1.39838	64.6187	22.72
20	0.955511	-1.3722	66.5017	21.4088
21	0.955511	-1.34694	68.3159	20.1218
22	0.955511	-1.31652	70.0492	18.8638
23	0.955511	-1.29303	71.7211	17.6283
24	1.02962	-1.27024	73.3346	16.3205
25	1.02962	-1.24809	74.8923	15.0354
26	1.06471	-1.22123	76.3837	13.7352
27	1.06471	-1.20036	77.8246	12.4571
28	1.06471	-1.18	79.217	11.2008
29	1.09861	-1.16012	80.5629	9.92624
30	1.09861	-1.1359	81.8531	8.67833
31	1.09861	-1.11699	83.1008	7.4512
32	1.09861	-1.09847	84.3074	6.2444
33	1.09861	-1.07584	85.4648	5.06248
34	1.09861	-1.05812	86.5845	3.90001
35	1.09861	-1.04073	87.6676	2.75665
36	1.09861	-1.02365	88.7154	1.63205
37	1.09861	-1.00271	89.7209	0.530462
38	1.09861	-0.986272	90.6936	-0.553068
39	1.09861	-0.970094	91.6347	-1.61883
40	1.09861	-0.954165	92.5451	-2.66708
41	1.09861	-0.93459	93.4186	-3.69383
42	1.09861	-0.919183	94.2635	-4.70366
43	1.09861	-0.903992	95.0807	-5.6968
44	1.09861	-0.885291	95.8644	-6.66939
45	1.09861	-0.87055	96.6223	-7.62579
46	1.09861	-0.855996	97.355	-8.56619
47	1.09861	-0.841621	98.0633	-9.49081

48	1.09861	-0.823893	98.7421	-10.3959
49	1.09861	-0.809896	99.3981	-11.2857
50	1.09861	-0.796056	100.032	-12.1603
51	1.09861	-0.782366	100.644	-13.0198
52	1.09861	-0.765456	101.23	-13.8607
53	1.09861	-0.752084	101.795	-14.687
54	1.09861	-0.738846	102.341	-15.4987
55	1.09861	-0.722479	102.863	-16.2924
56	1.09861	-0.709522	103.367	-17.0719
57	1.09861	-0.696684	103.852	-17.8373
58	1.09861	-0.68396	104.32	-18.5887
59	1.09861	-0.668209	104.766	-19.3228
60	1.09861	-0.655726	105.196	-20.0432
61	1.1314	-0.643345	105.61	-20.7711
62	1.1314	-0.631062	106.008	-21.485
63	1.1314	-0.615839	106.388	-22.1818
64	1.1314	-0.603765	106.752	-22.8649
65	1.16315	-0.591776	107.102	-23.5532
66	1.19392	-0.576911	107.435	-24.242
67	1.19392	-0.565108	107.755	-24.9167
68	1.25276	-0.553384	108.061	-25.61
69	1.30833	-0.541736	108.354	-26.3187
70	1.335	-0.52728	108.632	-27.0227
71	1.335	-0.515791	108.898	-27.7112
72	1.335	-0.504372	109.153	-28.3846
73	1.38629	-0.493018	109.396	-29.068
74	1.38629	-0.478914	109.625	-29.732
75	1.38629	-0.467699	109.844	-30.3803
76	1.38629	-0.456542	110.052	-31.0132
77	1.38629	-0.442676	110.248	-31.6269
78	1.38629	-0.431644	110.435	-32.2253
79	1.38629	-0.420664	110.612	-32.8085
80	1.38629	-0.409735	110.78	-33.3765
81	1.38629	-0.396142	110.936	-33.9256
82	1.38629	-0.385321	111.085	-34.4598
83	1.38629	-0.374544	111.225	-34.979
84	1.43508	-0.363809	111.358	-35.5011
85	1.60944	-0.350451	111.48	-36.0652
86	1.60944	-0.33981	111.596	-36.6121
87	1.60944	-0.329206	111.704	-37.1419
88	1.60944	-0.316004	111.804	-37.6505
89	1.60944	-0.305481	111.897	-38.1421
90	1.60944	-0.294992	111.984	-38.6169
91	1.60944	-0.284535	112.065	-39.0749
92	1.60944	-0.271509	112.139	-39.5118
93	1.60944	-0.26112	112.207	-39.9321
94	1.60944	-0.250759	112.27	-40.3357
95	1.60944	-0.240426	112.328	-40.7226
96	1.60944	-0.227545	112.38	-41.0888
97	1.60944	-0.217267	112.427	-41.4385
98	1.60944	-0.207012	112.47	-41.7717
99	1.60944	-0.194225	112.508	-42.0843
100	1.60944	-0.184017	112.541	-42.3805
101	1.60944	-0.173829	112.572	-42.6602
102	1.60944	-0.163659	112.598	-42.9236
103	1.60944	-0.150969	112.621	-43.1666
104	1.60944	-0.140835	112.641	-43.3933

105	1.60944	-0.130716	112.658	-43.6036
106	1.60944	-0.12061	112.673	-43.7978
107	1.60944	-0.107995	112.684	-43.9716
108	1.60944	-0.0979139	112.694	-44.1292
109	1.60944	-0.0878447	112.702	-44.2705
110	1.60944	-0.0752698	112.707	-44.3917
111	1.60944	-0.0652187	112.712	-44.4966
112	1.60944	-0.0551734	112.715	-44.5854
113	1.60944	-0.0451348	112.717	-44.6581
114	1.60944	-0.0325917	112.718	-44.7105
115	1.60944	-0.0225612	112.718	-44.7468
116	1.60944	-0.0125328	112.718	-44.767
117	1.60944	0	112.718	-44.767
118	1.60944	0.0125328	112.719	-44.7468
119	1.60944	0.0225612	112.719	-44.7105
120	1.60944	0.0325917	112.72	-44.6581
121	1.60944	0.0451348	112.722	-44.5854
122	1.60944	0.0551734	112.725	-44.4966
123	1.60944	0.0652187	112.729	-44.3917
124	1.60944	0.0752698	112.735	-44.2705
125	1.60944	0.0878447	112.743	-44.1292
126	1.60944	0.0979139	112.752	-43.9716
127	1.60944	0.107995	112.764	-43.7978
128	1.60944	0.12061	112.779	-43.6036
129	1.60944	0.130716	112.796	-43.3933
130	1.60944	0.140835	112.816	-43.1666
131	1.60944	0.150969	112.838	-42.9236
132	1.66771	0.163659	112.865	-42.6507
133	1.70475	0.173829	112.895	-42.3544
134	1.72277	0.184017	112.929	-42.0373
135	1.72277	0.194225	112.967	-41.7027
136	1.72277	0.207012	113.01	-41.3461
137	1.72277	0.217267	113.057	-40.9718
138	1.72277	0.227545	113.109	-40.5798
139	1.72277	0.240426	113.167	-40.1656
140	1.72277	0.250759	113.229	-39.7336
141	1.72277	0.26112	113.298	-39.2837
142	1.72277	0.271509	113.371	-38.816
143	1.72277	0.284535	113.452	-38.3258
144	1.72277	0.294992	113.539	-37.8176
145	1.72277	0.305481	113.633	-37.2913
146	1.72277	0.316004	113.732	-36.7469
147	1.72277	0.329206	113.841	-36.1798
148	1.72277	0.33981	113.956	-35.5944
149	1.72277	0.350451	114.079	-34.9906
150	1.72277	0.363809	114.211	-34.3639
151	1.72277	0.374544	114.352	-33.7186
152	1.72277	0.385321	114.5	-33.0548
153	1.72277	0.396142	114.657	-32.3723
154	1.72277	0.409735	114.825	-31.6665
155	1.72277	0.420664	115.002	-30.9418
156	1.72277	0.431644	115.188	-30.1981
157	1.72277	0.442676	115.384	-29.4355
158	1.72277	0.456542	115.593	-28.649
159	1.72277	0.467699	115.811	-27.8433
160	1.72277	0.478914	116.041	-27.0182
161	1.72277	0.493018	116.284	-26.1688

162	1.72277	0.504372	116.538	-25.2999
163	1.72277	0.515791	116.804	-24.4113
164	1.72277	0.52728	117.082	-23.503
165	1.72277	0.541736	117.376	-22.5697
166	1.72277	0.553384	117.682	-21.6163
167	1.72277	0.565108	118.001	-20.6428
168	1.72277	0.576911	118.334	-19.6489
169	1.72277	0.591776	118.684	-18.6294
170	1.72277	0.603765	119.049	-17.5893
171	1.72277	0.615839	119.428	-16.5283
172	1.72277	0.631062	119.826	-15.4411
173	1.72277	0.643345	120.24	-14.3328
174	1.72277	0.655726	120.67	-13.2031
175	1.72277	0.668209	121.117	-12.052
176	1.72277	0.68396	121.585	-10.8737
177	1.72277	0.696684	122.07	-9.67344
178	1.72277	0.709522	122.573	-8.4511
179	1.72277	0.722479	123.095	-7.20644
180	1.72277	0.738846	123.641	-5.93358
181	1.72277	0.752084	124.207	-4.63791
182	1.72277	0.765456	124.793	-3.31921
183	1.72277	0.782366	125.405	-1.97138
184	1.72277	0.796056	126.039	-0.599959
185	1.72277	0.809896	126.695	0.795303
186	1.79176	0.823893	127.373	2.27152
187	1.79176	0.841621	128.082	3.7795
188	1.94591	0.855996	128.814	5.4452
189	1.94591	0.87055	129.572	7.13921
190	1.94591	0.885291	130.356	8.8619
191	1.94591	0.903992	131.173	10.621
192	1.94591	0.919183	132.018	12.4096
193	1.94591	0.93459	132.892	14.2283
194	2.0149	0.954165	133.802	16.1508
195	2.0149	0.970094	134.743	18.1055
196	2.07944	0.986272	135.716	20.1564
197	2.07944	1.00271	136.721	22.2414
198	2.07944	1.02365	137.769	24.3701
199	2.07944	1.04073	138.852	26.5342
200	2.19722	1.05812	139.972	28.8591
201	2.28238	1.07584	141.129	31.3146
202	2.30259	1.09847	142.336	33.8439
203	2.30259	1.11699	143.584	36.4159
204	2.3979	1.1359	144.874	39.1396
205	2.3979	1.16012	146.22	41.9215
206	2.3979	1.18	147.612	44.751
207	2.48491	1.20036	149.053	47.7338
208	2.5177	1.22123	150.544	50.8085
209	2.5177	1.24809	152.102	53.9508
210	2.56495	1.27024	153.716	57.2089
211	2.56495	1.29303	155.388	60.5254
212	2.56495	1.31652	157.121	63.9022
213	2.77259	1.34694	158.935	67.6367
214	2.77259	1.3722	160.818	71.4413
215	2.94444	1.39838	162.773	75.5587
216	2.99573	1.4325	164.825	79.8501
217	3.03975	1.46106	166.96	84.2914
218	3.03975	1.49085	169.183	88.8232

219	3.12236	1.52203	171.499	93.5756
220	3.12236	1.56322	173.943	98.4565
221	3.17805	1.59819	176.497	103.536
222	3.29584	1.63524	179.171	108.925
223	3.29584	1.67466	181.976	114.445
224	3.29584	1.72793	184.962	120.139
225	3.3322	1.77438	188.11	126.052
226	3.3322	1.82501	191.441	132.133
227	3.3673	1.8957	195.034	138.517
228	3.4012	1.95996	198.876	145.183
229	3.4012	2.03352	203.011	152.099
230	3.63759	2.12007	207.506	159.811
231	4.04305	2.25713	212.6	168.937
232	4.60517	2.40892	218.403	180.03
233	5.07517	2.65209	225.437	193.49

Data Set Standard Deviation = 1.08928
Numerator = 37438.5
Denominator = 62056.9
W Statistic = 0.603293 = 37438.5 / 62056.9

5% Critical value of 0.976 exceeds 0.603293
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.603293
Evidence of non-normality at 99% level of significance

Kruskal-Wallis Non-Parametric Test

Parameter: Copper, total

Natural Logarithm Transformation

Non-Detects Replaced with Detection Limit

Kruskal Wallis Ranks

Background Locations

Loc. ID	Date	Value	Rank
M-12	5/14/1996	ND<1.09861	84
	5/15/1996	1.94591	189
	5/16/1996	ND<1.09861	84
	5/17/1996	2.07944	197
	11/5/1996	ND<1.09861	84
	4/15/1997	ND<1.09861	84
	10/31/1997	ND<1.09861	84
	6/24/1998	ND<1.09861	84
	12/10/1998	1.09861	169
	5/25/1999	1.09861	170
	11/19/1999	ND<1.09861	84
	5/23/2000	1.09861	171
	12/14/2000	ND<1.09861	84
	6/6/2001	ND<1.09861	84
	11/15/2001	1.38629	178
	6/12/2002	1.09861	172
	11/5/2002	4.04305	231
	6/17/2003	1.09861	173
	12/5/2003	ND<1.09861	84
	6/22/2004	1.09861	174
	10/20/2004	2.56495	210
	6/15/2005	1.60944	180
	6/15/2005	1.60944	181
	6/15/2005	1.60944	182
	11/1/2005	ND<1.09861	84
	3/17/2006	2.94444	215
	9/11/2006	1.94591	190
	2/21/2007	1.60944	183
	8/14/2007	2.3979	204
	2/7/2008	0.693147	168
	8/4/2008	ND<0.693147	84
	2/19/2009	ND<0.693147	84
	8/20/2009	ND<1.60944	84
	1/21/2010	ND<1.60944	84
	9/7/2010	ND<1.60944	84
	1/7/2011	ND<1.60944	84
	8/1/2011	2.07944	198
	2/24/2012	ND<1.60944	84
	8/22/2012	ND<1.60944	84
	1/10/2013	ND<1.60944	84
	8/28/2013	ND<1.60944	84
	2/4/2014	ND<1.60944	84
	8/7/2014	ND<1.60944	84
	2/11/2015	ND<1.60944	84
	8/20/2015	ND<1.60944	84
	2/17/2016	2.5177	208

	2/17/2016	2.5177	209
	8/3/2016	ND<1.38629	84
	1/12/2017	ND<1.38629	84
	7/20/2017	ND<1.38629	84
	1/23/2018	ND<1.335 J	84
	7/12/2018	2.0149	195
	2/13/2019	ND<2.30259	84
	8/16/2019	ND<1.72277	84
	3/17/2020	ND<1.72277	84
	8/25/2020	ND<1.72277	84
	3/16/2021	ND<1.43508 J	84
	7/26/2021	ND<1.72277 J	84
	3/2/2022	ND<1.335 J	84
	9/21/2022	ND<0.955511 J	84
	3/9/2023	ND<0.832909 J	84
	7/19/2023	ND<1.1314 J	84
	1/23/2024	ND<1.1314 J	84
	8/26/2024	ND<0.955511 J	84
	2/3/2025	ND<1.1314 J	84
	7/22/2025	ND<0.832909 J	84
	1/6/2026	ND<0.955511 J	84
Rank Sum = 8043			
Rank Mean = 120.045			
M-17S	5/15/1996	3.29584	222
	11/5/1996	ND<1.09861	84
	4/15/1997	ND<1.09861	84
	10/30/1997	ND<1.09861	84
	6/23/1998	1.09861	175
	12/9/1998	ND<1.09861	84
	5/25/1999	2.3979	205
	11/16/1999	2.07944	199
	5/19/2000	ND<1.09861	84
	12/12/2000	1.38629	179
	6/5/2001	ND<1.09861	84
	11/15/2001	1.94591	191
	6/13/2002	1.60944	184
	11/7/2002	ND<1.09861	84
	6/17/2003	2.30259	203
	12/4/2003	1.09861	176
	6/22/2004	ND<1.09861	84
	10/19/2004	1.60944	185
	6/15/2005	1.94591	192
	6/15/2005	1.94591	193
	6/15/2005	1.94591	194
	11/1/2005	ND<1.09861	84
	3/16/2006	1.79176	187
	9/12/2006	ND<1.60944	84
	2/20/2007	1.79176	188
	8/13/2007	ND<1.60944	84
	2/6/2008	ND<0.693147	84
	8/6/2008	ND<0.693147	84
	2/18/2009	ND<0.693147	84
	8/19/2009	ND<1.60944	84
	1/22/2010	ND<1.60944	84
	9/8/2010	ND<1.60944	84
	1/7/2011	ND<1.60944	84
	8/1/2011	ND<1.60944	84

	2/21/2012	ND<1.60944	84
	8/22/2012	ND<1.60944	84
	1/11/2013	ND<1.60944	84
	8/28/2013	ND<1.60944	84
	2/6/2014	ND<1.60944	84
	8/6/2014	ND<1.60944	84
	2/12/2015	ND<1.60944	84
	8/20/2015	ND<1.60944	84
	2/17/2016	3.12236	219
	2/17/2016	3.12236	220
	8/4/2016	ND<1.38629	84
	1/12/2017	ND<1.38629	84
	7/19/2017	ND<1.38629	84
	1/23/2018	2.77259	213
	7/11/2018	2.28238	202
	2/13/2019	ND<0.741937 J	84
	8/13/2019	ND<1.02962 J	84
	3/17/2020	ND<1.06471 J	84
	8/27/2020	ND<1.30833 J	84
	3/15/2021	ND<1.72277	84
	7/27/2021	4.60517	232
	3/3/2022	ND<1.72277	84
	9/21/2022	ND<1.72277	84
	3/9/2023	ND<0.955511 J	84
	7/24/2023	ND<1.72277	84
	1/23/2024	2.0149	196
	8/26/2024	ND<1.72277	84
	2/3/2025	ND<1.19392 J	84
	7/21/2025	ND<1.19392 J	84
	1/6/2026	ND<0.916291 J	84

Rank Sum = 7767

Rank Mean = 121.359

M-23	12/8/1998	3.4012	228
	12/9/1998	3.29584	223
	12/10/1998	3.63759	230
	12/11/1998	5.07517	233
	5/27/1999	2.77259	214
	5/23/2000	3.4012	229
	11/17/2000	3.29584	224
	12/13/2000	1.09861	177
	6/8/2001	3.3673	227
	11/14/2001	3.3322	225
	6/14/2002	3.17805	221
	11/5/2002	2.19722	201
	6/17/2003	2.56495	211
	12/5/2003	3.3322	226
	6/25/2004	2.48491	207
	10/19/2004	ND<1.09861	84
	6/15/2005	ND<-5.80914	84
	6/15/2005	ND<-5.80914	84
	6/15/2005	ND<-5.80914	84
	11/2/2005	2.3979	206
	3/16/2006	ND<1.09861	84
	9/12/2006	2.07944	200
	2/22/2007	ND<1.60944	84
	8/15/2007	2.99573	216
	2/6/2008	ND<0.693147	84

8/4/2008	ND<0.693147	84
2/18/2009	ND<0.693147	84
8/19/2009	ND<1.60944	84
1/21/2010	ND<1.60944	84
9/7/2010	ND<1.60944	84
1/7/2011	ND<1.60944	84
8/1/2011	ND<1.60944	84
2/21/2012	ND<1.60944	84
8/22/2012	ND<1.60944	84
1/11/2013	ND<1.60944	84
8/29/2013	ND<1.60944	84
2/6/2014	ND<1.60944	84
8/6/2014	ND<1.60944	84
2/10/2015	1.60944	186
8/18/2015	ND<1.60944	84
2/17/2016	3.03975	217
2/17/2016	3.03975	218
8/3/2016	ND<1.38629	84
1/12/2017	ND<1.38629	84
7/19/2017	ND<1.38629	84
1/23/2018	ND<1.09861 J	84
7/11/2018	2.56495	212
2/13/2019	ND<0.693147 J	84
8/16/2019	ND<1.72277	84
3/17/2020	ND<1.72277	84
8/25/2020	ND<0.832909 J	84
3/16/2021	ND<1.72277	84
7/26/2021	ND<1.66771 J	84
3/2/2022	ND<1.02962 J	84
9/21/2022	ND<1.72277	84
3/9/2023	ND<1.72277	84
7/24/2023	ND<1.72277	84
1/23/2024	ND<1.72277	84
8/26/2024	ND<1.72277	84
2/3/2025	ND<1.70475 J	84
7/21/2025	ND<1.72277	84
1/6/2026	ND<1.72277	84

Rank Sum = 8091
Rank Mean = 130.5

Background Rank Sum = 23901
Background Rank Mean = 123.839

Compliance Locations

Loc. ID	Date	Value	Rank
M-11S	1/24/2024	ND<1.72277	84
	8/27/2024	ND<1.72277	84
	2/7/2025	ND<1.72277	84
	7/23/2025	ND<1.72277	84
	1/7/2026	ND<1.72277	84

Rank Sum = 420
Rank Mean = 84

M-24D	1/24/2024	ND<1.335 J	84
	8/29/2024	ND<1.06471 J	84
	2/5/2025	ND<1.16315 J	84

	7/24/2025	ND<1.25276 J	84
	1/8/2026	ND<1.1314 J	84

Rank Sum = 420
Rank Mean = 84

M-7	1/24/2024	ND<1.72277	84
	8/28/2024	ND<1.72277	84
	2/4/2025	ND<0.693147 J	84
	7/21/2025	ND<1.72277	84
	1/5/2026	ND<1.72277	84

Rank Sum = 420
Rank Mean = 84

M-8	1/24/2024	ND<1.72277	84
	8/27/2024	ND<1.72277	84
	2/5/2025	ND<1.72277	84
	7/24/2025	ND<1.72277	84
	1/8/2026	ND<1.72277	84

Rank Sum = 420
Rank Mean = 84

M-18	1/25/2024	ND<1.72277	84
	8/28/2024	ND<1.72277	84
	2/5/2025	ND<1.72277	84
	7/22/2025	ND<1.72277	84
	1/7/2026	ND<1.72277	84

Rank Sum = 420
Rank Mean = 84

M-9S	1/25/2024	ND<1.72277	84
	8/28/2024	ND<1.72277	84
	2/5/2025	ND<1.72277	84
	7/22/2025	ND<1.72277	84
	1/8/2026	ND<1.72277	84

Rank Sum = 420
Rank Mean = 84

M-21	1/22/2024	ND<1.72277	84
	8/27/2024	ND<1.72277	84
	2/4/2025	ND<1.72277	84
	7/21/2025	ND<1.72277	84
	1/7/2026	ND<1.72277	84

Rank Sum = 420
Rank Mean = 84

M-19	1/22/2024	ND<1.72277	84
	8/29/2024	ND<1.72277	84
	2/3/2025	ND<1.06471 J	84
	7/23/2025	ND<1.72277	84
	1/6/2026	ND<1.72277	84

Rank Sum = 420
Rank Mean = 84

Calculation Results:

Kruskal-Wallis H Statistic = 11.5743
Kruskal-Wallis H Statistic (adjusted for tied non-detects) = 18.3194

95% Confidence comparison value is 15.5073 at 8 degrees of freedom
11.5743 < 15.5073 indicating no significant group difference at 5% significance level
18.3194 > 15.5073 indicating a significant group difference at 5% significance level when adjusted for ties

Individual Well Comparisons at 1% Significance Level per Comparison

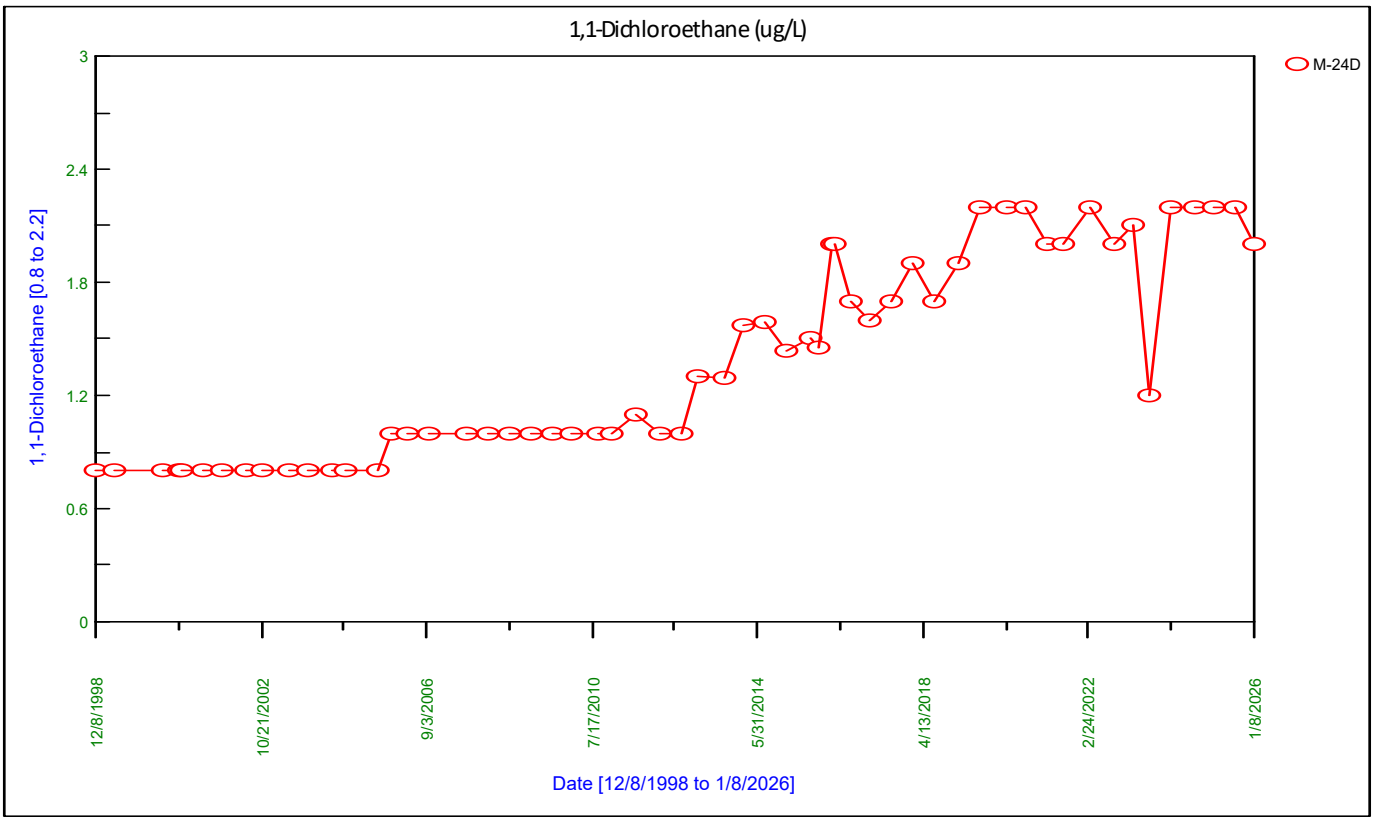
1% Z score is 2.32634
Mean background rank is 123.839

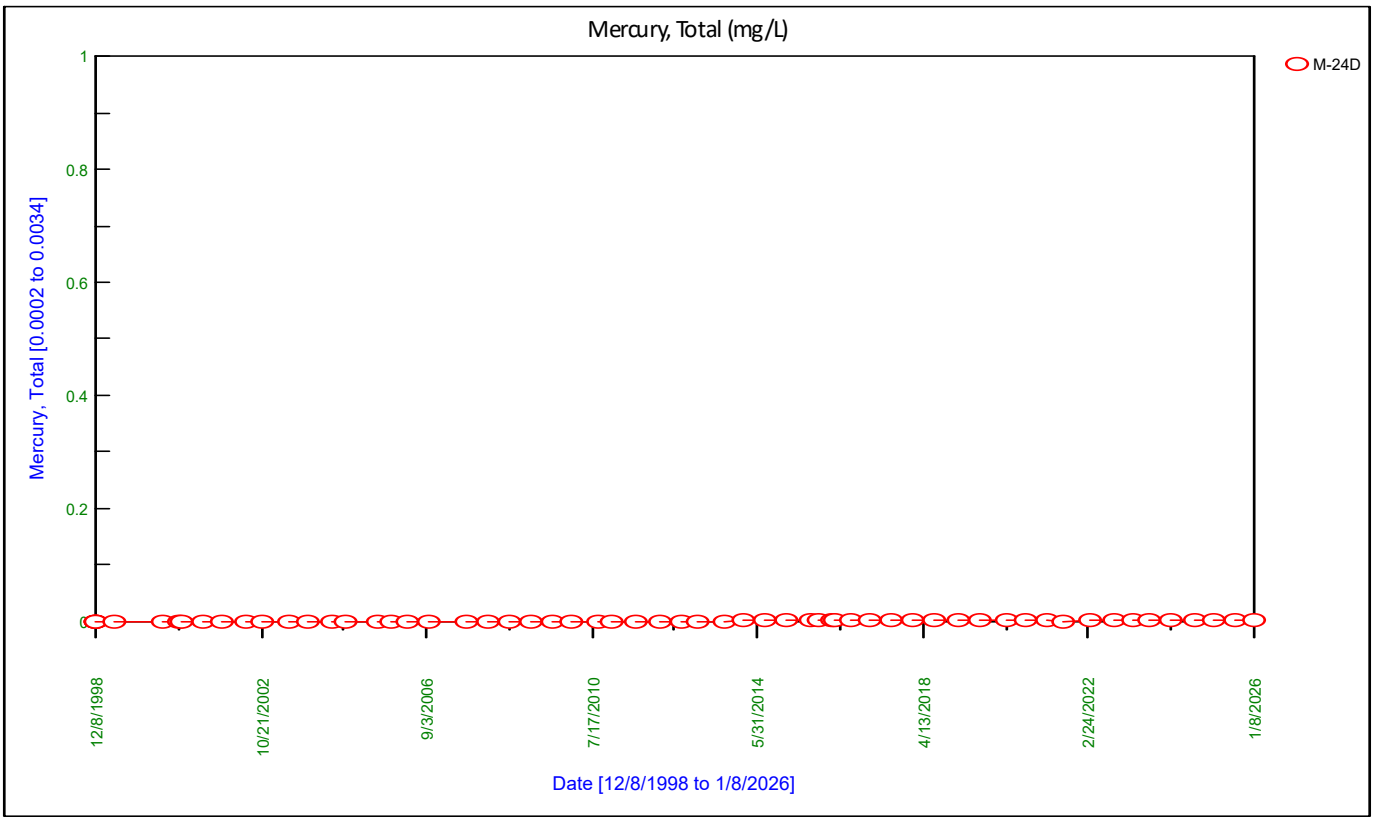
Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	84	-39.8394	71.0293
M-24D	84	-39.8394	71.0293
M-7	84	-39.8394	71.0293
M-8	84	-39.8394	71.0293
M-18	84	-39.8394	71.0293
M-9S	84	-39.8394	71.0293
M-21	84	-39.8394	71.0293
M-19	84	-39.8394	71.0293

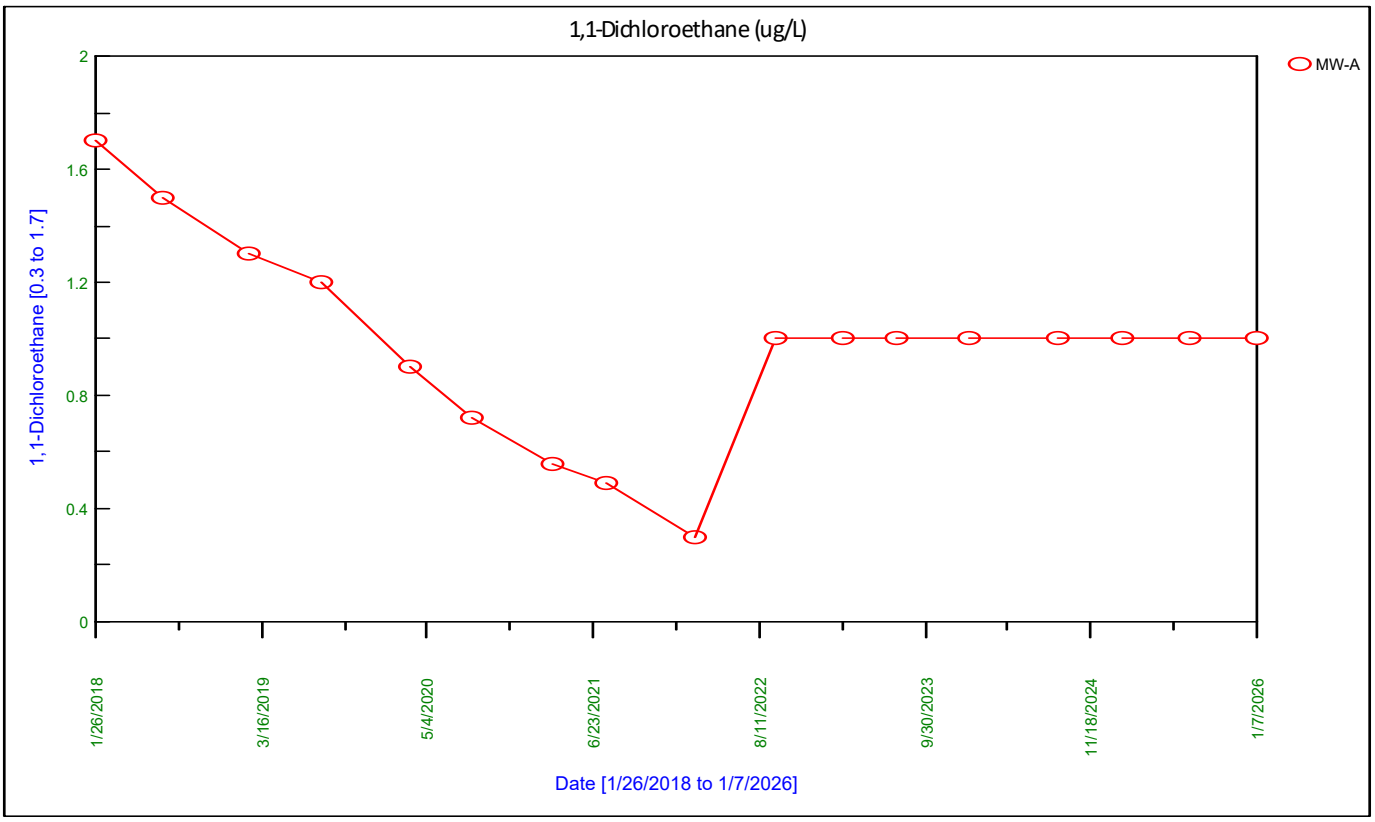
Individual Well Comparisons at Groupwise 5% Significance Level (0.625% Significance Level per comparison)

0.625% Z score is 2.51213
Mean background rank is 123.839

Well	Mean Rank	Dif from Bkg	Critical Value
M-11S	84	-39.8394	76.702
M-24D	84	-39.8394	76.702
M-7	84	-39.8394	76.702
M-8	84	-39.8394	76.702
M-18	84	-39.8394	76.702
M-9S	84	-39.8394	76.702
M-21	84	-39.8394	76.702
M-19	84	-39.8394	76.702


1,1-Dichloroethane (ug/L)
M-24D
1,1-Dichloroethane [0.8 to 2.2]
3
2.4
1.8
1.2
0.6
0
12/8/1998
10/21/2002
9/3/2006
7/17/2010
5/31/2014
4/13/2018
2/24/2022
1/8/2026
Date [12/8/1998 to 1/8/2026]


Mercury, Total (mg/L)
M-24D
Mercury, Total [0.0002 to 0.0034]
1
0.8
0.6
0.4
0.2
0
12/8/1998
10/21/2002
9/3/2006
7/17/2010
5/31/2014
4/13/2018
2/24/2022
1/8/2026
Date [12/8/1998 to 1/8/2026]


1,1-Dichloroethane (ug/L)
MW-A
1,1-Dichloroethane [0.3 to 1.7]
2
1.6
1.2
0.8
0.4
0
1/26/2018
3/16/2019
5/4/2020
6/23/2021
8/11/2022
9/30/2023
11/18/2024
1/7/2026
Date [1/26/2018 to 1/7/2026]

Appendix D

Landfill Gas Data

January 28, 2026
File No. 07223006.02

Sent Via Email on 01/29/2026

Mr. Cliff Engle
Bureau of Solid Waste
Carroll County Department of Public Works
225 N. Center St., Room 221
Westminster, MD 21157-5194

Subject: First Quarter 2026 Landfill Gas (LFG) Probe Monitoring Data for Northern Landfill, Carroll County, Maryland

Dear Cliff:

SCS Field Services (SCS-FS) presents this report to the Carroll County Bureau of Solid Waste for the First Quarter 2026 landfill gas (LFG) monitoring event at the subject landfill. The monitoring was conducted on January 2, 2026, as part of our LFG compliance services at the landfill. A Landtec GEM 5000 infrared gas analyzer was used to monitor the compliance monitoring probes. Each probe was monitored for the following parameters:

- Methane
- Carbon Dioxide
- Oxygen
- Balance Gas (typically nitrogen in LFG)
- Static Pressure

There was no detection of methane at any of the tested landfill probes. The testing results are presented in Table 1 (attached).

SCS-FS appreciates the opportunity to provide our services. Please contact either of the undersigned should you require further information or assistance.

Sincerely,

William Jacks, Jr.
OM&M Superintendent
SCS Field Services

Austin Wubbe
Project Manager
SCS Field Services

cc: Sean Sullivan, SCS Engineers

Enclosures

Table 1. Northern Landfill - Monitoring Probes Data - 01/01/2026 to 01/31/2026

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
PS-04	1/2/2026 09:22	0.0	2.9	19.0	78.1	0.04	
PS-05	1/2/2026 09:31	0.0	3.4	18.5	78.1	0.06	
PS-06	1/2/2026 09:37	0.0	3.2	20.2	76.6	0.04	
PS-07	1/2/2026 08:55	0.0	4.8	14.0	81.2	0.03	
PS-08	1/2/2026 09:04	0.0	0.6	19.5	79.9	0.04	
PS-09	1/2/2026 09:10	0.0	2.1	19.8	78.1	0.05	
Oxygen Calibration	1/2/2026 05:47	49.9	35.0	0.0	15.1		
Oxygen Calibration	1/2/2026 05:50	15.0	15.0	0.0	70.0		
Oxygen Calibration	1/2/2026 05:52	0.0	0.0	20.9	79.1		

Technician/Weather

Field Technician	Record Date	Barometric Pressure	Ambient Temp	Wind Speed	Wind Direction	General Weather	
WILLIAM JACKS	1/2/2026	28.8	24	3	S	Cloudy	

SCS FIELD SERVICES DAILY LOG

JOB NO. 07223006.02 **TASK NO.** 1 **DATE** 01/02/2026 **PROJECT NAME** Northern Landfill

TEMP 24 Degrees F **WEATHER** Cloudy **B.P.** 28.76 R **WIND** S @ 3 mph

SCS-FS LABOR	HOURS	OT		HOURS	OT	
William Jacks	8					
			DAILY TOTAL			

EQUIP, SVCS, , MLG	QTY	UNITS		QTY	UNITS	
TOOL TRUCK	1					
GEM 5000	1					
ATV	1					

INSTRUMENT CALIBRATION (CAL. GAS)							
MODEL	S/N	CH4 (%-VOL)	CH4 (%-LEL)	02 LOW SCALE %-VOL)	CO2 (%-VOL)	H2S (PPM)	
GEM 5000	394	49.9		20.9	35.0		

SUMMARY

Arrived onsite and calibrated the GEM 5000.

Upon arrival, the flare was operating and remained operational for the duration of the monitoring event.

SCS-FS drained liquid from the Knock-Out Pot draining assembly. The air compressor is operating properly.

A visual evaluation of the landfill cover and outfalls was conducted and no issues were found.

SCS-FS conducted monthly monitoring of the landfill extraction wells, replacing three missing test barb caps and 5 quick connect dust caps

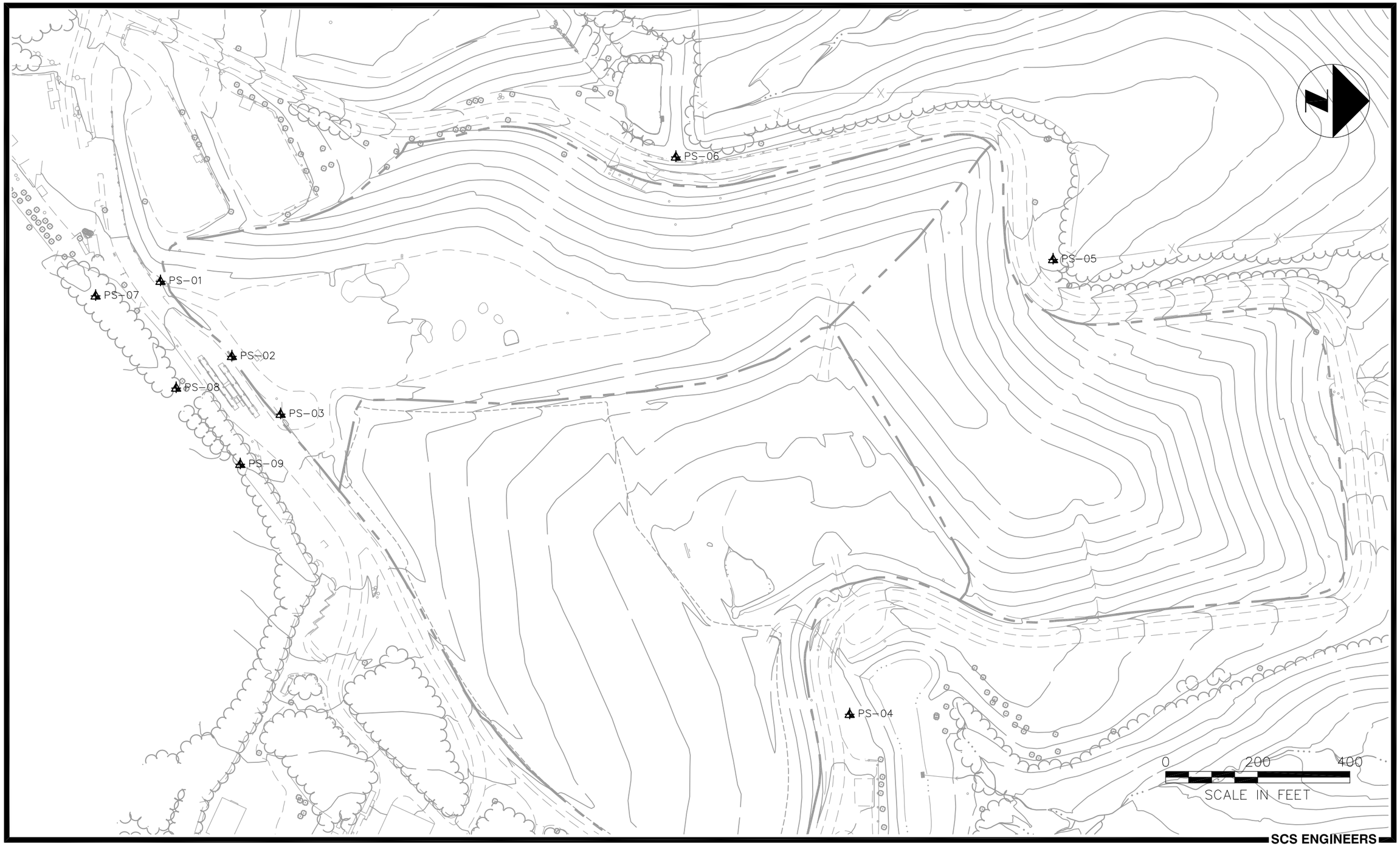
SCS-FS completed the 1st Quarter perimeter probe monitoring and all probes were free from methane.

Numerous orifice plate wells were found that condensate that frozen in the orifice, restricting flow to the well and higher differentials.

PREPARED BY: William Jacks ACCEPTED BY: _____

I understand that when performing a one person job assignment, I am acting as my own supervisor.

DRAWN BY: KCO DATE: 10.06.16 FILE NAME: 02203023.46/AB MASTERPLAN



NORTHERN LANDFILL GROUND PROBES

April 29, 2026
File No. 07223006.02

Sent Via Email on 04/29/2026

Mr. Cliff Engle
Bureau of Solid Waste
Carroll County Department of Public Works
225 N. Center St., Room 221
Westminster, MD 21157-5194

Subject: Second Quarter 2026 Landfill Gas (LFG) Probe Monitoring Data for Northern Landfill, Carroll County, Maryland

Dear Cliff:

SCS Field Services (SCS-FS) presents this report to the Carroll County Bureau of Solid Waste for the Second Quarter 2026 landfill gas (LFG) monitoring event at the subject landfill. The monitoring was conducted on April 7, 2026, as part of our LFG compliance services at the landfill. A Landtec GEM 5000 infrared gas analyzer was used to monitor the compliance monitoring probes. Each probe was monitored for the following parameters:

- Methane
- Carbon Dioxide
- Oxygen
- Balance Gas (typically nitrogen in LFG)
- Static Pressure

There was no detection of methane at any of the tested landfill probes. The testing results are presented in Table 1 (attached).

SCS-FS appreciates the opportunity to provide our services. Please contact either of the undersigned should you require further information or assistance.

Sincerely,

William Jacks, Jr.
OM&M Senior Superintendent
SCS Field Services

Austin Wubbe
Project Manager
SCS Field Services

cc: Sean Sullivan, SCS Engineers

Enclosures

Table 1. Northern Landfill - Monitoring Probes Data - 04/01/2026 to 04/30/2026

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
PS-04	4/7/2026 09:14	0.0	1.5	18.1	80.4	0.04	
PS-05	4/7/2026 09:23	0.0	1.1	19.7	79.2	0.05	
PS-06	4/7/2026 09:31	0.0	2.7	17.2	80.1	-0.01	
PS-07	4/7/2026 08:51	0.0	7.5	13.4	79.1	0.04	
PS-08	4/7/2026 08:57	0.0	2.7	20.0	77.3	0.05	
PS-09	4/7/2026 09:03	0.0	0.9	20.9	78.2	-0.04	
Calibration							
Oxygen Calibration	4/7/2026 06:10	49.9	35.2	0.0	14.9		
Oxygen Calibration	4/7/2026 06:12	15.0	15.0	0.0	70.0		
Oxygen Calibration	4/7/2026 06:14	0.0	0.4	20.9	78.7		
Technician/Weather							
Field Technician	**Record Date**	**Barometric Pressure**	**Ambient Temp**	**Wind Speed**	**Wind Direction**	**General Weather**	
WILLIAM JACKS	4/7/2026	29.1	46	17	NW	Clear	

SCS FIELD SERVICES DAILY LOG

JOB NO. 07223006.02 **TASK NO.** 1 **DATE** 04/07/2025 **PROJECT NAME** Northern Landfill

TEMP 46 Degrees F **WEATHER** Clear **B.P.** 29.13 R **WIND** NW @ 17 mph

SCS-FS LABOR	HOURS	OT		HOURS	OT	
William Jacks	8					
			DAILY TOTAL			

EQUIP, SVCS, , MLG	QTY	UNITS		QTY	UNITS	
TOOL TRUCK	1					
GEM 5000	1					
ATV	1					

INSTRUMENT CALIBRATION (CAL. GAS)							
MODEL	S/N	CH4 (%-VOL)	CH4 (%-LEL)	02 LOW SCALE %-VOL)	CO2 (%-VOL)	H2S (PPM)	
GEM 5000	394	49.9		20.9	35.2		

SUMMARY

Arrived onsite and calibrated the GEM 5000.

Upon arrival, the flare was operating and remained operational for the duration of the monitoring event.

SCS-FS drained condensate from the knockout pot, flare flame arrestor and flare stack and drained the BFS air compressor.

A visual evaluation of the landfill cover and outfalls was conducted and no issues were found.

SCS-FS conducted monthly monitoring of the landfill extraction wells, replacing ten test barb caps

SCS-FS conducted the 2nd Quarter probe monitoring. No methane was detected in any probes.

SCS-FS conducted vegetation control and landfill wells, probes and at the flare station.

PREPARED BY: William Jacks ACCEPTED BY: _____

I understand that when performing a one person job assignment, I am acting as my own supervisor.

Appendix E

PFAS Hazard Index

Hazard Index Values

Northern Landfill

225 Season						
	PFNA	PFHxS	Gen X (HFPO-DA)	PFBS	**Hazard Index**	**Annual Average**
M-3	0	0	0	2.09	**0.00**	**0.04**
M-4	0	0	0	0	**0.00**	**0.00**
M-6	0	0	0	0	**0.00**	**0.00**
M-7	0	0	0	0	**0.00**	**0.00**
M-8	0	1.68	0	2.35	**0.17**	**0.26**
M-9S	1.74	2.43	0	11.2	**0.42**	**0.43**
M-11D	0	7.74	0	1.76	**0.77**	**0.76**
M-11S	0	11.1	0	1.92	**1.11**	**1.06**
M-12	0	0	0	0	**0.00**	**0.06**
M-14	0	0	0	0	**0.00**	**0.00**
M-15	0	0	0	0	**0.00**	**0.04**
M-17DR	0	0	0	2.5	**0.00**	**0.00**
M-17S	0	0	0	3.43	**0.00**	**0.00**
M-18	0	0	0	2.76	**0.00**	**0.06**
M-19	0	2.25	0	4.24	**0.23**	**0.28**
M-21	0	4.3	0	0	**0.43**	**0.45**
M-22	0	7.09	0	1.64	**0.71**	**0.60**
M-23	0	0	0	2.64	**0.00**	**0.03**
M-24D	0	8.58	0	4.69	**0.86**	**0.81**
M-50	0	0	0	0	**0.00**	**0.00**
M-51	0	0	0	0	**0.00**	**0.00**
M-52	0	0	0	0	**0.00**	**0.00**
M-53	0	0	0	0	**0.00**	**0.00**
M-54	0	0	0	0	**0.00**	**0.00**
M-55	0	0	0	0	**0.00**	**0.00**
M-56	0	0	0	0	**0.00**	**0.00**
M-57	0	0	0	0	**0.00**	**0.00**
M-58	0	0	0	0	**0.00**	**0.00**
M-59	0	0	0	0	**0.00**	**0.00**
M-60	0	0	0	0	**0.00**	**0.00**
M-61	0	0	0	0	**0.00**	**0.00**
M-62	0	0	0	0	**0.00**	**0.00**
M-63	0	0	0	0	**0.00**	**0.00**
M-65	0	0	0	0	**0.00**	**0.00**
M-66	0	0	0	0	**0.00**	**0.00**
M-67	0	0	0	0	**0.00**	**0.00**
M-68	0	0	0	0	**0.00**	**0.00**
M-69	0	0	0	0	**0.00**	**0.00**
M-70	0	0	0	0	**0.00**	**0.00**
M-71	0	0	0	0	**0.00**	**0.00**
M-72	0	0	0	0	**0.00**	**0.00**
M-73	0	0	0	0	**0.00**	**0.00**
M-74	0	0	0	0	**0.00**	**0.00**
M-75	0	0	0	0	**0.00**	**0.00**
MW-A	3.54	5.46	0	8.06	**0.90**	**0.91**
MW-B	0	2.94	0	2.65	**0.30**	**0.36**
SW-1	0	14.5	0	4.76	**1.45**	**1.28**
SW-2	0	13.2	0	4.82	**1.32**	**1.13**

**Units in ng/L*

**values exceeding the MCL of 1 are in red*

126 Season					
	PFNA	PFHxS	Gen X (HFPO-DA)	PFBS	**Hazard Index**
M-3	0	0.859	0	2.83	**0.09**
M-4	0	0	0	0	**0.00**
M-6	0	0	0	1.71	**0.00**
M-7	0	0	0	0	**0.00**
M-8	0	3.58	0	5.07	**0.36**
M-9S	1.56	2.74	0	11	**0.44**
M-11D	1.03	6.44	0	1.73	**0.75**
M-11S	0.868	9.27	0	1.83	**1.01**
M-12	0	1.11	0	1.88	**0.11**
M-14	0	0	0	1.27	**0.00**
M-15	0	0.84	0	0	**0.08**
M-17DR	0	0	0	3.06	**0.00**
M-17S	0	0	0	4.28	**0.00**
M-18	0	1.1	0	3.38	**0.11**
M-19	1.47	1.77	0	3.87	**0.33**
M-21	1.1	3.69	0	1.56	**0.48**
M-22	0	4.8	0	1.68	**0.48**
M-23	0	0.644	0	2.5	**0.07**
M-24D	1.04	6.54	0	3.92	**0.76**
M-50	0	0	0	0	**0.00**
M-51	0	0	0	0	**0.00**
M-52	0	0	0	0	**0.00**
M-53	0	0	0	0	**0.00**
M-54	0	0	0	0	**0.00**
M-55	0	0	0	0	**0.00**
M-56	0	0	0	0	**0.00**
M-57	0	0	0	0	**0.00**
M-58	0	0	0	0	**0.00**
M-59	0	0	0	0	**0.00**
M-60	0	0	0	0	**0.00**
M-61	0	0	0	0	**0.00**
M-62	0	0	0	0	**0.00**
M-63	0	0	0	0	**0.00**
M-65	0	0	0	0	**0.00**
M-66	0	0	0	0	**0.00**
M-67	0	0	0	0	**0.00**
M-68	0	0	0	0	**0.00**
M-69	0	0	0	0	**0.00**
M-70	0	0	0	0	**0.00**
M-71	0	0	0	0	**0.00**
M-72	0	0	0	0	**0.00**
M-73	0	0	0	0	**0.00**
M-74	0	0	0	0	**0.00**
M-75	0	0	0	0	**0.00**
MW-A	3.84	5.35	0	9.34	**0.92**
MW-B	1.45	2.72	0	2.66	**0.42**
SW-1	0	11.1	0	3.57	**1.11**
SW-2	0	9.26	0	4.14	**0.93**

**Units in ng/L*

Hazard Index Value=((PFNA ng/L/10 ng/L)+(PFHxS ng/L/10 ng/L)+(GenX ng/L/10 ng/L)+(PFBS ng/L/2000 ng/L))

Annual Average: =AVERAGE(G7,G34) and continue with corresponding cells for each well

Note : Northern Landfill - Future Expansion Area monitoring wells in blue. Initial quad sampling of these wells was completed in May 2025. Sampling will resume when landfill cell is created.

Appendix F

MDE Correspondence

March 22, 2024

John Agnoli, Chief
Maryland Environmental Services (MES)
Environmental Section
259 Najoles Road
Millersville, MD 21108

Dear John Agnoli,

This correspondence pertains to your variance request letter dated February 28, 2024, regarding the substitution of EPA method 300.0 for nitrate (as N) with EPA method 353.2 for nitrate-nitrite (as N) for water quality analysis at MES-monitored RCRA facilities. The Maryland Department of the Environment (MDE) has reviewed and hereby approves the variance request. However, MDE would like to provide some comments.

- The argument regarding the short holding time for method 300.0 is inadequate, as proper planning should resolve this type of issue;
- The nitrate MCL of 10 mg/L will serve as the MCL for total nitrate and nitrite;
- Since method 353.2 can be utilized for the detection of nitrite singly (without granulated Cu-Cd) and nitrate-nitrite (with granulated Cu-Cd), it is imperative that the lab includes their procedure in their reports instead of just stating 353.2;
- Future environmental monitoring reports and plans should include an approved variance section that outlines the contents of this letter and/or adds it as an appendix;
- MDE reserves the right to request the use of method 300.0 if deemed necessary.

MDE appreciates your cooperation regarding this matter. If you have any questions regarding this matter, please contact Dr. Binyam Woldemichael, section head of Investigations and Remediation, at binyam.woldemichael@maryland.gov or 410-537-3315.

Sincerely,

Andrew Grenzer, Chief
Solid Waste Operations Division

cc: Tyler Abbott, Director, Land and Materials Administration (LMA), MDE
Brian Coblentz, Compliance Division Chief, Solid Waste Program (SWP), LMA, MDE
Chris Manning, Geologist, Investigation and Remediation, SWP, LMA, MDE