April 15, 2026

Ms. Leigh Barr
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division, Environmental Bureau
LeighP.Barr@emnrd.nm.gov

Re: 2025 Annual Facility-Wide Groundwater Monitoring Report, HF Sinclair Navajo Refining LLC, Lovington, New Mexico, GW-014.

Dear Ms. Barr:

Please find attached the 2025 Annual Facility-Wide Groundwater Monitoring Report (Report) for the HF Sinclair Navajo Refining LLC (HFSNR) refinery located in Lovington, New Mexico. The Report summarizes the results of groundwater monitoring and remediation activities conducted at the refinery under GW-014 during calendar year 2025.

If you should have any questions or comments regarding this Report, please feel free to contact Nat Paengpongsavanh at (575) 746-0681 or Mike Holder at (575) 308-1115.

Sincerely,

Case Hinkins
Environmental, Health and Safety Manager
HF Sinclair Navajo Refining LLC

cc: HF Sinclair: Nat Paengpongsavanh, M. Holder
TRC: J. Speer, A. Eljuri

2025 Annual Facility-Wide Groundwater Monitoring Report

April 2026

HF Sinclair Navajo Refining LLC

GW-014

Lovington, New Mexico

Prepared For:

HF Sinclair Navajo Refining LLC

Prepared By:

TRC Environmental Corporation

Austin, Texas

2025 Annual Facility-Wide Groundwater Monitoring Report

HF Sinclair Navajo Refining LLC
GW-014
Lovington, New Mexico

Prepared for:

HF Sinclair Navajo Refining LLC
Artesia, New Mexico

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TRC Project No. 700929

April 2026

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EXECUTIVE SUMMARY

This *2025 Annual Facility-Wide Groundwater Monitoring Report* documents groundwater monitoring activities conducted at the HF Sinclair Navajo Refining LLC (HFSNR) facility (Refinery) located in Lovington, New Mexico, during calendar year 2025. The Refinery is currently regulated by New Mexico Oil Conservation Division (OCD) under Groundwater Discharge Permit GW-014 (Permit) issued by the OCD on November 16, 2022. The facility was subject to Abatement Plan AP-110 prior to issuance of the Permit.

The groundwater monitoring program consists of semi-annual groundwater gauging of monitoring wells, semi-annual groundwater sampling of monitoring wells, quarterly sampling of Refinery water supply wells, and annual reporting. The monitoring objectives are to (1) determine groundwater elevations, flow direction, and gradient; (2) determine the presence, extent, and apparent thickness of light non-aqueous phase liquid (LNAPL); and (3) obtain dissolved-phase concentration data. Monitoring activities were conducted in general accordance with the January 2024 *Facility-Wide Groundwater Monitoring Work Plan* (2024 FWGMWP) that was approved by OCD on March 12, 2024.

The 2025 groundwater monitoring results indicate physical and chemical groundwater conditions are consistent with historical data. Groundwater flows radially (southeast, south, and north/northwest) towards a cone of depression near the three Refinery water supply wells located within the central portion of the Refinery. This cone of depression is induced by groundwater pumping from the three on-site water supply wells for Refinery process use and non-potable restroom and safety shower use. Groundwater elevations across the Refinery have been decreasing since 2010 and continued to decrease during 2025. Four monitoring wells (MW-4, MW-17R, MW-22, and MW-30) were dry during both semi-annual groundwater monitoring events due to declining groundwater elevations. The presence of select anions (chloride, nitrate, and fluoride), total dissolved solids (TDS), and metals in select wells at concentrations above the New Mexico Water Quality Control Commission (WQCC) Standards is due to off-site sources, background concentrations, and/or non-HFSNR sources at the Refinery.

Per the OCD-approved *2024 Annual Facility-Wide Groundwater Monitoring Report*, two dry monitoring wells (MW-17R and MW-22) were plugged and abandoned (P&A'd) and replaced in December 2025 with deeper monitoring wells MW-17R2 and MW-22R, respectively.

LNAPL is present in monitoring well MW-31, which was installed in December 2016 to investigate the historical release at the asphalt loading rack. LNAPL recovery was continuously conducted at MW-31 throughout 2025 using a pneumatic skimmer recovery system. Approximately 91 gallons of LNAPL were recovered using the skimmer system in 2025.

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HFSNR will continue to implement groundwater monitoring activities at the Refinery in 2026 under the 2024 FWGMWP. HFSNR will also continue LNAPL recovery activities at well MW-31 in accordance with the November 17, 2017, letter report that was approved with comments by the OCD on December 22, 2017.

HFSNR plans to plug and replace dry well MW-2 and proposes to remove dry wells MW-4 and MW-30 from the monitoring program. Monitoring wells MW-4 and MW-30 are not critical to determine and monitor the groundwater flow direction and gradient or monitor the nature and extent of dissolved-phase organic and inorganic constituents in groundwater as other existing monitoring wells provide adequate coverage in their vicinity without them. In addition, reported concentrations have never exceeded WQCC Standards in MW-4 and have not exceeded WQCC Standards in MW-30 since 2018. HFSNR will P&A MW-4 and MW-30 upon OCD approval.

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LIST OF ACRONYMS AND ABBREVIATIONS

DO	Dissolved Oxygen
DRO	Diesel Range Organics
FWGMWP	Facility-Wide Groundwater Monitoring Work Plan
GRO	Gasoline Range Organics
HEP	Holly Energy Partners – Operating, L.P.
HFSNR	HF Sinclair Navajo Refining LLC
HMI	Hydrologic Monitoring
LCS/LCSD	Laboratory control sample and laboratory control sample duplicate
LNAPL	Light Non-Aqueous Phase Liquid
mg/L	milligrams per liter
MDL	Method Detection Limit
MS/MSD	Matrix spike and matrix spike duplicate
NMAC	New Mexico Administrative Code
NMOSE	New Mexico Office of the State Engineer
O&M	Operation and Maintenance
OCD	New Mexico Oil Conservation Division
ORP	Oxidation-Reduction Potential
Pace National	Pace Analytical National Center for Testing & Innovation
P&A'd	Plugged and abandoned
POTW	Publicly-Owned Treatment Works
QA/QC	Quality Assurance/Quality Control
RDL	Reported Detection Limit
RPD	Relative Percent Difference
SM	Standard Method
SVOCs	Semi-Volatile Organic Compounds
TRC	TRC Environmental Corporation
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
UIC	Underground Injection Control
VOCs	Volatile Organic Compounds

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WQCC	New Mexico Water Quality Control Commission

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1.0 INTRODUCTION

On behalf of HF Sinclair Navajo Refining LLC (HFSNR), TRC Environmental Corporation (TRC) prepared this *2025 Annual Facility-Wide Groundwater Monitoring Report* to summarize the results of groundwater monitoring activities conducted at the facility (Refinery) located in Lovington, New Mexico, during calendar year 2025. Groundwater monitoring reports prior to 2012 were submitted in accordance with a Groundwater Discharge Permit GW-014 issued by the New Mexico Oil Conservation Division (OCD). The Groundwater Discharge Permit was due to expire on October 30, 2011, and a renewal draft permit was issued in August 2011 that was to go into effect by November 1, 2011. However, the OCD rescinded the Groundwater Discharge Permit on February 9, 2012. The Refinery was then regulated by the OCD under Abatement Plan AP-110 until November 16, 2022, when the OCD issued a new Groundwater Discharge Permit GW-014 (the Permit).

1.1 Refinery Description

The Refinery is located approximately five miles south of Lovington in Lea County, New Mexico. The Refinery started operation in 1974 (Southern Union) and HFSNR became operator of the Refinery in early 1989. The Refinery is located on leased property owned by the City of Lovington. The property is located within the Permian oil field and surrounded by grazing land, oilfield production that started in approximately the 1940s, and produced water disposal wells. There are active and plugged oil wells and saltwater disposal wells within and surrounding the Refinery. The Refinery consists of refining operations, as well as Holly Energy Partners – Operating, L.P. (HEP) pipeline and receiving stations. A Refinery vicinity map is provided as Figure 1, and a Refinery site plan is provided as Figure 2.

1.2 Discharge Permit Annual Report Requirements

This report was prepared to fulfill the requirement in Section 2.K. of GW-014. The requirement specifies that an Annual Report be submitted to the OCD by April 15 following the reporting (calendar) year and should include all components of the Annual Groundwater Monitoring Report and a summary "Section" demonstrating compliance with GW-014. The required information to be included in this Section is provided below:

A. Summary of major Facility activities and events – the Refinery conducted normal operations during 2025. No new tanks were brought online.

B. Summary of all leaks, spills, and releases and corrective actions taken – see Section 7.1 of this report.

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C. Summary of any new discoveries of groundwater and/or vadose zone contamination, including recommendations for further investigation and/or abatement – groundwater monitoring results and any notable changes from previous results that would indicate new groundwater or vadose zone contamination are discussed in Sections 4.1 and 4.2 of this report.

D. Summary of any New Mexico Water Quality Control Commission (WQCC) constituents found to exceed the groundwater standards – see Sections 4.2 and 5.0 of this report.

E. Summary of all waste and wastewater disposed of, sold, or treated on-site – no waste or wastewater is disposed of, sold, or treated on-site. The Refinery's wastewater is discharged to the City of Lovington's publicly-owned treatment works (POTW).

F. Summary of fluids detected in any leak detection system – there are no automatic leak detection systems in use at the Refinery. Equipment, tanks, and piping are routinely inspected and monitored by Refinery personnel. Any identified leaks are reported through shift leadership and managed through the Refinery's standard operating and incident management procedures.

G. Closure of any Underground Injection Control (UIC) Class V wells – there are no UIC wells at the Refinery.

H. Conclusions and recommendations – see Sections 8.0 and 9.0 of this report.

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2.0 MONITORING WELL ABANDONMENT AND INSTALLATION

Monitoring wells MW-17R and MW-22 were plugged and abandoned (P&A'd) in 2025 because these wells were screened at depths too shallow for optimal monitoring of the current groundwater elevation, which has been decreasing since their respective installations. Wells MW-17R and MW-22 were replaced with new deeper monitoring wells MW-17R2 and MW-22R, respectively. The locations of the former and replacement monitoring wells are shown on Figure 2. Well abandonment and installation activities are described below. All drilling and P&A activities were completed by a New Mexico licensed driller with oversight by TRC.

2.1 Well Abandonment

Monitoring wells MW-17R and MW-22 were P&A'd on December 8, 2025, under a *Well Plugging Plan of Operations* approved by the New Mexico Office of the State Engineer (NMOSE) on November 21, 2025. Groundwater elevations had steadily declined in these wells since they were installed in 2010. Starting in the March 2023 semi-annual monitoring event, well MW-22 was dry and would not produce sufficient water volume for sample collection of all required analytes. Well MW-17R was dry starting in the October 2023 monitoring event. Replacement wells MW-17R2 and MW-22R were installed as detailed below.

Monitoring wells MW-17R and MW-22 were P&A'd in accordance with the approved plugging plan by pressure filling the casing with cement grout from total depth to land surface. The grout was allowed to settle, and any remaining void was filled with additional cement grout. As applicable, the upper portion of the casing was cut below ground surface and removed. The ground surface was restored to surrounding conditions.

2.2 Well Installation

Monitoring wells MW-17R2 and MW-22R were installed between December 9 through 12, and December 15, 2025, using roto-sonic drilling methods under NMOSE permit L-12562. The monitoring wells were constructed using 2-inch diameter Schedule 40 polyvinyl chloride (PVC) casing and 20 linear feet of 0.010-inch machine-slot PVC screen to approximately total depths of 140 and 135 feet below ground surface (bgs) at MW-17R2 and MW-22R, respectively. The well screens were installed across the saturated zone-vadose zone interface. The annular space was filled with 8/16-grade silica sand to approximately 2 feet above the screen. The annular space above the sand pack was sealed using hydrated 3/8-inch bentonite chips approximately 3 feet above the sand pack, and Portland cement/bentonite grout from above the bentonite chips to the ground surface.

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Well MW-17R2 was completed with a flush mount steel cover and concrete pad. Well MW-22R was completed with a lockable, aboveground steel protective cover and concrete pad. Upon completion, the monitoring wells were developed by surging and purging using a submersible pump. Soil boring/well construction logs for MW-17R2 and MW-22 are provided in Appendix A.

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3.0 SEMI-ANNUAL GROUNDWATER MONITORING ACTIVITIES

Semi-annual groundwater monitoring activities were conducted at the Refinery in April and October 2025 in accordance with the approved 2024 FWGMWP. Hydrologic Monitoring (HMI) conducted the first semi-annual groundwater monitoring event on April 3, 2025, and the second semi-annual event on October 9, 2025. Groundwater monitoring activities consisted of (1) gauging existing Refinery monitoring wells (MW-1 through MW-20R, MW-22 through MW-24R, MW-26R, and MW-28R through MW-33) and one recovery well (RW-1) and (2) collecting groundwater samples for laboratory analysis from select Refinery monitoring wells and two Refinery water supply wells (WW-South and WW-East). The locations of the monitoring wells, recovery well, and Refinery water supply wells are presented on Figure 2.

The following deviations to the 2024 FWGMWP occurred during the April 2025 monitoring event:

- Well MW-31 was not sampled due to the presence of light non-aqueous phase liquid (LNAPL). This is consistent with previous sampling events conducted since 2017.
- Wells MW-4, MW-17R, MW-22, and MW-30 were dry and could not be sampled.
- Wells MW-1 and MW-2 were sampled using bailing techniques rather than low-flow procedures with a submersible pump due to poor recharge and insufficient water column in the well. These wells were purged dry with a new disposable bailer, and a grab sample was collected for laboratory analysis after the well recharged. Due to the minimal groundwater recharge at MW-2, semi-volatile organic compounds (SVOCs) and metals were not collected.
- WW-North was not sampled due to the well pump being locked out and not operational.

The following deviations to the 2024 FWGMWP occurred during the October 2025 monitoring event:

- Well MW-31 was not sampled due to the presence of LNAPL. This is consistent with previous sampling events conducted since 2017.
- Well MW-30 was dry and could not be sampled.
- Well MW-8 was sampled using bailing techniques rather than low-flow procedures with a submersible pump due to poor recharge and insufficient water column in the well. This well was purged dry with a new disposable bailer, and a grab sample was collected for laboratory analysis after the well recharged.

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- WW-North was not sampled due to the well pump being locked out and not operational.

3.1 Fluid Level Gauging

Existing Refinery monitoring and recovery wells were gauged during the April 2025 and October 2025 semi-annual monitoring events to determine the groundwater elevation, flow direction and gradient, the presence or absence of LNAPL, and apparent LNAPL thickness. A decontaminated oil-water interface probe was used to measure depths to water and LNAPL, if present. Depths to water and LNAPL were measured to the nearest 0.01-foot from the top of the well casing.

3.2 Groundwater Sample Collection

Groundwater samples were collected for laboratory analysis from the following wells during each semi-annual monitoring event:

- April 2025: 24 monitoring wells (MW-1 through MW-3, MW-5, MW-6, MW-8 through MW-16R, MW-18R through MW-20R, MW-23R, MW-24R, MW-26R, MW-28R, MW-29R, MW-32, and MW-33) and two Refinery water supply wells (WW-East and WW-South)
- October 2025: 11 monitoring wells (MW-6, MW-8, MW-11R through MW-13R, MW-15R, MW-19R, MW-28R, MW-29R, MW-32, and MW-33) and two Refinery water supply wells (WW-East and WW-South)

Each monitoring well was purged and sampled using low-flow sampling procedures (unless deviation noted in Section 3.0). Dedicated bladder pumps installed in each monitoring well were used to purge and sample monitoring wells during the April and October 2025 events. The pump intake was placed at the middle of the water column because the water elevations were within the screened well intervals. A water-quality meter and turbidity meter were used to measure pH, temperature, specific conductivity, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity at regular intervals during the purging process to obtain geochemical data and to monitor for stabilization of the groundwater. The purging process was considered complete when three of the six water quality parameters achieved stabilization.

The Refinery water supply wells were sampled from a sampling point (i.e., tap or spigot) located at or near the well head or pump house and before the water supply is introduced into any storage tank or treatment unit. The wells were purged to remove any standing water from the well casing and surface piping. Grab readings of geochemical parameters including pH, temperature, conductivity, ORP, DO, and turbidity were also collected during the purging

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process. WW-North was not sampled due to the well pump being locked out and not operational.

After the purging process was complete, groundwater samples were collected directly from the dedicated or disposable tubing (for the monitoring wells) or from the Refinery water supply well sampling point into method-specific containers provided by the laboratory. All groundwater samples were submitted to Pace Analytical National Center for Testing & Innovation (Pace National) in Mount Juliet, Tennessee, under appropriate chain-of-custody documentation for one or more of the following analyses in accordance with the 2024 FWGMWP:

- Volatile organic compounds (VOCs) by SW-846 Method 8260B/D;
- SVOCs by SW-846 Method 8270C/E;
- Total petroleum hydrocarbons (TPH) low fraction gasoline range organics (GRO) by SW-846 Method 8015D;
- TPH high fraction diesel range organics (DRO) by SW-846 Method 3511/8015D;
- Dissolved metals (aluminum, arsenic, barium, boron, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, silver, uranium, zinc) by SW-846 Method 6010D or 6020B;
- Total mercury by SW-846 Method 7470A;
- Anions (chloride, fluoride, nitrate, nitrite, and sulfate) by EPA Method SW-846 Method 9056A; and
- Total Dissolved Solids (TDS) by Standard Method (SM) M2540C-2011.

Prior to December 2018, 20.6.2.3103 New Mexico Administrative Code (NMAC) only included standards for nitrate at the time, so samples were analyzed for nitrate-nitrite. In December 2018, 20.6.3103 NMAC was updated to include separate standards for both nitrate and nitrite. Since the October 2022 semi-annual monitoring event, samples were submitted for separate laboratory analysis of nitrate and nitrite in accordance with the OCD email on June 22, 2022, and letter dated July 19, 2022.

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4.0 SEMI-ANNUAL GROUNDWATER MONITORING RESULTS

The results of the semi-annual groundwater monitoring activities conducted in April 2025 and October 2025 are discussed below.

4.1 Fluid Gauging Results

Fluid level gauging was performed on April 3, 2025, and on October 9, 2025, and the results are presented in Table 1. Potentiometric groundwater surface maps for the April 2025 and October 2025 gauging events are presented as Figures 3 and 4, respectively.

4.1.1 Light Non-Aqueous Phase Liquid (LNAPL)

LNAPL was detected in one well (MW-31) during both semi-annual gauging events. The presence of LNAPL in MW-31 is associated with the historical release discovered at the asphalt loading rack during construction activities in November 2015. Measured apparent LNAPL thicknesses in MW-31 during the April and October 2025 gauging events were 1.14 and 5.61 feet, respectively. HFSNR conducted routine LNAPL recovery using a pneumatic skimmer system at MW-31 throughout 2025, as discussed in Section 7.0. Additional fluid gauging results obtained at MW-31 during recovery activities are provided in Appendix F.

4.1.2 Groundwater

Groundwater elevations measured during both semi-annual gauging events indicate groundwater elevations are decreasing, and groundwater flows radially (southeast, south, and north/northwest) towards a cone of depression near the three Refinery water supply wells located within the central portion of the Refinery. This cone of depression is consistent with previous events and is induced by groundwater pumping from the active on-site Refinery water supply wells for Refinery process use and non-potable restroom and safety shower use. The natural groundwater flow direction at the Refinery (i.e., not influenced by pumping) is to the southeast, as observed in the northern portion of the Refinery.

Groundwater elevations measured during the April 2025 event decreased an average of 2.36 feet from those measured in April 2024 (first semi-annual event of 2024). The April 2025 groundwater elevation data indicate groundwater northwest of the cone of depression flows southeast at a hydraulic gradient ranging from 0.003 to 0.005 feet per foot. South/southeast of the cone of depression, groundwater flows north/northwest at a hydraulic gradient ranging from 0.002 to 0.007 feet per foot.

Groundwater elevations measured during the October 2025 event decreased an average of 1.02 feet from those measured in October 2024 (second semi-annual event of 2024). The October 2025 groundwater elevation data indicate groundwater northwest of the cone of

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depression flows southeast at a hydraulic gradient ranging from 0.002 to 0.005 feet per foot. South/southeast of the cone of depression, groundwater flows north/northwest at a hydraulic gradient ranging from 0.002 to 0.007 feet per foot.

A graph of groundwater elevations versus time for representative wells MW-4 and MW-6 is provided in Appendix B. As shown on the graph, groundwater elevations in wells MW-4 and MW-6 have decreased 20.94 feet and 21.34 feet, respectively, from June 2009 to October 2025. Well MW-4 was dry during the April and October 2025 monitoring events. These reductions in groundwater levels are consistent across the Refinery and are likely caused by (1) limited recharge due to low rainfall levels and (2) regional groundwater pumping including historic or current active pumping from three on-site Refinery water supply wells and City of Lovington water supply wells located northwest and west (i.e., upgradient) of the Refinery.

4.2 Groundwater Sampling Results

Analytical results of organic, anions, and metal constituents in groundwater samples collected during the 2025 sampling events are summarized in Tables 2, 3, and 4, respectively. Analytical results are compared to the New Mexico WQCC Standards for groundwater and any results that exceeded these standards are shaded gray. Groundwater concentration maps are provided as Figures 5 through 10 for constituents that exceeded WQCC Standards. Laboratory analytical reports are provided in Appendix C. Plots of groundwater concentrations over time for constituents detected above the reported detection limit (RDL), or equivalent, more than once in each well are provided in Appendix D. Constituents that were never detected above the RDL, including those only detected at estimated J-flagged concentrations (i.e., detected above the method detection limit [MDL] but below the RDL), are not included on the concentration plots in Appendix D.

4.2.1 Organic Constituent Results

Analytical results for VOCs, SVOCs, and TPH (i.e., organic constituents) that have historically been detected in groundwater are presented in Table 2. Naphthalene results are included in both the VOC (Method 8260B/D) and SVOC (Method 8270C/E) sections of Table 2 as it is reported by both analytical methods.

4.2.1.1 Volatile Organic Compounds

VOCs were not detected above their respective WQCC Standards in any of the wells sampled in April 2025 and October 2025. Benzene concentrations in well MW-11R exceeded the WQCC Standard in April 2024 but decreased to below the WQCC Standard in October 2024 and remained below the WQCC Standard in April and October 2025. Reported concentrations of VOCs during the 2025 sampling events were generally consistent with or less than previous

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sampling results, except for notable increases of chloroform in the wells listed below. Chloroform concentrations in these wells remain approximately one order of magnitude below the WQCC Standard of 0.1 milligrams per liter (mg/L) and will be reviewed again in 2026.

- MW-1: Chloroform concentrations increased from an estimated J-flagged concentration of 0.000950 J mg/L in April 2024 to an estimated J-flagged concentration and historical maximum of 0.00211 J mg/L in April 2025.
- MW-13R: Chloroform concentrations increased over three sampling events from <0.000111 mg/L in October 2022 to an estimated J-flagged concentration and historical maximum of 0.000737 J mg/L in April 2025.
- MW-16R: Chloroform concentrations increased over four sampling events from <0.000111 mg/L in September 2021 to an estimated J-flagged concentration and historical maximum of 0.00477 J mg/L in April 2025.
- MW-29/MW-29R: Chloroform concentrations increased from an estimated J-flagged concentration of 0.000558 J mg/L in April 2022 in well MW-29 to a historical maximum of 0.0204 mg/L in April 2025 in well MW-29R. Well MW-29 was dry from October 2022 until the installation of the replacement well MW-29R in October 2024.

Notable concentration increases or trends of chloroform in wells MW-4 and MW-15R were discussed in the *2024 Annual Facility-Wide Groundwater Monitoring Report*, but the 2025 result in MW-15R decreased and was consistent with historical results. Well MW-4 was dry in 2025 and was not sampled.

Concentration maps of VOCs in groundwater for the April 2025 and October 2025 monitoring events are not provided because none of the reported concentrations exceeded the WQCC Standards.

4.2.1.2 Semi-Volatile Organic Compounds

SVOCs were not detected above their respective WQCC Standards in any of the wells sampled in April 2025 and October 2025. Analytical results for SVOCs during the 2025 semi-annual monitoring events were generally consistent with previous sampling results.

Concentration maps of SVOCs in groundwater for the April 2025 and October 2025 monitoring events are not provided because none of the reported concentrations exceeded the WQCC Standards.

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4.2.1.3 Total Petroleum Hydrocarbons

During the April 2025 sampling event, TPH GRO was not detected in the five wells sampled and analyzed for TPH GRO in April 2025 (MW-5, MW-32, MW-33, WW-South, and WW-East). TPH DRO was detected at concentrations above the RDL in well MW-32 (0.223 mg/L) and at an estimated J-flagged concentration below the RDL in well MW-33 (0.0953 J mg/L, duplicate sample). TPH DRO was not detected in the other three wells sampled and analyzed for TPH DRO in April 2025 (MW-5, WW-South, and WW-East).

During the October 2025 monitoring event, TPH GRO was not detected in the four wells sampled and analyzed for TPH GRO in April 2025 (MW-32, MW-33, WW-South, and WW-East). TPH DRO was detected above the RDL in wells MW-32 (0.664 mg/L), MW-33 (0.158 mg/L), and WW-South (0.108 mg/L). TPH DRO was not detected in WW-East and the duplicate sample of WW-South during October 2025.

There is no WQCC Standard for TPH DRO or TPH GRO. No indicator VOCs or SVOCs associated with TPH mixtures were detected above their respective WQCC Standard in samples collected from any of these wells.

Reported TPH concentrations for the 2025 monitoring events were consistent with historical monitoring results (i.e., stable trends).

4.2.2 Inorganic Constituent Results

Analytical results for anions and TDS in groundwater are presented in Table 3 and metals in groundwater are presented in Table 4 (i.e., inorganic constituents). A discussion of the inorganic constituent results is provided below.

4.2.2.1 Anions

The April 2025 analytical results indicate that chloride, fluoride, and nitrate are present in groundwater at concentrations above their respective WQCC Standards. Chloride was detected at concentrations above the WQCC Standard of 250 mg/L in four of the 26 wells sampled for anions (MW-11R, MW-13R, MW-15R, and WW-South) with a maximum concentration of 558 mg/L in MW-15R. Fluoride was detected at a concentration above the WQCC Standard of 1.6 mg/L in one of the 26 wells sampled for anions, MW-24R, at a concentration of 2.25 mg/L. Nitrate was detected at a concentration above the WQCC Standard of 10.0 mg/L in one of the 26 wells sampled for anions, MW-32, at a concentration of 11.7 mg/L.

The October 2025 analytical results indicate that chloride is present at concentrations above its WQCC Standard. Chloride was detected at concentrations above the WQCC Standard of 250

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mg/L in three of the 10 wells sampled for anions (MW-13R, MW-15R, and WW-South) with a maximum detected concentration of 471 mg/L in MW-15R.

Concentration maps of anions that exceeded WQCC Standards in groundwater for the April 2025 and October 2025 sampling events are provided as Figures 5 and 6, respectively.

Reported anion concentrations for the 2025 sampling events were generally consistent with previous sampling results except for notable increases of nitrate concentrations in the following wells that may be associated with continually reducing groundwater elevations and will be reviewed again in 2026:

- Nitrate concentrations in well MW-11R have increased since October 2023 (0.932 mg/L) to 5.74 mg/L in April 2025 but remains below the WQCC Standard of 10.0 mg/L and the historical maximum of 6.23 mg/L reported in October 2019 (combined nitrate-nitrite analysis).
- Nitrate concentrations in well MW-32 increased from October 2024 (nondetect) to 11.7 mg/L in April 2025, which exceeded the WQCC Standard of 10.0 mg/L. However, the April 2025 result was below the historical maximum of 12.9 mg/L (duplicate sample) reported in October 2022 and the duplicate result from April 2025 was nondetect. Nitrate concentrations in MW-32 were nondetect in October 2025.

As discussed in the 2024 *Annual Facility-Wide Groundwater Monitoring Report*, nitrate concentrations in well MW-6 exhibited an overall increasing trend from approximately 2015 and nitrate was also detected above the WQCC Standard at MW-8 in October 2024. Nitrate concentrations in wells MW-6 and MW-8 decreased during the April 2025 and October 2025 monitoring events below the WQCC standard. Well MW-4 was also noted as having an increasing trend of nitrate concentrations since October 2022, but concentrations remained below the WQCC Standard; however, MW-4 was dry in 2025 and could not be sampled.

As discussed in the December 2013 *Refinery Investigation Report*, the presence of anions at concentrations above WQCC Standards at select well locations, including chloride (wells MW-11R, MW-13R, MW-15R, and WW-South) and fluoride (well MW-24R) is due to off-site sources, background concentrations, and/or non-HFSNR sources at the Refinery.

4.2.2.2 Total Dissolved Solids

During the April 2025 sampling event, TDS was detected at concentrations above the WQCC Standard of 1,000 mg/L in six of the 22 wells sampled for TDS (MW-2, MW-8, MW-11R, MW-13R, MW-15R, and MW-33) with a maximum concentration of 1,880 mg/L in MW-15R. During the October 2025 sampling event, TDS was detected at concentrations above the WQCC

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Standard of 1,000 mg/L in four of the eight wells sampled for TDS (MW-8, MW-13R, MW-15R, and MW-33) with a maximum concentration of 1,560 mg/L in MW-15R. Concentration maps of TDS in groundwater for the April 2025 and October 2025 sampling events are provided as Figures 7 and 8, respectively.

Reported TDS concentrations for both 2025 sampling events were generally consistent with previous sampling results, with the exception of MW-2, which last exceeded the WQCC Standard for TDS in January 2012. TDS concentrations have fluctuated above and below the WQCC Standard in multiple wells across the Refinery, including in wells MW-8, MW-11/MW-11R, and MW-19/MW-19R.

As discussed in the December 2013 *Refinery Investigation Report*, the presence of TDS at concentrations above WQCC Standards at select well locations (including wells MW-2, MW-8, MW-11R, MW-13R, MW-15R, and MW-33) is due to off-site sources, background concentrations, and/or non-HFSNR sources at the Refinery.

4.2.2.3 Metals

Iron, manganese, and/or uranium 238 were detected at concentrations above their WQCC Standards in two of the 20 wells sampled in April 2025 (MW-32 and MW-33). In October 2025, iron, manganese, and uranium 238 were detected at concentrations above their WQCC Standards in one of the seven wells sampled in October 2025 (MW-33). The reported metal exceedances during 2025 are summarized below:

- Iron was detected above the WQCC Standard (1.0 mg/L) at concentrations of 1.17 mg/L and 1.29 mg/L in MW-33 during April 2025 and October 2025, respectively.
- Manganese was detected above the WQCC Standard (0.2 mg/L) at concentrations of 0.306 mg/L (duplicate sample) in MW-32 during April 2025, and 0.711 mg/L (duplicate sample) and 0.674 mg/L in MW-33 during April 2025 and October 2025, respectively.
- Uranium 238 was detected above the WQCC Standard (0.03 mg/L) at concentrations of 0.0660 mg/L (duplicate sample) and 0.0527 mg/L in MW-33 during April 2025 and October 2025, respectively.

Concentration maps of metals that exceeded WQCC Standards in groundwater for the April 2025 and October 2025 sampling events are provided as Figures 9 and 10, respectively. Metal concentrations in groundwater across the Refinery were generally consistent with previous sampling events. The presence of manganese above the WQCC Standard in well MW-32 and iron, manganese, and uranium 238 above WQCC Standards in well MW-33, both wells located along the southern Refinery boundary, is potentially attributed to nearby former produced-

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water injection wells LPU-38 and LSAU-23 and oil production wells LA-9 and LPU-96 (Figure 2) based on the (1) distribution of iron, manganese, and uranium 238 in groundwater and (2) lack of potential sources for metals identified in this portion of the Refinery as discussed in the December 2013 *Refinery Investigation Report*.

Reported metal concentrations for the 2025 sampling events were generally consistent with previous sampling results, except for uranium 238 in MW-33. Uranium 238 concentrations in MW-33 have overall increased since 2017 and increased slightly from 0.0600 mg/L in October 2024 to a historical maximum of 0.0660 mg/L (duplicate sample) in April 2025, then decreased to 0.0527 mg/L in October 2025. Uranium 238 concentrations in MW-33 first exceeded the WQCC Standard of 0.03 mg/L in this well in April 2021, and concentrations will continue to be monitored in 2026.

Notable concentration increases or trends of boron in well MW-8, manganese in MW-11R, and arsenic and manganese in well MW-32 were discussed in the *2024 Annual Facility-Wide Groundwater Monitoring Report*, but the 2025 results in these wells decreased and were consistent with historical results.

As discussed in the December 2013 *Refinery Investigation Report*, the presence of metals at concentrations above WQCC Standards at select well locations is due to off-site sources, background concentrations, and/or non-HFSNR sources at the Refinery.

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5.0 QUARTERLY REFINERY WATER SUPPLY WELL MONITORING

Groundwater samples were collected from Refinery water supply wells WW-East and WW-South on a quarterly basis in 2025. WW-North was only sampled during the January 2025 quarterly event due to the well pump being locked out and other operational constraints during the April, July, and October 2025 events. The objective of the quarterly sampling is to evaluate the potential risk associated with use of the water in Refinery restrooms and safety showers (the water is not used for drinking or cooking). The 2025 quarterly sampling events were implemented in accordance with the 2024 FWGMWP. No deviations to the 2024 FWGMWP were made during the 2025 quarterly water well events besides not sampling WW-North during the April, July, and October 2025 events.

Groundwater samples were collected from Refinery water supply wells WW-North, WW-South, and WW-East on January 15, 2025 and from WW-South and WW-East on April 3, 2025; July 31, 2025; and October 9, 2025. Groundwater samples collected from the Refinery water supply wells were submitted to Pace National in Mount Juliet, Tennessee, under appropriate chain-of-custody documentation for the same analyses as the semi-annual monitoring events. Organic, anions, and metals analytical results of the quarterly Refinery water supply well samples are summarized and compared to WQCC Standards in Tables 2, 3, and 4, respectively.

Consistent with historical results, chloride was detected in WW-South at concentrations above the WQCC Standard of 250 mg/L during all four quarterly sampling events ranging from 254 mg/L in October 2025 to 284 mg/L (duplicate sample) in January 2025. TDS has historically exceeded the WQCC Standard of 1,000 mg/L in WW-South but was detected at concentrations below the WQCC Standard in all four quarterly sampling events ranging from 856 mg/L (duplicate sample) in January 2025 to 960 mg/L (duplicate sample) in April 2025. None of the remaining inorganic analytes were detected at concentrations above their respective WQCC Standards in any of the samples.

Chloroform was detected at J-flagged estimated concentrations in WW-South during January and April 2025 quarterly sampling events but was not detected above the MDL during the July and October 2025 events. The January and April 2025 chloroform concentrations were consistent with historical results and at least two orders of magnitude below the WQCC Standard of 0.1 mg/L.

Naphthalene was detected by Method 8270 (SVOC) at a J-flagged estimated concentration of 0.000160 J mg/L (duplicate sample) below the applicable WQCC Standard of 0.03 mg/L in WW-South during the January 2025 quarterly sampling event. This was the first and only naphthalene detection in WW-South. However, naphthalene was not detected in the

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original/parent sample by Method 8270 or either the original/parent and duplicate sample pair by Method 8260 (VOC) during the January 2025 event.

Total phenols was detected at a J-flagged estimated concentration of 0.00227 J mg/L below the WQCC Standard of 0.005 mg/L in WW-East during the October 2025 quarterly sampling event. Estimated detections of total phenols were reported periodically in WW-East between 2017 and 2020. Phenols will continue to be monitored in 2026.

TPH DRO was detected at estimated J-flagged concentrations in WW-South and WW-East during the July 2025 event. TPH DRO was detected above the RDL in well WW-South during the October 2025 event but was not detected above the MDL in the associated field duplicate. TPH DRO concentrations in the water supply wells during 2025 ranged from an estimated 0.0687 J mg/L in July 2025 to 0.108 mg/L in October 2025 in WW-South. TPH GRO was not detected in any of the water supply wells during all four 2025 quarterly sampling events. There is no WQCC Standard for TPH DRO or TPH GRO. No indicator VOCs or SVOCs associated with TPH mixtures were detected above their respective WQCC Standard in samples collected from any of the Refinery water supply wells.

Water from the Refinery water supply wells poses no risk associated with continued use in Refinery restrooms and safety showers based on these results.

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6.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Three water samples, one field duplicate, and one trip blank were collected on January 15, 2025. Twenty-six water samples, three field duplicates, two equipment blanks, and two trip blanks were collected on April 3, 2025. Two water samples, one field duplicate, and one trip blank were collected on July 31, 2025. Thirteen water samples, two field duplicates, one equipment blank, and two trip blanks were collected on October 9, 2025. These samples were submitted to Pace National in Mount Juliet, Tennessee, for analysis.

TRC Quality Assurance (QA) staff reviewed resultant data. Four data packages identified as L1817497, L1843532, L1884056, and L1906747 were reviewed. Data were reviewed for compliance with the analytical protocols used for sample analysis and laboratory-defined quality control (QC) limits. Items reviewed during the data validation process included the following:

- Sample integrity, preservation, and holding times
- Blank analyses
- Surrogate recoveries
- Matrix spike and matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs)
- Laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recoveries and RPDs
- Field duplicate and laboratory duplicate results
- Sample documentation

QC data indicate that measurement data are sufficient to meet method quality objectives, reported data are defensible, and QC mechanisms were generally effective in ensuring measurement data reliability within the expected limits of sampling and analytical error with the following exceptions.

- In April and October 2025, total mercury recovered significantly below the acceptance limits (i.e., <30%) in the MS/MSD analyses performed on sample MW-33. Therefore, the nondetect mercury results in sample MW-33 from April and October 2025 are not usable for project objectives.

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- In April 2025, acetone did not recover (i.e., 0%) in the MS/MSD analyses performed on sample MW-33. Therefore, the nondetect acetone result in sample MW-33 is not usable for project objectives.

Complete QA/QC data review results are provided in Appendix E.

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7.0 2025 RELEASES AND REMEDIATION ACTIVITIES

Per Item 2.G of the Permit issued on November 16, 2022, all leaks, spills, and releases during the calendar year will be summarized in Annual Facility-Wide Groundwater Monitoring Reports. The releases are discussed further in Section 7.1. Throughout 2025, HFSNR continued to recover LNAPL associated with the historical release discovered at the asphalt loading rack in November 2015 as discussed further in Section 7.2.

7.1 2025 Releases

Releases that occurred at the Refinery in 2025 and corrective actions taken are summarized in Table 5. All releases occurred within the active operating Refinery that is continuously secured to prevent access from unauthorized personnel and the general public. None of the releases occurred from the stormwater retention pond or firewater pond.

No releases occurred during 2025 that met the definition of a major release under 19.15.29.7 NMAC based on total volume (i.e., greater than 25 barrels), except for a small fire that occurred on November 19, 2025. The ten remaining releases did not meet the definition of a minor release under 19.15.29.7 NMAC as they were of volumes less than 5 barrels.

7.2 Remediation Activities – Asphalt Loading Rack (LNAPL Recovery at MW-31)

HFSNR has conducted routine LNAPL recovery at monitoring well MW-31 since LNAPL was discovered in this well in February 2017. A passive skimmer (Petro-Bailer™) was installed and maintained in MW-31 through March 2019, and the skimmer was emptied on a daily to weekly basis. In addition to the passive skimmer, LNAPL was manually bailed from MW-31 on a primarily weekly basis from February 2018 through March 2019. In April 2019, HFSNR installed a pneumatic skimmer pump system (Geotech SpOILer System) in MW-31 that was programmed to operate at regular intervals to continuously recover LNAPL and reduce in-well apparent LNAPL thickness.

Throughout 2025, HFSNR conducted operation and maintenance (O&M) of the recovery system on at least a weekly basis, but gauging of the well was only conducted when the skimmer pump was removed for more intensive O&M and optimization events on a quarterly basis. Fluid gauging and LNAPL recovery results to date are summarized in Appendix F. Approximately 91 gallons of LNAPL were recovered by the pneumatic skimmer pump system from MW-31 during 2025. An approximate total of 2,157 gallons of LNAPL have been recovered manually or by the pneumatic skimmer pump system from MW-31 since February 2017. Apparent LNAPL thickness in MW-31 increased during 2025 but were notably lower than the LNAPL thicknesses during 2024. The apparent LNAPL thickness in MW-31 increased from January 2025 (0.08 feet) to April

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2025 (1.14 feet), July 2025 (1.26 feet), and October 2025 (5.61 feet). The increased apparent LNAPL thickness in MW-31 during October 2025 is attributed to the system being off for repairs from September 9 to October 9, 2025. The skimmer system has operated with no issues since the last repair.

HFSNR will continue to monitor and evaluate recovery system data and adjust system operation parameters as necessary in order to optimize recovery. Apparent in-well LNAPL thickness fluctuates with the water table because it relates to the hydrogeologic conditions and characteristics of the LNAPL and soil and is therefore a poor indicator of LNAPL mobility and recoverability. O&M activities will be conducted on at least a weekly basis with more intensive maintenance activities (including optimization) conducted on at least a quarterly basis.

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8.0 CONCLUSIONS

Conclusions based on data collected during groundwater monitoring activities conducted during calendar year 2025 are discussed below.

Groundwater flow directions were consistent with previous groundwater monitoring events. Groundwater elevations decreased an average of 2.36 feet from April 2024 to April 2025 and 1.02 feet from October 2024 to October 2025. Groundwater elevations have continually decreased from June 2009 to October 2025 and groundwater elevations in a few wells are approaching or have approached their current total depth. These reductions in groundwater elevation are likely caused by limited recharge and active regional pumping. Groundwater elevations in the Refinery's monitoring well network will be closely monitored during future events and evaluated for potential well replacement. Consistent with previous results, LNAPL was detected in monitoring well MW-31. The apparent LNAPL thickness in MW-31 ranged from 0.08 feet to 5.61 feet during the 2025 quarterly visits.

Analytical results of groundwater samples collected during semi-annual groundwater monitoring events conducted in April 2025 and October 2025 indicated the following:

- No VOCs or SVOCs were reported at concentrations above WQCC Standards in any well during the reporting period.
- TPH DRO was detected above the RDL in well MW-32 in April 2025 and wells MW-32, MW-33, and WW-South in October 2025. TPH DRO was detected at an estimated J-flagged concentration below the RDL in MW-33 in April 2025 and WW-South and WW-East in July 2025. TPH GRO was not detected in any well during 2025. There is no WQCC Standard for TPH GRO and TPH DRO; no indicator VOCs or SVOCs associated with TPH mixtures were detected above their respective WQCC Standard in samples collected from any of these wells.
- Anions were reported at concentrations above the WQCC Standard for chloride (wells MW-11R, MW-13R, MW-15R, and WW-South), fluoride (well MW-24R), and nitrate (well MW-32) in April 2025; and chloride (wells MW-13R, MW-15R, and WW-South) in October 2025.
- TDS was reported at concentrations above its WQCC Standard in wells MW-2, MW-8, MW-11R, MW-13R, MW-15R, and MW-33 in April 2025; and in wells MW-8, MW-13R, MW-15R, and MW-33 in October 2025.

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- Metals were reported at concentrations above the WQCC Standard for iron, manganese, and uranium 238 in well MW-33 and for manganese in well MW-32 in April 2025; and iron, manganese, and uranium 238 in well MW-33 in October 2025.

The presence of select anions, TDS, and select metals at concentrations above WQCC Standards at select well locations is due to off-site sources, background concentrations, and/or non-HFSNR sources at the Refinery. No constituents attributable to Refinery sources or operations, as discussed in the December 2013 *Refinery Investigation Report*, exceeded WQCC Standards in wells located along the southeastern Refinery boundary (wells MW-12R2, MW-14R, MW-32, and MW-33), which is the natural downgradient portion of the facility (i.e., if active pumping from the Refinery water supply wells ceased). Groundwater pumping from Refinery water supply wells WW-East, WW-North, and WW-South for industrial use causes radial groundwater flow towards a cone of depression at the central portion of the Refinery preventing off-site migration of constituents but also enables on-site migration of constituents from potential off-site sources (e.g., active oil production and injection wells).

WQCC Standards were not exceeded in any of the quarterly samples collected from Refinery water supply wells WW-North, WW-South, and WW-East except for chloride in WW-South. Based on these results, the water poses no risk associated with continued use in Refinery restrooms and safety showers.

LNAPL was continually recovered from MW-31 throughout 2025 using the pneumatic skimmer pump system. A total of 91 gallons of LNAPL was recovered from MW-31 during 2025.

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9.0 WORK PLANNED OR PROPOSED FOR 2026

The following summarizes the scope of work planned for 2026 at the Refinery:

- Continue to implement semi-annual groundwater monitoring and annual reporting activities in accordance with the 2024 FWGMWP that was approved by OCD on March 12, 2024. HFSNR will continue to evaluate the sampling plan and recommend revisions based on historical analytical trends in groundwater.
- Continue to implement quarterly monitoring of Refinery water supply wells in accordance with OCD's May 16, 2014, letter, HFSNR's response letter on June 20, 2014, and the 2024 FWGMWP.
- Conduct routine LNAPL recovery at well MW-31 using the pneumatic skimmer pump system. O&M activities will continue to be conducted on at least a weekly basis with more intensive maintenance activities (including optimization) to be conducted on at least a quarterly basis.
- Evaluate and potentially replace monitor wells that are screened at depths too shallow for optimal monitoring of the current groundwater elevation, which has continually decreased since June 2009.
- P&A and replace dry well MW-2 with a deeper monitoring well.
- In accordance with the OCD-approved 2024 FWGMWP, separate analyses of nitrite and nitrate will be replaced with combined nitrate/nitrite analysis for comparison to the nitrate WQCC Standard if nitrite is not detected in a well for four consecutive sampling events. The following wells have at least four consecutive sampling events with no detections of nitrite and will be replaced with the combined nitrate/nitrite analysis in 2026: MW-2, MW-3, MW-5, MW-6, MW-8, MW-10, MW-11R, MW-12R2, MW-13R, MW-14R, MW-15R, MW-16R, MW-18R, MW-19R, MW-20R, MW-23R, MW-24R, MW-26R, MW-32, MW-33, WW-North, WW-South, and WW-East.

HFSNR proposes removing interior dry wells MW-4 and MW-30 from the monitoring program based on the rationale provided below. These wells will be P&A'd upon OCD approval.

- Monitoring wells MW-4 and MW-30 are constructed too shallow for the current groundwater regime (i.e., dry wells since April 2025 and October 2023, respectively) and are not critical to determine and monitor the groundwater flow direction and gradient or monitor the nature and extent of dissolved-phase organic and inorganic constituents in groundwater. Other existing monitoring wells located in all directions of MW-4 and

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MW-30 (e.g., MW-1, MW-2, MW-6, MW-11R, MW-15R, MW-16R, and MW-29R) fulfill these monitoring objectives in the vicinity of these dry wells.

- Reported concentrations in MW-4 have never exceeded WQCC Standards during routine groundwater monitoring conducted between 2009 and 2024.
- Only two reported constituents (fluoride and total phenols) have exceeded WQCC standards in MW-30, and neither have exceeded WQCC Standards since 2018. The only WQCC Standard exceedances in MW-30 were fluoride in June 2013 and August 2015 and total phenols in August 2017 and April 2018. However, both exceedances of the total phenols WQCC Standard were likely attributed to contributions from equipment or laboratory sources as total phenols was also detected in the associated equipment blank or laboratory blank during these events.
- Wells MW-4 and MW-30 are located within the northern portion of the Refinery cross-gradient to each other between Tanks 1201A to D (upgradient) and the process area (downgradient), and the monitoring well network provides adequate coverage without these wells. Wells cross-gradient (MW-16R and MW-2) and downgradient (MW-1, MW-6, and/or MW-11R) of MW-4 and MW-30 provide adequate coverage to monitor dissolved-phase organic and inorganic constituents in groundwater downgradient of Tanks 1201A to D or upgradient of the process area and to monitor the groundwater flow direction and gradient in this area.

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FIGURES

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Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:
TRC - GIS

LEGEND

- LW - CITY OF LOVINGTON WATER WELL
- RAIL
- FENCE

SOURCE: BASEMAP: "WORLD IMAGERY" ESRI SERVICE LAYER (12/09/2024)

0 350 700 FEET
1" = 700'
1:8,400

N

505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
REFINERY VICINITY MAP

DRAWN BY:	B. MEDEIROS
CHECKED BY:	P. SHIN
APPROVED BY:	A. ELJURI
DATE:	APRIL 2026
PROJ. NO.:	700929
FILE:	700929_GW_Monitoring.aprx

FIGURE 1

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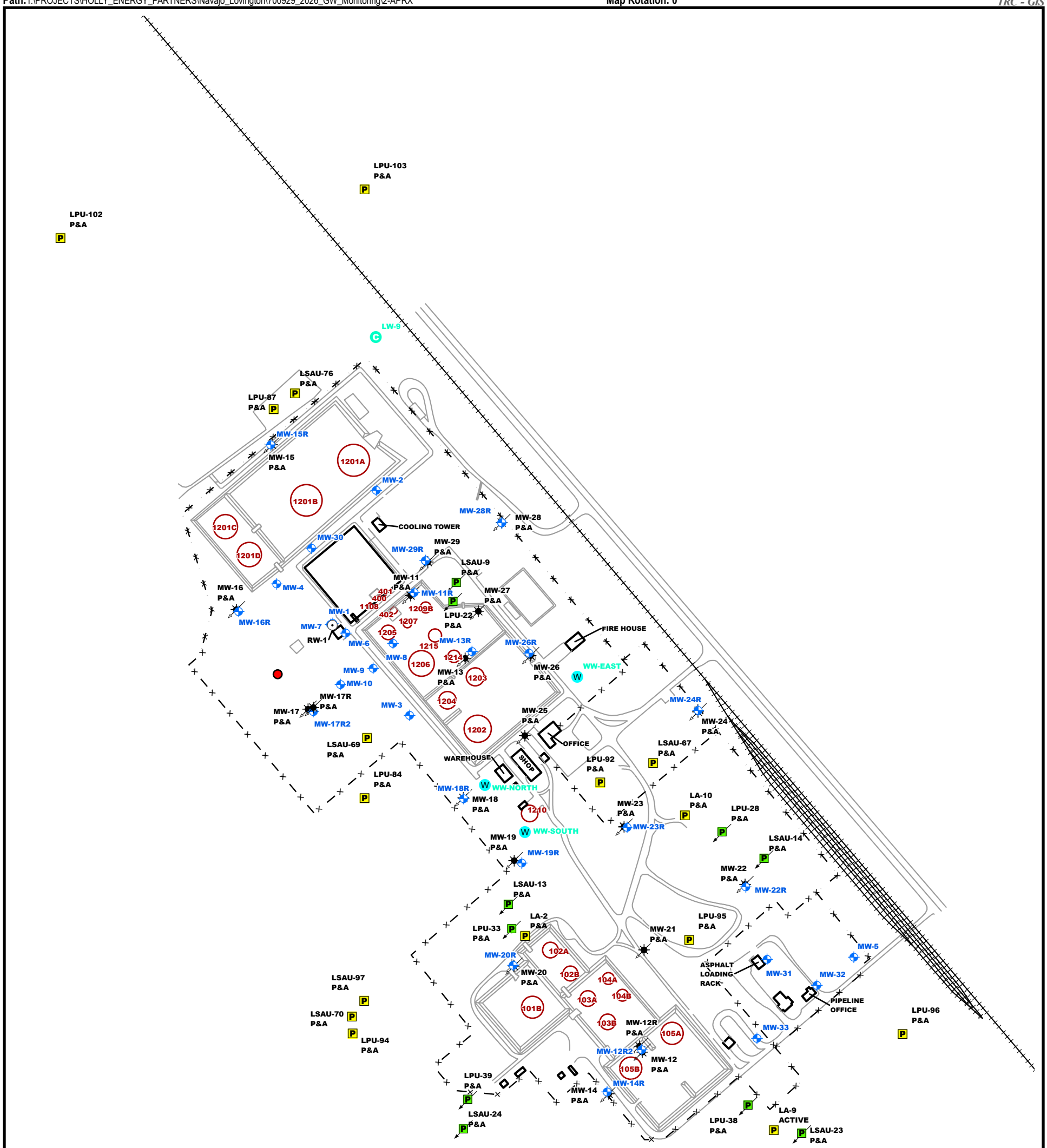
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation: 0

TRC - GIS



LEGEND

- MONITORING WELL
- MONITORING WELL - PLUGGED AND ABANDONED (P&A)
- RECOVERY WELL
- OIL PRODUCTION WELL
- OIL PRODUCTION WELL CONVERTED TO INJECTION WELL
- WATER WELL
- CITY OF LOVINGTON WATER WELL
- FLARE
- RAIL
- FENCE
- BUILDINGS
- TANKS

0 250 500 FEET
1" = 500 ft
1:6,000

N

TRC
505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
REFINERY SITE PLAN

DRAWN BY:	B. MEDEIROS
CHECKED BY:	P. SHIN
APPROVED BY:	A. ELJURI
DATE:	APRIL 2026
PROJ. NO.:	700929
FILE:	700929_GW_Monitoring.aprx

FIGURE 2

Plot Date: 10/9/2025, 16:41:28 PM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
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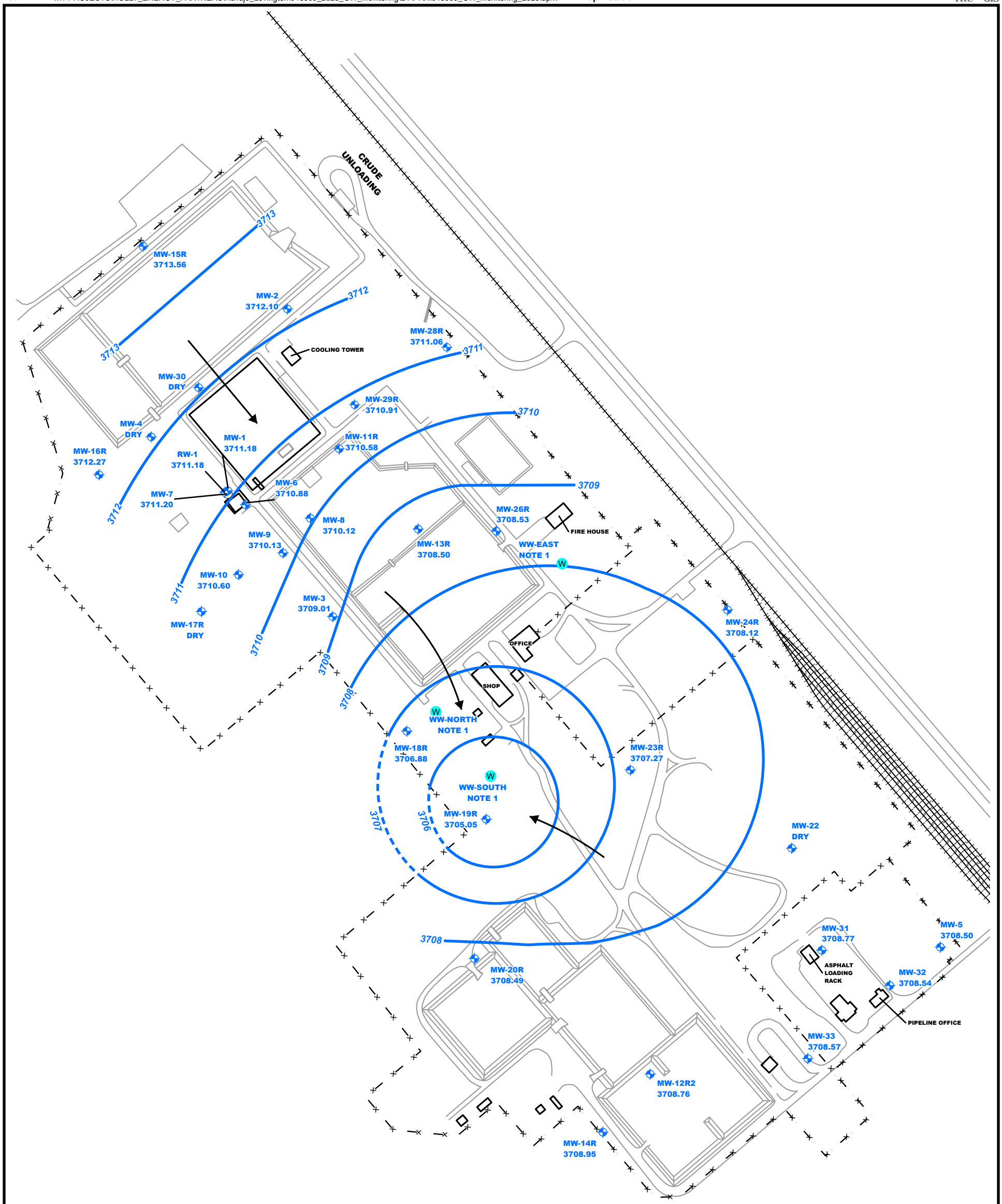
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:
TRC - GIS



NOTE:
1. WELLS GAUGED ON APRIL 3, 2025.

LEGEND

- GROUNDWATER CONTOURS (DASHED WHERE INFERRED)
- MONITORING WELL
- RECOVERY WELL
- WATER WELL
- FENCE
- RAIL
- GROUNDWATER FLOW DIRECTION
- 3708.95 GROUNDWATER ELEVATION (FEET)
- BUILDINGS

0 175 350 FEET
1" = 350 FT
1:4,200
N

TRC
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Suite #250
Austin, TX 78752
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PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
GROUNDWATER POTENTIOMETRIC SURFACE MAP - APRIL 2025

DRAWN BY:	B. MEDEIROS
CHECKED BY:	A. ELJURI
APPROVED BY:	J. SPEER
DATE:	OCTOBER 2025
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 3

Plot Date: 4/9/2026, 11:31:52 AM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
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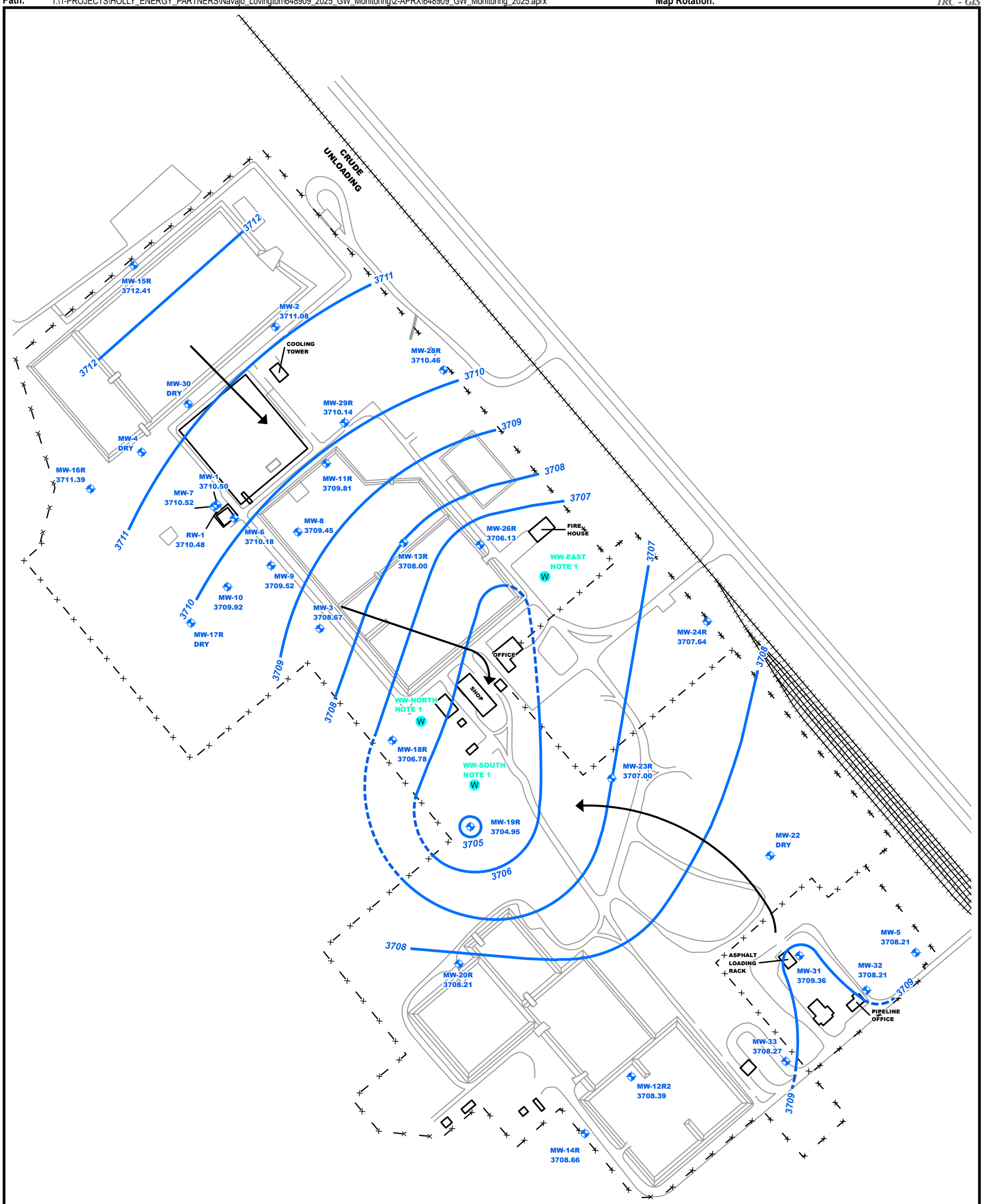
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:
TRC - GIS



NOTE:
1. WATER WELL NOT ACCESSIBLE FOR GAUGING.
2. WELLS GAUGED ON OCTOBER 9, 2025.

LEGEND

- GROUNDWATER CONTOURS (DASHED WHERE INFERRED)
- MONITORING WELL
- RECOVERY WELL
- WATER WELL
- FENCE
- RAIL
- GROUNDWATER FLOW DIRECTION
- 3712.41 GROUNDWATER ELEVATION (FEET)
- BUILDINGS

0 175 350 FEET
1" = 350 FT
1:4,200
N

TRC
505 East Huntland Drive
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Austin, TX 78752
Phone: 512.329.6080

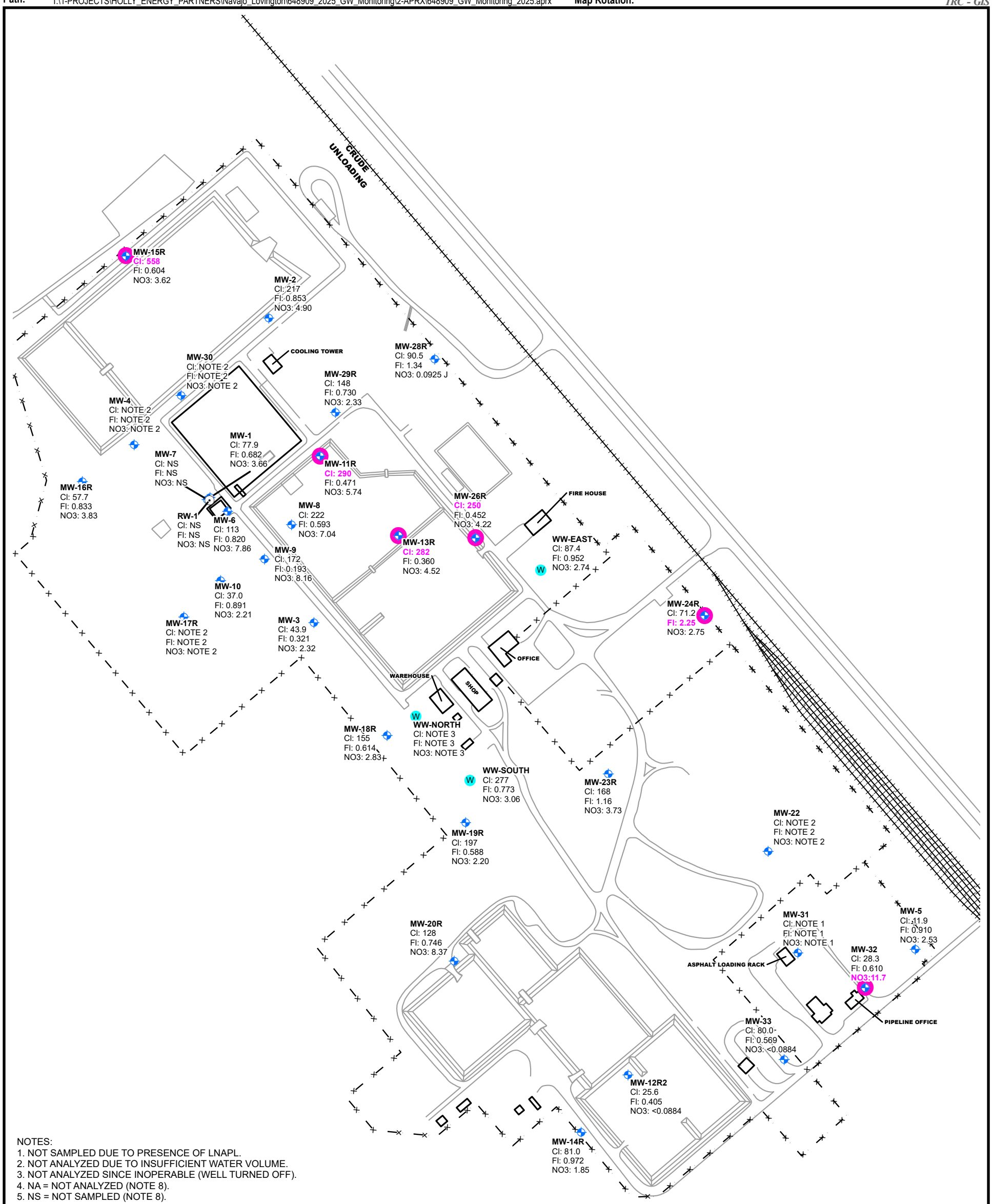
PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
GROUNDWATER POTENTIOMETRIC SURFACE MAP - OCTOBER 2025

DRAWN BY:	B. MEDEIROS
CHECKED BY:	A. ELJURI
APPROVED BY:	J. SPEER
DATE:	APRIL 2026
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 4

Plot Date: 10/14/2025, 13:49:09 PM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\Navajo_Lovington\648909_2025_GW_Monitoring\2-APRX\648909_GW_Monitoring_2025.aprx
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:
TRC - GIS



NOTES:
1. NOT SAMPLED DUE TO PRESENCE OF LNAPL.
2. NOT ANALYZED DUE TO INSUFFICIENT WATER VOLUME.
3. NOT ANALYZED SINCE INOPERABLE (WELL TURNED OFF).
4. NA = NOT ANALYZED (NOTE 8).
5. NS = NOT SAMPLED (NOTE 8).
6. ALL CONENTRATIONS IN MILLIGRAM PER LITER (mg/L).
7. CHLORIDE, FLUORIDE, AND NITRATE CONCENTRATIONS SHOWN FOR ALL WELLS BECAUSE THEY ARE THE ONLY ANIONS THAT EXCEEDED THEIR RESPECTIVE WQCC STANDARDS.
8. IN ACCORDANCE WITH JANUARY 2024 REVISED FACILITY-WIDE GROUNDWATER MONITORING WORK PLAN.

LABEL KEY:
CI: 81.0 - CHLORIDE CONCENTRATION (WQCC STANDARD = 250 mg/L)
FI: 0.972 - FLUORIDE CONCENTRATION (WQCC STANDARD = 1.6 mg/L)
NO3: 1.85 - NITRATE CONCENTRATION (WQCC STANDARD = 10.0 mg/L)

PINK HIGHLIGHTED VALUES IN EXCEEDANCE OF WATER QUALITY CONTROL COMMISSION (WQCC) STANDARD.

LEGEND

- MONITORING WELL
- RECOVERY WELL
- WATER WELL
- WQCC STANDARD EXCEEDED AT THIS LOCATION
- RAIL
- FENCE
- BUILDINGS

0 175 350 FEET
1" = 350'
1:4,200
N

TRC
505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

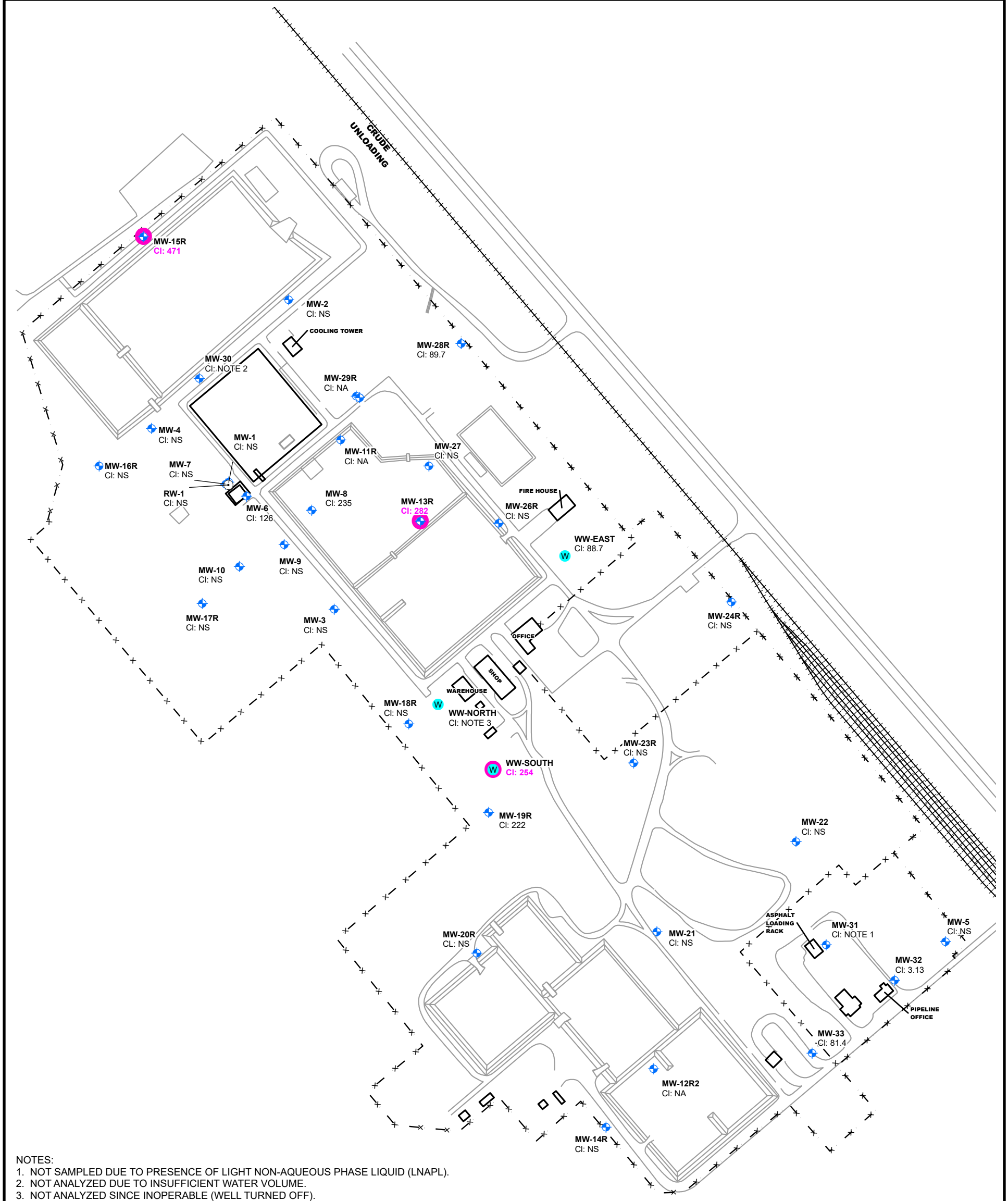
TITLE:
ANIONS CONCENTRATION MAP - APRIL 2025

DRAWN BY:	B. MEDEIROS
CHECKED BY:	A. ELJURI
APPROVED BY:	J. SPEER
DATE:	OCTOBER 2025
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 5

Plot Date: 12/26/2025, 09:09:25 AM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\Navajo_Lovington\648909_2025_GW_Monitoring\2-APRX\648909_GW_Monitoring_2025.aprx
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:

TRC - GIS



NOTES:
1. NOT SAMPLED DUE TO PRESENCE OF LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL).
2. NOT ANALYZED DUE TO INSUFFICIENT WATER VOLUME.
3. NOT ANALYZED SINCE INOPERABLE (WELL TURNED OFF).
4. NA = NOT ANALYZED (NOTE 7).
5. NS = NOT SAMPLED (NOTE 7).
6. ALL CONCENTRATIONS IN MILLIGRAMS PER LITER (mg/L).
7. CHLORIDE CONCENTRATIONS SHOWN FOR ALL WELLS BECAUSE IT IS THE ONLY ANION THAT EXCEEDED ITS RESPECTIVE WQCC STANDARD.
8. IN ACCORDANCE WITH JANUARY 2024 FACILITY-WIDE GROUNDWATER MONITORING WORK PLAN.

LABEL KEY:
Cl: 254 - CHLORIDE CONCENTRATION (WQCC STANDARD = 250 mg/L)

CHLORIDE DETECTIONS GREATER THAN 250 MG/L ARE HIGHLITED.

LEGEND

- MONITORING WELL
- RECOVERY WELL
- WATER WELL
- WQCC STANDARD EXCEEDED AT THIS LOCATION
- RAIL
- FENCE
- BUILDINGS

0 175 350 FEET
1" = 350'
1:4,200
N

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Austin, TX 78752
Phone: 512.329.6080

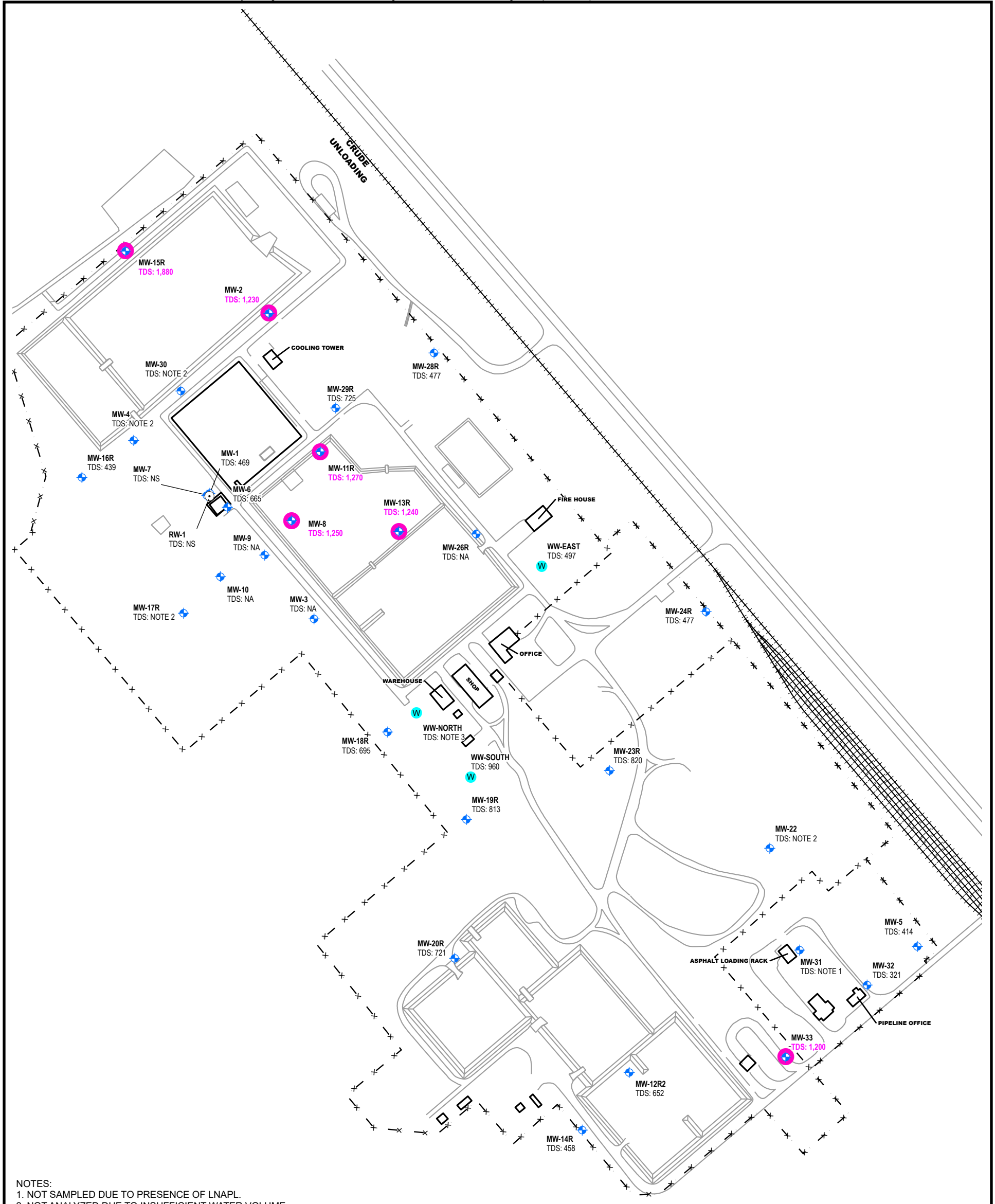
PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
ANIONS CONCENTRATION MAP - OCTOBER 2025

DRAWN BY:	B. MEDEIROS
CHECKED BY:	A. ELJURI
APPROVED BY:	J. SPEER
DATE:	DECEMBER 2025
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 6

Plot Date: 10/10/2025, 09:45:25 AM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\Navajo_Lovington\648909_2025_GW_Monitoring\2-APRX\648909_GW_Monitoring_2025.aprx
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:



NOTES:
1. NOT SAMPLED DUE TO PRESENCE OF LNAPL.
2. NOT ANALYZED DUE TO INSUFFICIENT WATER VOLUME.
3. NOT ANALYZED SINCE INOPERABLE (WELL TURNED OFF).
4. NA = NOT ANALYZED (NOTE 7).
5. NS = NOT SAMPLED (NOTE 7).
6. ALL CONENTRATIONS IN MILLIGRAM PER LITER (mg/L).
7. IN ACCORDANCE WITH JANUARY 2024 REVISED FACILITY-WIDE GROUNDWATER MONITORING WORK PLAN.

LABEL KEY:
TDS: 458 - TOTAL DISSOLVED SOLIDS CONCENTRATION (WQCC STANDARD = 1,000 mg/L)

PINK HIGHLIGHTED VALUES IN EXCEEDANCE OF WATER QUALITY CONTROL COMMISSION (WQCC) STANDARD.

LEGEND

- MONITORING WELL
- RECOVERY WELL
- WATER WELL
- WQCC STANDARD EXCEEDED AT THIS LOCATION
- RAIL
- FENCE
- BUILDINGS

0 175 350 FEET
1" = 350'
1:4,200

N

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505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

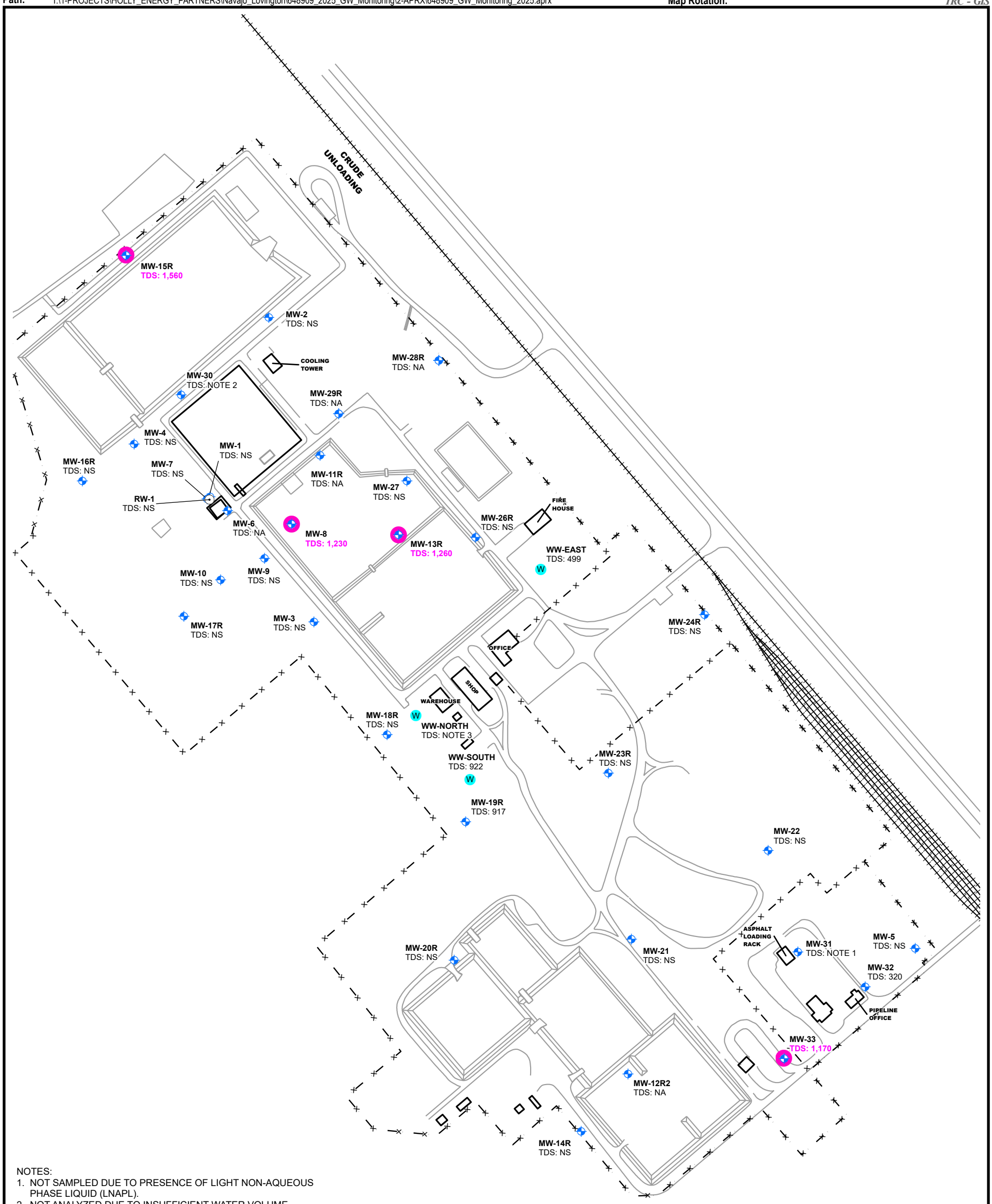
PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
TOTAL DISSOLVED SOLIDS CONCENTRATION MAP - APRIL 2025

DRAWN BY:	B. MEDEIROS
CHECKED BY:	A. ELJURI
APPROVED BY:	J. SPEER
DATE:	OCTOBER 2025
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 7

Plot Date: 12/26/2025, 11:18:49 AM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\Navajo_Lovington\648909_2025_GW_Monitoring\2-APRX\648909_GW_Monitoring_2025.aprx
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:
TRC - GIS



NOTES:
1. NOT SAMPLED DUE TO PRESENCE OF LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL).
2. NOT ANALYZED DUE TO INSUFFICIENT WATER VOLUME.
3. NOT ANALYZED SINCE INOPERABLE (WELL TURNED OFF).
4. NA = NOT ANALYZED (NOTE 7).
5. NS = NOT SAMPLED (NOTE 7).
6. ALL CONCENTRATIONS IN MILLIGRAMS PER LITER (mg/L).
7. IN ACCORDANCE WITH JANUARY 2024 FACILITY-WIDE GROUNDWATER MONITORING WORK PLAN.

LABEL KEY:
TDS: 1,260 - TOTAL DISSOLVED SOLIDS CONCENTRATION (WQCC STANDARD = 1,000 mg/L)

TDS DTECTIONS GREATER THAN 1,000 MG/L ARE HIGHLIGHTED.

LEGEND

MONITORING WELL
RECOVERY WELL
WATER WELL
WQCC STANDARD EXCEEDED AT THIS LOCATION
RAIL
FENCE
BUILDINGS

0 175 350 FEET
1" = 350'
1:4,200

N

TRC
505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

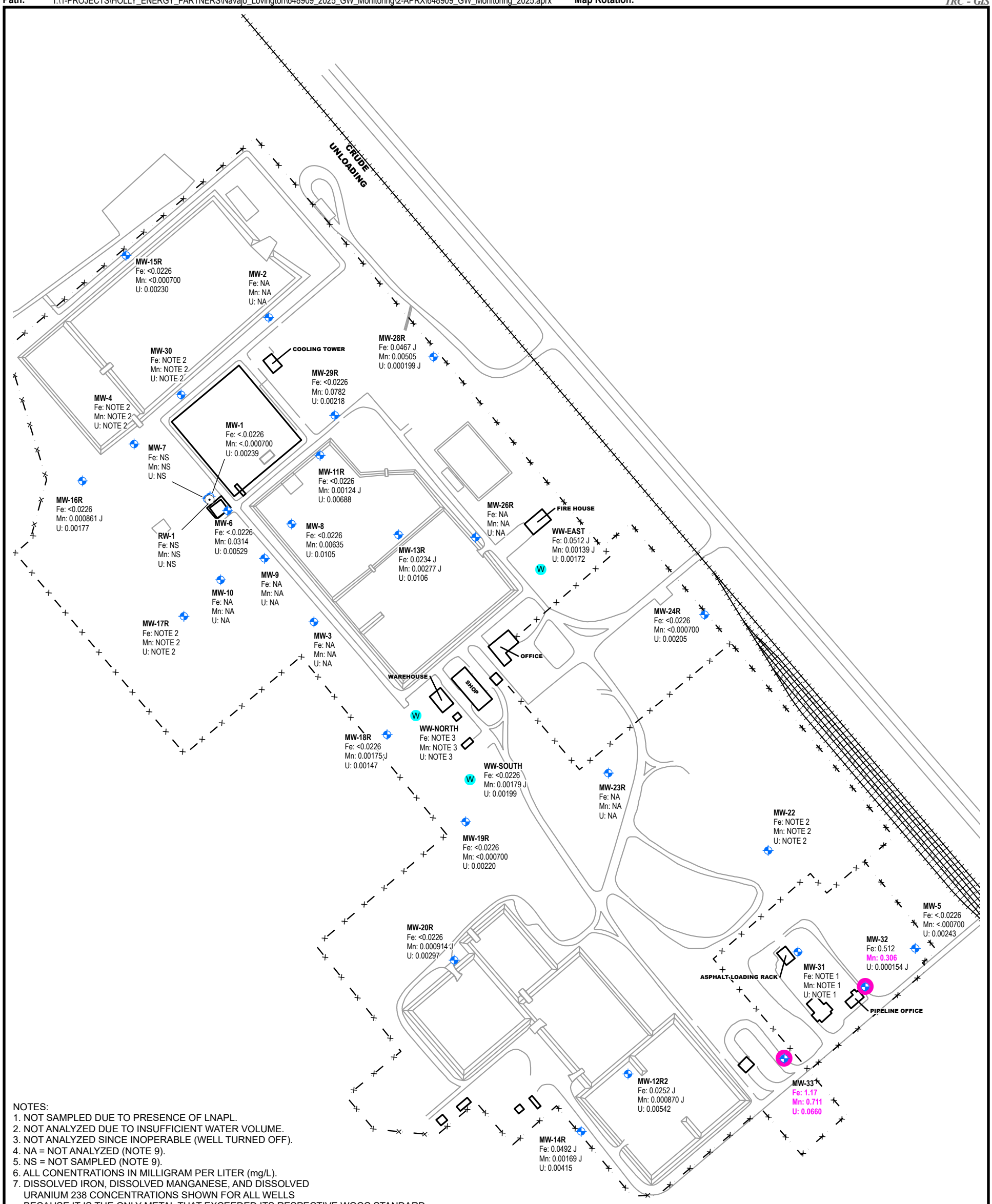
PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
TOTAL DISSOLVED SOLIDS CONCENTRATION MAP - OCTOBER 2025

DRAWN BY:	B. MEDEIROS
CHECKED BY:	A. ELJURI
APPROVED BY:	J. SPEER
DATE:	DECEMBER 2025
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 8

Plot Date: 10/10/2025, 09:45:25 AM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\Navajo_Lovington\648909_2025_GW_Monitoring\2-APRX\648909_GW_Monitoring_2025.aprx
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:
TRC - GIS



NOTES:
1. NOT SAMPLED DUE TO PRESENCE OF LNAPL.
2. NOT ANALYZED DUE TO INSUFFICIENT WATER VOLUME.
3. NOT ANALYZED SINCE INOPERABLE (WELL TURNED OFF).
4. NA = NOT ANALYZED (NOTE 9).
5. NS = NOT SAMPLED (NOTE 9).
6. ALL CONENTRATIONS IN MILLIGRAM PER LITER (mg/L).
7. DISSOLVED IRON, DISSOLVED MANGANESE, AND DISSOLVED URANIUM 238 CONCENTRATIONS SHOWN FOR ALL WELLS BECAUSE IT IS THE ONLY METAL THAT EXCEEDED ITS RESPECTIVE WQCC STANDARD.
8. J = ANALYTE DETECTED BELOW REPORTING LIMIT, ESTIMATED VALUE.
9. IN ACCORDANCE WITH JANUARY 2024 REVISED FACILITY-WIDE GROUNDWATER MONITORING WORK PLAN.

LABEL KEY:
Fe: 0.0492 - DISSOLVED IRON CONCENTRATION (WQCC STANDARD = 1.0 mg/L)
Mn: 0.00169 - DISSOLVED MANGANESE CONCENTRATION (WQCC STANDARD = 0.2 mg/L)
U: 0.00415 - DISSOLVED URANIUM 238 CONCENTRATION (WQCC STANDARD = 0.03 mg/L)

PINK HIGHLIGHTED VALUES IN EXCEEDANCE OF WATER QUALITY CONTROL COMMISSION (WQCC) STANDARD.

LEGEND

- MONITORING WELL
- RECOVERY WELL
- WATER WELL
- WQCC STANDARD EXCEEDED AT THIS LOCATION
- RAIL
- FENCE
- BUILDINGS

0 175 350 FEET
1" = 350'
1:4,200
N

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Suite #250
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Phone: 512.329.6080

PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

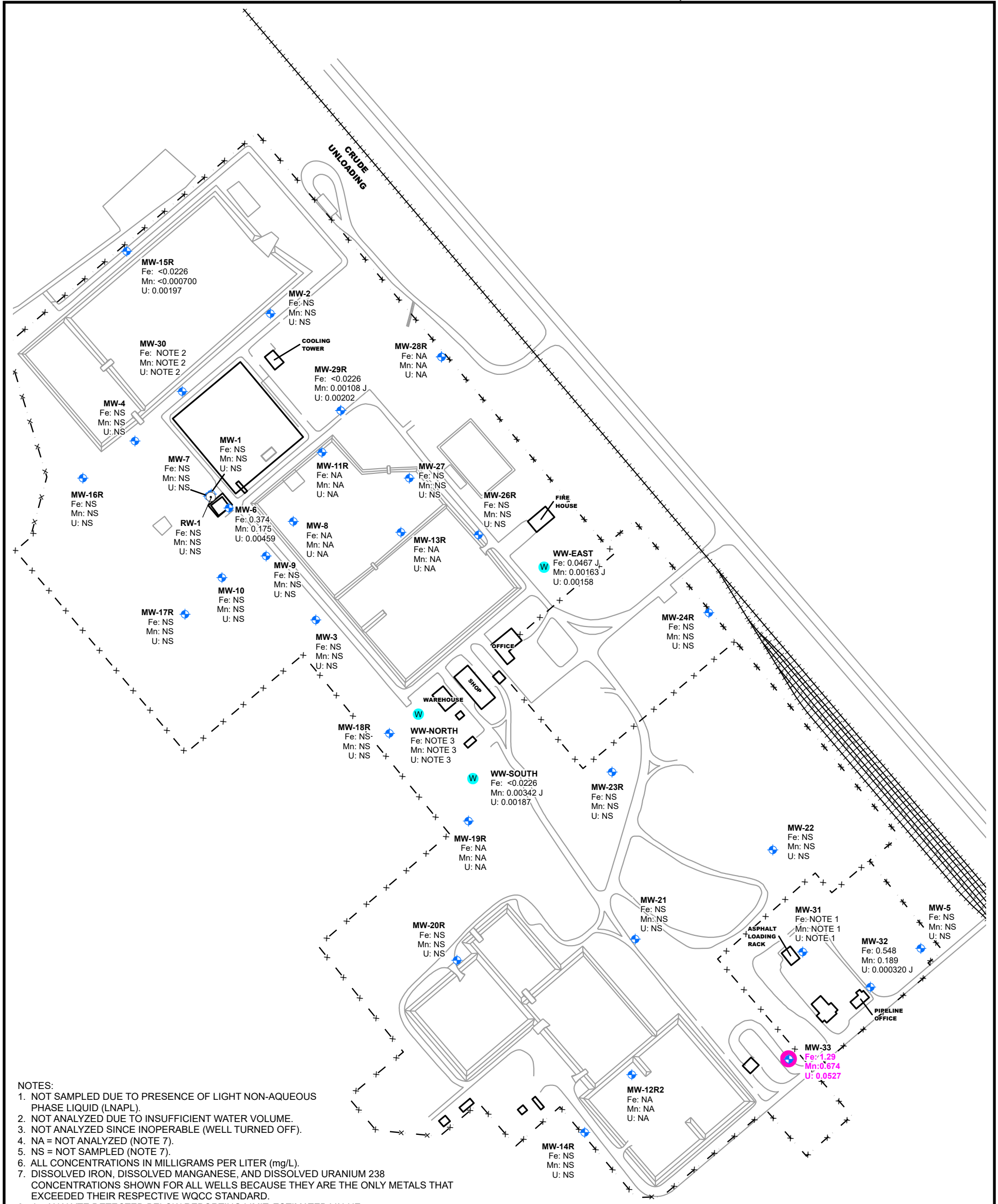
TITLE:
METALS CONCENTRATION MAP - ARRIL 2024

DRAWN BY:	B. MEDEIROS
CHECKED BY:	A. ELJURI
APPROVED BY:	J. SPEER
DATE:	OCTOBER 2025
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 9

Plot Date: 12/26/2025, 11:18:49 AM by BMEDEIROS -- LAYOUT: ANSI B (11"x17")
Path: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\Navajo_Lovington\648909_2025_GW_Monitoring\2-APRX\648909_GW_Monitoring_2025.aprx
Coordinate System: NAD 1983 UTM Zone 10N (Meter)
Map Rotation:

TRC - GIS



NOTES:
1. NOT SAMPLED DUE TO PRESENCE OF LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL).
2. NOT ANALYZED DUE TO INSUFFICIENT WATER VOLUME.
3. NOT ANALYZED SINCE INOPERABLE (WELL TURNED OFF).
4. NA = NOT ANALYZED (NOTE 7).
5. NS = NOT SAMPLED (NOTE 7).
6. ALL CONCENTRATIONS IN MILLIGRAMS PER LITER (mg/L).
7. DISSOLVED IRON, DISSOLVED MANGANESE, AND DISSOLVED URANIUM 238 CONCENTRATIONS SHOWN FOR ALL WELLS BECAUSE THEY ARE THE ONLY METALS THAT EXCEEDED THEIR RESPECTIVE WQCC STANDARD.
8. J = ANALYTE DETECTED BELOW REPORTING LIMIT, ESTIMATED VALUE.
9. IN ACCORDANCE WITH JANUARY 2024 FACILITY-WIDE GROUNDWATER MONITORING WORK PLAN.

LABEL KEY:
Fe: 1.29 - DISSOLVED IRON CONCENTRATION (WQCC STANDARD = 1.0 mg/L)
Mn: 0.674 - DISSOLVED MANGANESE CONCENTRATION (WQCC STANDARD = 0.2 mg/L)
U: 0.0527 - DISSOLVED URANIUM 238 CONCENTRATION (WQCC STANDARD = 0.03 mg/L)

DISSOLVED IRON DETECTIONS GREATER THAN 1.0 MG/L ARE HIGHLIHTED.
DISSOLVED MANGANESE DETECTIONS GRATER THAN 0.2 MG/L ARE HIGHLIGHTED.
DISSOLVED URANIUM DETECTIONS GREATER THA 0.33 MG/L ARE HIGHLIGHTED.

LEGEND

- MONITORING WELL
- RECOVERY WELL
- WATER WELL
- WQCC STANDARD EXCEEDED AT THIS LOCATION
- RAIL
- FENCE
- BUILDINGS

0 175 350 FEET
1" = 350'
1:4,200

N

TRC
505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

PROJECT:
HF SINCLAIR NAVAJO REFINING LLC
GW-014, LOVINGTON REFINERY, LOVINGTON, NM

TITLE:
METALS CONCENTRATION MAP - OCTOBER 2025

DRAWN BY:	B.MEDEIROS
CHECKED BY:	A.ELJURI
APPROVED BY:	J. SPEER
DATE:	DECEMBER 2025
PROJ. NO.:	648909
FILE:	648909_GW_Monitoring_2025.aprx

FIGURE 10

TABLES

Released to Imaging: 4/17/2026 3:09:37 PM

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-1 [2,6]	3838.40	3838.19	3739.19 to 3709.19	04/30/09	- -	106.35	136.10	0.00	106.35	3732.05	NA
				06/10/09	- -	106.49	NM	0.00	106.49	3731.91	-0.14
				06/19/09	- -	106.57	129.12	0.00	106.57	3731.83	-0.08
				07/02/09	- -	106.74	129.13	0.00	106.74	3731.66	-0.17
				07/24/09	- -	106.83	129.11	0.00	106.83	3731.57	-0.09
				09/24/09	- -	107.31	129.12	0.00	107.31	3731.09	-0.48
				10/27/09	- -	107.44	129.10	0.00	107.44	3730.96	-0.13
				01/13/10	- -	107.57	129.11	0.00	107.57	3730.83	-0.13
				04/01/10	- -	107.51	NM	0.00	107.51	3730.89	0.06
				08/11/10	- -	108.09	129.16	0.00	108.09	3730.31	-0.58
				02/23/11	- -	108.12	129.14	0.00	108.12	3730.28	-0.03
				07/12/11	- -	109.00	129.11	0.00	109.00	3729.40	-0.88
				02/02/12	- -	109.68	129.12	0.00	109.68	3728.72	-0.68
				07/23/12	- -	110.88	128.87	0.00	110.88	3727.52	-1.20
				02/18/13	- -	110.51	129.22	0.00	110.51	3727.89	0.37
				08/19/13	- -	111.55	130.60	0.00	111.55	3726.85	-1.04
				02/24/14	- -	112.49	129.35	0.00	112.49	3725.91	-0.94
				08/18/14	- -	113.37	129.09	0.00	113.37	3725.03	-0.88
				02/23/15	- -	113.82	129.20	0.00	113.82	3724.58	-0.45
				08/24/15	- -	114.56	129.19	0.00	114.56	3723.84	-0.74
				03/07/16	- -	114.81	129.19	0.00	114.81	3723.59	-0.25
				08/15/16	- -	115.42	129.19	0.00	115.42	3722.98	-0.61
				02/06/17	- -	115.81	129.19	0.00	115.81	3722.59	-0.39
				06/22/17	- -	115.88	129.22	0.00	115.88	3722.52	-0.07
				08/17/17	- -	116.34	129.22	0.00	116.34	3722.06	-0.46
				04/05/18	- -	116.63	129.22	0.00	116.63	3721.77	-0.29
				10/01/18	- -	116.67	129.22	0.00	116.67	3721.73	-0.04
				04/04/19	- -	118.06	129.22	0.00	118.06	3720.34	-1.39
				10/24/19	- -	119.35	129.22	0.00	119.35	3719.05	-1.29
				06/18/20	- -	120.01	129.22	0.00	120.01	3718.39	-0.66
				10/08/20	- -	120.91	129.22	0.00	120.91	3717.49	-0.90
				04/15/21	- -	120.94	129.22	0.00	120.94	3717.46	-0.03
				09/16/21	- -	121.49	129.22	0.00	121.49	3716.91	-0.55
				04/14/22	- -	121.24	129.22	0.00	121.24	3717.16	0.25
				10/13/22	- -	122.49	129.22	0.00	122.49	3715.91	-1.25
				03/23/23	- -	122.70	129.22	0.00	122.70	3715.70	-0.21
				10/05/23	- -	123.87	129.22	0.00	123.87	3714.53	-1.17
				04/04/24	- -	124.31	129.22	0.00	124.31	3714.09	-0.44
				10/03/24	- -	126.53	129.22	0.00	126.53	3711.87	-2.22
				04/03/25	- -	127.22	129.22	0.00	127.22	3711.18	-0.69
				10/09/25	- -	127.90	129.22	0.00	127.90	3710.50	-0.68

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-2 [2,6]	3837.35	3837.27	3740.94 to 3710.94	06/22/09	- -	104.32	126.41	0.00	104.32	3733.03	NA
				01/13/10	- -	105.44	126.68	0.00	105.44	3731.91	-1.12
				08/11/10	- -	105.97	126.42	0.00	105.97	3731.38	-0.53
				02/23/11	- -	105.92	126.46	0.00	105.92	3731.43	0.05
				07/12/11	- -	107.22	126.47	0.00	107.22	3730.13	-1.30
				01/30/12	- -	107.55	126.47	0.00	107.55	3729.80	-0.33
				07/23/12	- -	108.72	126.48	0.00	108.72	3728.63	-1.17
				02/18/13	- -	108.15	126.69	0.00	108.15	3729.20	0.57
				08/19/13	- -	109.43	126.75	0.00	109.43	3727.92	-1.28
				02/24/14	- -	110.59	127.70	0.00	110.59	3726.76	-1.16
				08/18/14	- -	111.25	126.58	0.00	111.25	3726.10	-0.66
				02/23/15	- -	111.45	126.77	0.00	111.45	3725.90	-0.20
				08/24/15	- -	112.13	126.75	0.00	112.13	3725.22	-0.68
				03/07/16	- -	112.02	126.71	0.00	112.02	3725.33	0.11
				08/15/16	- -	113.01	126.70	0.00	113.01	3724.34	-0.99
				02/06/17	- -	112.96	126.70	0.00	112.96	3724.39	0.05
				06/22/17	- -	113.44	126.69	0.00	113.44	3723.91	-0.48
				08/16/17	- -	113.73	126.69	0.00	113.73	3723.62	-0.29
				04/05/18	- -	114.15	126.69	0.00	114.15	3723.20	-0.42
				10/01/18	- -	114.93	126.69	0.00	114.93	3722.42	-0.78
				04/04/19	- -	115.40	126.69	0.00	115.40	3721.95	-0.47
				10/24/19	- -	116.99	126.69	0.00	116.99	3720.36	-1.59
				06/18/20	- -	117.90	126.69	0.00	117.90	3719.45	-0.91
				10/08/20	- -	118.80	126.69	0.00	118.80	3718.55	-0.90
				04/15/21	- -	118.37	126.69	0.00	118.37	3718.98	0.43
				09/16/21	- -	118.58	126.69	0.00	118.58	3718.77	-0.21
				04/14/22	- -	118.20	126.69	0.00	118.20	3719.15	0.38
				10/13/22	- -	120.18	126.69	0.00	120.18	3717.17	-1.98
				03/23/23	- -	119.88	126.69	0.00	119.88	3717.47	0.30
				10/05/23	- -	121.14	126.69	0.00	121.14	3716.21	-1.26
				04/04/24	- -	121.15	126.69	0.00	121.15	3716.20	-0.01
				10/03/24	- -	124.87	126.69	0.00	124.87	3712.48	-3.72
				04/03/25	- -	125.25	126.69	0.00	125.25	3712.10	-0.38
				10/09/25	- -	126.27	126.69	0.00	126.27	3711.08	-1.02

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-3 [2,6]	3831.65	3831.73	3731.20 to 3701.20	06/16/09	- -	102.65	130.45	0.00	102.65	3729.00	NA
				01/13/10	- -	103.29	130.69	0.00	103.29	3728.36	-0.64
				08/11/10	- -	104.82	130.42	0.00	104.82	3726.83	-1.53
				09/28/10	- -	104.70	NM	0.00	104.70	3726.95	0.12
				02/23/11	- -	104.11	130.47	0.00	104.11	3727.54	0.59
				07/12/11	- -	104.89	130.50	0.00	104.89	3726.76	-0.78
				01/30/12	- -	105.22	130.45	0.00	105.22	3726.43	-0.33
				07/23/12	- -	107.59	130.46	0.00	107.59	3724.06	-2.37
				02/18/13	- -	106.21	130.63	0.00	106.21	3725.44	1.38
				08/19/13	- -	108.11	130.88	0.00	108.11	3723.54	-1.90
				02/24/14	- -	108.45	130.75	0.00	108.45	3723.20	-0.34
				08/18/14	- -	110.33	130.71	0.00	110.33	3721.32	-1.88
				02/23/15	- -	110.35	130.60	0.00	110.35	3721.30	-0.02
				08/24/15	- -	111.14	130.57	0.00	111.14	3720.51	-0.79
				03/07/16	- -	112.20	130.51	0.00	112.20	3719.45	-1.06
				08/15/16	- -	112.68	130.68	0.00	112.68	3718.97	-0.48
				02/06/17	- -	112.74	130.61	0.00	112.74	3718.91	-0.06
				06/22/17	- -	112.76	130.59	0.00	112.76	3718.89	-0.02
				08/16/17	- -	112.94	130.59	0.00	112.94	3718.71	-0.18
				04/05/18	- -	113.40	130.59	0.00	113.40	3718.25	-0.46
				10/01/18	- -	114.50	130.59	0.00	114.50	3717.15	-1.10
				04/04/19	- -	114.37	130.59	0.00	114.37	3717.28	0.13
				10/24/19	- -	115.28	130.59	0.00	115.28	3716.37	-0.91
				06/18/20	- -	116.31	130.59	0.00	116.31	3715.34	-1.03
				10/08/20	- -	117.27	130.59	0.00	117.27	3714.38	-0.96
				04/15/21	- -	117.53	130.59	0.00	117.53	3714.12	-0.26
				09/16/21	- -	118.05	130.59	0.00	118.05	3713.60	-0.52
				04/14/22	- -	117.59	130.59	0.00	117.59	3714.06	0.46
				10/13/22	- -	118.53	130.59	0.00	118.53	3713.12	-0.94
				03/23/23	- -	119.26	130.59	0.00	119.26	3712.39	-0.73
				10/05/23	- -	120.22	130.59	0.00	120.22	3711.43	-0.96
				04/04/24	- -	120.57	130.59	0.00	120.57	3711.08	-0.35
				10/03/24	- -	122.31	130.59	0.00	122.31	3709.34	-1.74
				04/03/25	- -	122.64	130.59	0.00	122.64	3709.01	-0.33
				10/09/25	- -	122.98	130.59	0.00	122.98	3708.67	-0.34

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-4 [2,6]	3839.89	3839.76	3741.76 to 3711.76	06/16/09	- -	106.79	128.02	0.00	106.79	3733.10	NA
				01/13/10	- -	107.72	127.94	0.00	107.72	3732.17	-0.93
				08/11/10	- -	108.19	128.03	0.00	108.19	3731.70	-0.47
				09/28/10	- -	108.47	NM	0.00	108.47	3731.42	-0.28
				02/23/11	- -	108.31	127.82	0.00	108.31	3731.58	0.16
				07/12/11	- -	109.27	128.02	0.00	109.27	3730.62	-0.96
				01/30/12	- -	109.91	128.02	0.00	109.91	3729.98	-0.64
				07/23/12	- -	111.00	127.82	0.00	111.00	3728.89	-1.09
				02/18/13	- -	110.70	127.95	0.00	110.70	3729.19	0.30
				08/19/13	- -	111.60	128.01	0.00	111.60	3728.29	-0.90
				02/24/14	- -	112.78	127.80	0.00	112.78	3727.11	-1.18
				08/18/14	- -	113.42	127.63	0.00	113.42	3726.47	-0.64
				02/23/15	- -	113.89	127.68	0.00	113.89	3726.00	-0.47
				08/24/15	- -	114.47	127.99	0.00	114.47	3725.42	-0.58
				03/07/16	- -	114.66	127.78	0.00	114.66	3725.23	-0.19
				08/15/16	- -	115.38	128.10	0.00	115.38	3724.51	-0.72
				02/06/17	- -	115.71	128.04	0.00	115.71	3724.18	-0.33
				06/22/17	- -	115.88	127.73	0.00	115.88	3724.01	-0.17
				08/17/17	- -	116.12	127.73	0.00	116.12	3723.77	-0.24
				04/05/18	- -	116.73	127.73	0.00	116.73	3723.16	-0.61
				10/01/18	- -	117.74	127.73	0.00	117.74	3722.15	-1.01
				04/04/19	- -	118.25	127.73	0.00	118.25	3721.64	-0.51
				10/24/19	- -	119.54	127.73	0.00	119.54	3720.35	-1.29
				06/18/20	- -	120.32	127.73	0.00	120.32	3719.57	-0.78
				10/08/20	- -	121.18	127.73	0.00	121.18	3718.71	-0.86
				04/15/21	- -	121.06	127.73	0.00	121.06	3718.83	0.12
				09/16/21	- -	121.53	127.73	0.00	121.53	3718.36	-0.47
				04/14/22	- -	121.41	127.73	0.00	121.41	3718.48	0.12
				10/13/22	- -	122.82	127.73	0.00	122.82	3717.07	-1.41
				03/23/23	- -	122.97	127.73	0.00	122.97	3716.92	-0.15
				10/05/23	- -	124.25	127.73	0.00	124.25	3715.64	-1.28
				04/04/24	- -	124.81	127.73	0.00	124.81	3715.08	-0.56
				10/03/24	- -	127.07	127.73	0.00	127.07	3712.82	-2.26
				04/03/25	WELL DRY						
				10/09/25	WELL DRY						

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-5 [2,6]	3819.15	3816.13	3730.85 to 3700.85	06/16/09	- -	90.84	NM	0.00	90.84	3728.31	NA
				01/13/10	- -	92.02	118.30	0.00	92.02	3727.13	-1.18
				08/11/10	- -	92.67	117.93	0.00	92.67	3726.48	-0.65
				02/23/11	- -	92.68	118.00	0.00	92.68	3726.47	-0.01
				07/12/11	- -	93.38	117.97	0.00	93.38	3725.77	-0.70
				01/31/12	- -	94.75	117.75	0.00	94.75	3724.40	-1.37
				07/23/12	- -	95.22	117.92	0.00	95.22	3723.93	-0.47
				02/18/13	- -	95.95	118.85	0.00	95.95	3723.20	-0.73
				08/19/13	- -	96.65	117.90	0.00	96.65	3722.50	-0.70
				02/24/14	- -	97.06	117.45	0.00	97.06	3722.09	-0.41
				08/18/14	- -	97.57	117.22	0.00	97.57	3721.58	-0.51
				02/23/15	- -	98.01	117.19	0.00	98.01	3721.14	-0.44
				08/24/15	- -	98.46	117.22	0.00	98.46	3720.69	-0.45
				03/07/16	- -	98.62	117.12	0.00	98.62	3720.53	-0.16
				08/15/16	- -	99.40	117.70	0.00	99.40	3719.75	-0.78
				02/06/17	- -	100.00	117.29	0.00	100.00	3719.15	-0.60
				06/22/17	- -	100.11	117.82	0.00	100.11	3719.04	-0.11
				08/16/17	- -	100.51	117.82	0.00	100.51	3718.64	-0.40
				04/05/18	- -	100.85	117.82	0.00	100.85	3718.30	-0.34
				10/01/18	- -	102.01	117.82	0.00	102.01	3717.14	-1.16
				04/04/19	- -	102.23	117.82	0.00	102.23	3716.92	-0.22
				10/24/19	- -	103.42	117.82	0.00	103.42	3715.73	-1.19
				06/18/20	- -	103.91	117.82	0.00	103.91	3715.24	-0.49
				10/08/20	- -	104.49	117.82	0.00	104.49	3714.66	-0.58
				04/15/21	- -	104.99	117.82	0.00	104.99	3714.16	-0.50
				09/16/21	- -	105.65	117.82	0.00	105.65	3713.50	-0.66
				04/14/22	- -	105.96	117.82	0.00	105.96	3713.19	-0.31
				10/13/22	- -	106.82	117.82	0.00	106.82	3712.33	-0.86
				03/23/23	- -	107.59	117.82	0.00	107.59	3711.56	-0.77
				10/05/23	- -	108.25	117.82	0.00	108.25	3710.90	-0.66
				04/04/24	- -	108.80	117.82	0.00	108.80	3710.35	-0.55
				10/03/24	- -	109.83	117.82	0.00	109.83	3709.32	-1.03
				04/03/25	- -	110.65	117.82	0.00	110.65	3708.50	-0.82
				10/09/25	- -	110.94	117.82	0.00	110.94	3708.21	-0.29

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-6 [2,6]	3838.16	3838.17	3738.17 to 3708.17	06/18/09	- -	106.64	129.48	0.00	106.64	3731.52	NA
				07/24/09	- -	106.92	129.71	0.00	106.92	3731.24	-0.28
				09/24/09	- -	107.44	129.74	0.00	107.44	3730.72	-0.52
				10/27/09	- -	107.55	129.73	0.00	107.55	3730.61	-0.11
				01/13/10	- -	107.64	129.71	0.00	107.64	3730.52	-0.09
				02/02/10	- -	107.69	NM	0.00	107.69	3730.47	-0.05
				04/01/10	- -	107.65	NM	0.00	107.65	3730.51	0.04
				08/11/10	- -	108.00	129.71	0.00	108.00	3730.16	-0.35
				02/23/11	- -	108.22	129.72	0.00	108.22	3729.94	-0.22
				07/12/11	- -	109.09	129.74	0.00	109.09	3729.07	-0.87
				02/02/12	- -	109.78	129.74	0.00	109.78	3728.38	-0.69
				07/23/12	- -	111.00	129.47	0.00	111.00	3727.16	-1.22
				02/18/13	- -	110.60	133.32	0.00	110.60	3727.56	0.40
				08/19/13	- -	111.70	130.84	0.00	111.70	3726.46	-1.10
				02/24/14	- -	112.57	130.00	0.00	112.57	3725.59	-0.87
				08/18/14	- -	113.50	129.71	0.00	113.50	3724.66	-0.93
				02/23/15	- -	114.00	129.90	0.00	114.00	3724.16	-0.50
				08/24/15	- -	114.63	129.69	0.00	114.63	3723.53	-0.63
				03/07/16	- -	115.02	129.69	0.00	115.02	3723.14	-0.39
				08/15/16	- -	115.62	129.69	0.00	115.62	3722.54	-0.60
				02/06/17	- -	115.99	129.69	0.00	115.99	3722.17	-0.37
				06/22/17	- -	116.05	129.76	0.00	116.05	3722.11	-0.06
				08/17/17	- -	116.31	129.76	0.00	116.31	3721.85	-0.26
				04/05/18	- -	116.78	129.76	0.00	116.78	3721.38	-0.47
				10/01/18	- -	117.81	129.76	0.00	117.81	3720.35	-1.03
				04/04/19	- -	118.19	129.76	0.00	118.19	3719.97	-0.38
				10/24/19	- -	119.38	129.76	0.00	119.38	3718.78	-1.19
				06/18/20	- -	120.11	129.76	0.00	120.11	3718.05	-0.73
				10/08/20	- -	121.02	129.76	0.00	121.02	3717.14	-0.91
				04/15/21	- -	121.11	129.76	0.00	121.11	3717.05	-0.09
				09/16/21	- -	121.57	129.76	0.00	121.57	3716.59	-0.46
				04/14/22	- -	121.34	129.76	0.00	121.34	3716.82	0.23
				10/13/22	- -	122.51	129.76	0.00	122.51	3715.65	-1.17
				03/23/23	- -	122.83	129.76	0.00	122.83	3715.33	-0.32
				10/05/23	- -	123.95	129.76	0.00	123.95	3714.21	-1.12
				04/04/24	- -	124.37	129.76	0.00	124.37	3713.79	-0.42
				10/03/24	- -	126.58	129.76	0.00	126.58	3711.58	-2.21
				04/03/25	- -	127.28	129.76	0.00	127.28	3710.88	-0.70
				10/09/25	- -	127.98	129.76	0.00	127.98	3710.18	-0.70

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-7 [2,6]	3838.42	3838.19	3738.19 to 3708.19	04/30/09	- -	106.37	135.54	0.00	106.37	3732.05	NA
				06/10/09	- -	106.48	NM	0.00	106.48	3731.94	-0.11
				06/19/09	- -	106.68	129.34	0.00	106.68	3731.74	-0.20
				07/02/09	- -	106.75	129.51	0.00	106.75	3731.67	-0.07
				07/24/09	- -	106.84	129.52	0.00	106.84	3731.58	-0.09
				09/24/09	- -	107.33	129.29	0.00	107.33	3731.09	-0.49
				10/27/09	- -	107.46	129.53	0.00	107.46	3730.96	-0.13
				01/13/10	- -	107.60	129.55	0.00	107.60	3730.82	-0.14
				02/02/10	- -	107.61	NM	0.00	107.61	3730.81	-0.01
				04/01/10	- -	107.52	NM	0.00	107.52	3730.90	0.09
				08/11/10	- -	108.10	129.57	0.00	108.10	3730.32	-0.58
				02/23/11	- -	108.13	129.52	0.00	108.13	3730.29	-0.03
				07/12/11	- -	109.01	129.50	0.00	109.01	3729.41	-0.88
				02/02/12	- -	109.71	129.26	0.00	109.71	3728.71	-0.70
				07/23/12	- -	109.88	129.30	0.00	109.88	3728.54	-0.17
				02/18/13	- -	110.52	129.55	0.00	110.52	3727.90	-0.64
				08/19/13	- -	111.57	129.17	0.00	111.57	3726.85	-1.05
				02/24/14	- -	112.50	129.90	0.00	112.50	3725.92	-0.93
				08/18/14	- -	113.40	129.58	0.00	113.40	3725.02	-0.90
				02/23/15	- -	113.86	129.62	0.00	113.86	3724.56	-0.46
				08/24/15	- -	114.47	129.64	0.00	114.47	3723.95	-0.61
				03/07/16	- -	114.84	129.64	0.00	114.84	3723.58	-0.37
				08/15/16	- -	115.43	129.64	0.00	115.43	3722.99	-0.59
				02/06/17	- -	115.80	129.64	0.00	115.80	3722.62	-0.37
				06/22/17	- -	115.89	129.64	0.00	115.89	3722.53	-0.09
				08/17/17	- -	116.32	129.64	0.00	116.32	3722.10	-0.43
				04/05/18	- -	116.71	129.64	0.00	116.71	3721.71	-0.39
				10/01/18	- -	117.67	129.64	0.00	117.67	3720.75	-0.96
				04/04/19	- -	118.14	129.64	0.00	118.14	3720.28	-0.47
				10/24/19	- -	119.37	129.64	0.00	119.37	3719.05	-1.23
				06/18/20	- -	120.04	129.64	0.00	120.04	3718.38	-0.67
				10/08/20	- -	120.92	129.64	0.00	120.92	3717.50	-0.88
				04/15/21	- -	120.94	129.64	0.00	120.94	3717.48	-0.02
				09/16/21	- -	121.48	129.64	0.00	121.48	3716.94	-0.54
				04/14/22	- -	121.26	129.64	0.00	121.26	3717.16	0.22
				10/13/22	- -	122.51	129.64	0.00	122.51	3715.91	-1.25
				03/23/23	- -	122.74	129.64	0.00	122.74	3715.68	-0.23
				10/05/23	- -	123.91	129.64	0.00	123.91	3714.51	-1.17
				04/04/24	- -	124.33	129.64	0.00	124.33	3714.09	-0.42
				10/03/24	- -	126.50	129.64	0.00	126.50	3711.92	-2.17
				04/03/25	- -	127.22	129.64	0.00	127.22	3711.20	-0.72
				10/09/25	- -	127.90	129.64	0.00	127.90	3710.52	-0.68

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-8 [3,6]	3839.98	3836.44	3737.68 to 3707.68	06/18/09	- -	109.37	132.30	0.00	109.37	3730.61	NA
				01/13/10	- -	110.47	132.56	0.00	110.47	3729.51	-1.10
				08/11/10	- -	111.05	132.34	0.00	111.05	3728.93	-0.58
				02/23/11	- -	111.07	132.34	0.00	111.07	3728.91	-0.02
				07/12/11	- -	111.98	132.36	0.00	111.98	3728.00	-0.91
				02/01/12	- -	112.91	132.32	0.00	112.91	3727.07	-0.93
				07/23/12	- -	113.94	132.33	0.00	113.94	3726.04	-1.03
				02/18/13	- -	113.27	132.32	0.00	113.27	3726.71	0.67
				08/19/13	- -	114.69	132.39	0.00	114.69	3725.29	-1.42
				02/24/14	- -	115.44	132.60	0.00	115.44	3724.54	-0.75
				08/18/14	- -	116.56	132.16	0.00	116.56	3723.42	-1.12
				02/23/15	- -	116.91	132.10	0.00	116.91	3723.07	-0.35
				08/24/15	- -	117.61	132.20	0.00	117.61	3722.37	-0.70
				03/07/16	- -	118.05	132.04	0.00	118.05	3721.93	-0.44
				08/15/16	- -	118.73	132.15	0.00	118.73	3721.25	-0.68
				02/06/17	- -	119.02	132.15	0.00	119.02	3720.96	-0.29
				06/22/17	- -	119.05	132.15	0.00	119.05	3720.93	-0.03
				08/17/17	- -	119.40	132.15	0.00	119.40	3720.58	-0.35
				04/05/18	- -	119.81	132.15	0.00	119.81	3720.17	-0.41
				10/01/18	- -	120.82	132.15	0.00	120.82	3719.16	-1.01
				04/04/19	- -	121.05	132.15	0.00	121.05	3718.93	-0.23
				10/24/19	- -	122.17	132.15	0.00	122.17	3717.81	-1.12
				06/18/20	- -	122.93	132.15	0.00	122.93	3717.05	-0.76
				10/08/20	- -	123.87	132.15	0.00	123.87	3716.11	-0.94
				04/15/21	- -	123.90	132.15	0.00	123.90	3716.08	-0.03
				09/16/21	- -	124.51	132.15	0.00	124.51	3715.47	-0.61
				04/14/22	- -	124.26	132.15	0.00	124.26	3715.72	0.25
				10/13/22	- -	125.41	132.15	0.00	125.41	3714.57	-1.15
				03/23/23	INACCESSIBLE[16]						
				10/05/23	- -	126.82	132.15	0.00	126.82	3713.16	-1.41
				04/04/24	- -	127.15	132.15	0.00	127.15	3712.83	-0.33
				10/03/24	- -	129.25	132.15	0.00	129.25	3710.73	-2.10
				04/03/25	- -	129.86	132.15	0.00	129.86	3710.12	-0.61
				10/09/25	- -	130.53	132.15	0.00	130.53	3709.45	-0.67

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-9 [3,6]	3835.22	3835.13	3736.13 to 3706.13	06/16/09	- -	104.58	129.18	0.00	104.58	3730.64	NA
				01/13/10	- -	105.61	129.48	0.00	105.61	3729.61	-1.03
				08/11/10	- -	106.37	129.21	0.00	106.37	3728.85	-0.76
				02/23/11	- -	106.28	129.24	0.00	106.28	3728.94	0.09
				07/12/11	- -	107.17	129.26	0.00	107.17	3728.05	-0.89
				01/31/12	- -	107.38	129.30	0.00	107.38	3727.84	-0.21
				07/23/12	- -	109.20	128.90	0.00	109.20	3726.02	-1.82
				02/18/13	- -	108.47	129.41	0.00	108.47	3726.75	0.73
				08/19/13	- -	109.91	129.38	0.00	109.91	3725.31	-1.44
				02/24/14	- -	110.63	129.35	0.00	110.63	3724.59	-0.72
				08/18/14	- -	111.81	129.01	0.00	111.81	3723.41	-1.18
				02/23/15	- -	112.20	124.08	0.00	112.20	3723.02	-0.39
				08/24/15	- -	112.89	129.06	0.00	112.89	3722.33	-0.69
				03/07/16	- -	113.47	129.07	0.00	113.47	3721.75	-0.58
				08/15/16	- -	114.02	129.15	0.00	114.02	3721.20	-0.55
				02/06/17	- -	114.37	129.24	0.00	114.37	3720.85	-0.35
				06/22/17	- -	114.38	129.18	0.00	114.38	3720.84	-0.01
				08/16/17	- -	114.67	129.18	0.00	114.67	3720.55	-0.29
				04/05/18	- -	115.12	129.18	0.00	115.12	3720.10	-0.45
				10/01/18	- -	116.18	129.18	0.00	116.18	3719.04	-1.06
				04/04/19	- -	116.40	129.18	0.00	116.40	3718.82	-0.22
				10/24/19	- -	117.44	129.18	0.00	117.44	3717.78	-1.04
				06/18/20	- -	118.21	129.18	0.00	118.21	3717.01	-0.77
				10/08/20	- -	119.09	129.18	0.00	119.09	3716.13	-0.88
				04/15/21	- -	119.21	129.18	0.00	119.21	3716.01	-0.12
				09/16/21	- -	119.87	129.18	0.00	119.87	3715.35	-0.66
				04/14/22	- -	119.54	129.18	0.00	119.54	3715.68	0.33
				10/13/22	- -	120.65	129.18	0.00	120.65	3714.57	-1.11
				03/23/23	- -	121.15	129.18	0.00	121.15	3714.07	-0.50
				10/05/23	- -	122.18	129.18	0.00	122.18	3713.04	-1.03
				04/04/24	- -	122.52	129.18	0.00	122.52	3712.70	-0.34
				10/03/24	- -	124.60	129.18	0.00	124.60	3710.62	-2.08
				04/03/25	- -	125.09	129.18	0.00	125.09	3710.13	-0.49
				10/09/25	- -	125.70	129.18	0.00	125.70	3709.52	-0.61

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-10 [3,6]	3833.66	3833.49	3734.52 to 3704.52	06/16/09	- -	102.57	129.14	0.00	102.57	3731.09	NA
				01/13/10	- -	103.51	127.42	0.00	103.51	3730.15	-0.94
				08/11/10	- -	104.31	128.47	0.00	104.31	3729.35	-0.80
				02/23/11	- -	104.26	128.54	0.00	104.26	3729.40	0.05
				07/12/11	- -	105.08	128.46	0.00	105.08	3728.58	-0.82
				01/31/12	- -	105.73	128.40	0.00	105.73	3727.93	-0.65
				07/23/12	- -	107.05	128.50	0.00	107.05	3726.61	-1.32
				02/18/13	- -	106.63	128.59	0.00	106.63	3727.03	0.42
				08/19/13	- -	107.78	128.56	0.00	107.78	3725.88	-1.15
				02/24/14	- -	108.53	128.40	0.00	108.53	3725.13	-0.75
				08/18/14	- -	109.62	128.15	0.00	109.62	3724.04	-1.09
				02/23/15	- -	110.08	128.35	0.00	110.08	3723.58	-0.46
				08/24/15	- -	110.73	128.42	0.00	110.73	3722.93	-0.65
				03/07/16	- -	111.32	128.20	0.00	111.32	3722.34	-0.59
				08/15/16	- -	111.87	128.20	0.00	111.87	3721.79	-0.55
				02/06/17	- -	112.22	128.26	0.00	112.22	3721.44	-0.35
				06/22/17	- -	112.27	128.45	0.00	112.27	3721.39	-0.05
				08/16/17	- -	112.53	128.45	0.00	112.53	3721.13	-0.26
				04/05/18	- -	113.03	128.45	0.00	113.03	3720.63	-0.50
				10/01/18	- -	114.06	128.45	0.00	114.06	3719.60	-1.03
				04/04/19	- -	114.39	128.45	0.00	114.39	3719.27	-0.33
				10/24/19	- -	115.35	128.45	0.00	115.35	3718.31	-0.96
				06/18/20	- -	116.09	128.45	0.00	116.09	3717.57	-0.74
				10/08/20	- -	116.94	128.45	0.00	116.94	3716.72	-0.85
				04/15/21	- -	117.11	128.45	0.00	117.11	3716.55	-0.17
				09/16/21	- -	117.76	128.45	0.00	117.76	3715.90	-0.65
				04/14/22	- -	117.51	128.45	0.00	117.51	3716.15	0.25
				10/13/22	- -	118.59	128.45	0.00	118.59	3715.07	-1.08
				03/23/23	- -	119.09	128.45	0.00	119.09	3714.57	-0.50
				10/05/23	- -	120.14	128.45	0.00	120.14	3713.52	-1.05
				04/04/24	- -	120.56	128.45	0.00	120.56	3713.10	-0.42
				10/03/24	- -	122.37	128.45	0.00	122.37	3711.29	-1.81
				04/03/25	- -	123.06	128.45	0.00	123.06	3710.60	-0.69
				10/09/25	- -	123.74	128.45	0.00	123.74	3709.92	-0.68

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HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-11 [4,6,10]	3839.56	3836.14	3741.13 to 3721.13	06/20/02	- -	99.93	NM	0.00	99.93	3739.63	NA
				09/17/02	- -	100.63	NM	0.00	100.63	3738.93	-0.70
				12/19/02	- -	100.50	NM	0.00	100.50	3739.06	0.13
				03/28/03	- -	99.74	NM	0.00	99.74	3739.82	0.76
				06/20/03	- -	100.76	NM	0.00	100.76	3738.80	-1.02
				09/15/03	- -	101.51	NM	0.00	101.51	3738.05	-0.75
				04/30/04	- -	102.31	116.21	0.00	102.31	3737.25	-0.80
				02/21/05	- -	103.80	NM	0.00	103.80	3735.76	-1.49
				06/28/05	- -	104.33	NM	0.00	104.33	3735.23	-0.53
				09/30/05	- -	104.60	NM	0.00	104.60	3734.96	-0.27
				12/29/05	- -	104.81	NM	0.00	104.81	3734.75	-0.21
				04/10/06	- -	105.12	NM	0.00	105.12	3734.44	-0.31
				07/06/06	- -	105.61	NM	0.00	105.61	3733.95	-0.49
				01/26/07	- -	106.63	NM	0.00	106.63	3732.93	-1.02
				03/27/07	- -	106.80	NM	0.00	106.80	3732.76	-0.17
				07/13/07	- -	106.94	NM	0.00	106.94	3732.62	-0.14
				09/12/07	- -	107.22	NM	0.00	107.22	3732.34	-0.28
				12/31/07	- -	106.74	NM	0.00	106.74	3732.82	0.48
				03/26/08	- -	106.81	117.51	0.00	106.81	3732.75	-0.07
				06/13/08	- -	107.40	NM	0.00	107.40	3732.16	-0.59
				09/24/08	- -	108.76	NM	0.00	108.76	3730.80	-1.36
				12/29/08	- -	108.57	NM	0.00	108.57	3730.99	0.19
				03/17/09	- -	107.91	NM	0.00	107.91	3731.65	0.66
				06/18/09	- -	108.65	117.49	0.00	108.65	3730.91	-0.74
				01/13/10	- -	109.81	117.77	0.00	109.81	3729.75	-1.16
				08/11/10	- -	110.16	117.50	0.00	110.16	3729.40	-0.35
				02/23/11	- -	110.32	117.70	0.00	110.32	3729.24	-0.16
				07/12/11	- -	110.31	117.41	0.00	110.31	3729.25	0.01
				02/01/12	- -	112.02	117.37	0.00	112.02	3727.54	-1.71
				07/23/12	- -	113.10	117.38	0.00	113.10	3726.46	-1.08
				02/18/13	- -	112.53	117.75	0.00	112.53	3727.03	0.57
				08/19/13	- -	113.89	117.64	0.00	113.89	3725.67	-1.36
				02/24/14	- -	114.75	117.90	0.00	114.75	3724.81	-0.86
				08/18/14	- -	115.71	117.60	0.00	115.71	3723.85	-0.96
				02/23/15	- -	116.10	117.81	0.00	116.10	3723.46	-0.39
				08/24/15	- -	116.75	117.86	0.00	116.75	3722.81	-0.65
				03/07/16	- -	117.07	118.00	0.00	117.07	3722.49	-0.32
				08/15/16	WELL DRY						
				12/07/16	WELL PLUGGED AND ABANDONED DECEMBER 2016						
MW-11R [10]	3838.51	3835.78	3724.72 to 3704.72	02/06/17	- -	116.82	133.79	0.00	116.82	3721.69	NA
				06/22/17	- -	116.93	133.84	0.00	116.93	3721.58	-0.11
				08/17/17	- -	117.33	133.84	0.00	117.33	3721.18	-0.40
				04/05/18	- -	117.73	133.84	0.00	117.73	3720.78	-0.40
				10/01/18	- -	118.67	133.84	0.00	118.67	3719.84	-0.94
				04/04/19	- -	118.94	133.84	0.00	118.94	3719.57	-0.27
				10/24/19	- -	120.29	133.84	0.00	120.29	3718.22	-1.35
				06/18/20	- -	122.19	133.84	0.00	122.19	3716.32	-1.90
				10/08/20	- -	121.98	133.84	0.00	121.98	3716.53	0.21
				04/15/21	- -	121.91	133.84	0.00	121.91	3716.60	0.07
				09/16/21	- -	122.34	133.84	0.00	122.34	3716.17	-0.43
				04/14/22	- -	122.10	133.84	0.00	122.10	3716.41	0.24
				10/13/22	- -	123.42	133.84	0.00	123.42	3715.09	-1.32
				03/23/23	INACCESSIBLE[16]						
				10/05/23	- -	124.74	133.84	0.00	124.74	3713.77	-1.32
				04/04/24	- -	124.94	133.84	0.00	124.94	3713.57	-0.20
				10/03/24	- -	127.36	133.84	0.00	127.36	3711.15	-2.42
				04/03/25	- -	127.93	133.84	0.00	127.93	3710.58	-0.57
				10/09/25	- -	128.70	133.84	0.00	128.70	3709.81	-0.77

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HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-12 [4,6,9]	3822.73	3820.29	3742.29 to 3722.29	06/20/02	- -	84.20	NM	0.00	84.20	3738.53	NA
				12/21/02	- -	85.21	NM	0.00	85.21	3737.52	-1.01
				03/28/03	- -	85.35	NM	0.00	85.35	3737.38	-0.14
				06/20/03	- -	85.51	NM	0.00	85.51	3737.22	-0.16
				09/15/03	- -	86.13	NM	0.00	86.13	3736.60	-0.62
				11/02/03	- -	86.57	NM	0.00	86.57	3736.16	-0.44
				04/30/04	- -	87.40	100.55	0.00	87.40	3735.33	-0.83
				02/21/05	- -	88.42	NM	0.00	88.42	3734.31	-1.02
				06/28/05	- -	88.76	NM	0.00	88.76	3733.97	-0.34
				09/30/05	- -	89.12	NM	0.00	89.12	3733.61	-0.36
				12/29/05	- -	89.31	NM	0.00	89.31	3733.42	-0.19
				04/10/06	- -	89.55	NM	0.00	89.55	3733.18	-0.24
				07/06/06	- -	90.03	NM	0.00	90.03	3732.70	-0.48
				01/26/07	- -	90.06	NM	0.00	90.06	3732.67	-0.03
				03/27/07	- -	90.10	NM	0.00	90.10	3732.63	-0.04
				07/13/07	- -	91.66	NM	0.00	91.66	3731.07	-1.56
				09/12/07	- -	92.01	NM	0.00	92.01	3730.72	-0.35
				12/31/07	- -	92.17	NM	0.00	92.17	3730.56	-0.16
				03/26/08	- -	92.39	100.57	0.00	92.39	3730.34	-0.22
				06/13/08	- -	92.59	NM	0.00	92.59	3730.14	-0.20
				09/24/08	- -	93.21	NM	0.00	93.21	3729.52	-0.62
				12/29/08	- -	93.59	NM	0.00	93.59	3729.14	-0.38
				03/17/09	- -	93.75	NM	0.00	93.75	3728.98	-0.16
				06/16/09	- -	93.83	100.51	0.00	93.83	3728.90	-0.08
				01/13/10	- -	94.78	100.71	0.00	94.78	3727.95	-0.95
				08/11/10	- -	95.67	100.56	0.00	95.67	3727.06	-0.89
				02/23/11	- -	95.85	100.56	0.00	95.85	3726.88	-0.18
				07/12/11	- -	96.58	100.55	0.00	96.58	3726.15	-0.73
				02/01/12	- -	97.57	100.57	0.00	97.57	3725.16	-0.99
				07/23/12	- -	98.10	100.50	0.00	98.10	3724.63	-0.53
				02/18/13	- -	98.95	100.50	0.00	98.95	3723.78	-0.85
				06/21/13	DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013						
MW-12R [9,14]	3823.29	3820.77	3734.95 to 3714.95	08/19/13	- -	100.25	108.34	0.00	100.25	3723.04	NA
				02/24/14	- -	100.92	108.50	0.00	100.92	3722.37	-0.67
				08/18/14	- -	101.33	108.22	0.00	101.33	3721.96	-0.41
				02/23/15	- -	101.73	107.50	0.00	101.73	3721.56	-0.40
				08/24/15	- -	102.25	107.72	0.00	102.25	3721.04	-0.52
				03/07/16	- -	102.52	107.61	0.00	102.52	3720.77	-0.27
				08/15/16	- -	103.28	107.52	0.00	103.28	3720.01	-0.76
				02/06/17	- -	103.79	107.50	0.00	103.79	3719.50	-0.51
				06/22/17	- -	103.95	107.39	0.00	103.95	3719.34	-0.16
				08/16/17	- -	104.31	107.39	0.00	104.31	3718.98	-0.36
				04/05/18	- -	>103.63	NA	NA	NA	NA	NA
				10/01/18	- -	>103.60	NA	NA	NA	NA	NA
				04/04/19	- -	>103.60	NA	NA	NA	NA	NA
				10/24/19	- -	107.26	107.39	0.00	107.26	3716.03	-2.95
				06/18/20	WELL DRY						
				08/13/20	DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-12R2 [14]	3824.00	3820.87	3716.64 to 3696.64	10/08/20	- -	108.93	126.45	0.00	108.93	3715.07	NA
				04/15/21	- -	109.46	126.45	0.00	109.46	3714.54	-0.53
				09/16/21	- -	110.13	126.45	0.00	110.13	3713.87	-0.67
				04/14/22	- -	110.37	126.45	0.00	110.37	3713.63	-0.24
				10/13/22	- -	111.06	126.45	0.00	111.06	3712.94	-0.69
				03/23/23	- -	111.85	126.45	0.00	111.85	3712.15	-0.79
				10/05/23	- -	112.71	126.45	0.00	112.71	3711.29	-0.86
				04/04/24	- -	113.18	126.45	0.00	113.18	3710.82	-0.47
				10/03/24	- -	114.33	126.45	0.00	114.33	3709.67	-1.15
				04/03/25	- -	115.24	126.45	0.00	115.24	3708.76	-0.91
				10/09/25	- -	115.61	126.45	0.00	115.61	3708.39	-0.37

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-13 [5,6,12]	3837.06	3834.75	3738.75 to 3718.75	04/30/04	- -	101.41	119.82	0.00	101.41	3735.65	NA
				02/21/05	- -	103.09	NM	0.00	103.09	3733.97	-1.68
				06/28/05	- -	103.48	NM	0.00	103.48	3733.58	-0.39
				09/30/05	- -	103.80	NM	0.00	103.80	3733.26	-0.32
				12/29/05	- -	104.41	NM	0.00	104.41	3732.65	-0.61
				04/10/06	- -	104.59	NM	0.00	104.59	3732.47	-0.18
				07/06/06	- -	104.94	NM	0.00	104.94	3732.12	-0.35
				01/26/07	- -	106.41	NM	0.00	106.41	3730.65	-1.47
				03/27/07	- -	106.47	NM	0.00	106.47	3730.59	-0.06
				07/13/07	- -	106.93	NM	0.00	106.93	3730.13	-0.46
				09/12/07	- -	107.19	NM	0.00	107.19	3729.87	-0.26
				12/31/07	- -	106.71	NM	0.00	106.71	3730.35	0.48
				03/26/08	- -	107.02	119.75	0.00	107.02	3730.04	-0.31
				06/13/08	- -	107.19	NM	0.00	107.19	3729.87	-0.17
				09/24/08	- -	108.56	NM	0.00	108.56	3728.50	-1.37
				12/29/08	- -	108.71	NM	0.00	108.71	3728.35	-0.15
				03/17/09	- -	108.36	NM	0.00	108.36	3728.70	0.35
				06/16/09	- -	108.58	108.58	0.00	108.58	3728.48	-0.22
				01/13/10	- -	109.68	119.95	0.00	109.68	3727.38	-1.10
				08/11/10	- -	109.72	119.68	0.00	109.72	3727.34	-0.04
				02/23/11	- -	110.14	119.69	0.00	110.14	3726.92	-0.42
				07/12/11	- -	111.17	119.71	0.00	111.17	3725.89	-1.03
				02/01/12	- -	111.81	119.66	0.00	111.81	3725.25	-0.64
				07/23/12	- -	113.11	119.66	0.00	113.11	3723.95	-1.30
				02/18/13	- -	111.84	119.87	0.00	111.84	3725.22	1.27
				08/19/13	- -	113.81	119.95	0.00	113.81	3723.25	-1.97
				02/24/14	- -	114.47	121.50	0.00	114.47	3722.59	-0.66
				08/18/14	- -	115.89	119.89	0.00	115.89	3721.17	-1.42
				02/23/15	- -	116.05	119.88	0.00	116.05	3721.01	-0.16
				08/24/15	- -	116.79	119.83	0.00	116.79	3720.27	-0.74
				03/07/16	- -	117.30	119.76	0.00	117.30	3719.76	-0.51
				08/15/16	- -	117.98	119.70	0.00	117.98	3719.08	-0.68
				02/06/17	- -	118.28	119.79	0.00	118.28	3718.78	-0.30
				06/22/17	- -	118.23	119.81	0.00	118.23	3718.83	0.05
				08/17/17	- -	118.72	119.81	0.00	118.72	3718.34	-0.49
				04/05/18	- -	119.02	119.81	0.00	119.02	3718.04	-0.30
				09/26/18	WELL PLUGGED AND ABANDONED SEPTEMBER 2018						
MW-13R [12]	3838.12	3835.02	3718.64 to 3698.64	10/01/18	- -	121.00	139.48	0.00	121.00	3717.12	NA
				04/04/19	- -	120.97	139.48	0.00	120.97	3717.15	0.03
				10/24/19	- -	122.25	139.48	0.00	122.25	3715.87	-1.28
				06/18/20	- -	123.02	139.48	0.00	123.02	3715.10	-0.77
				10/08/20	- -	124.05	139.48	0.00	124.05	3714.07	-1.03
				04/15/21	- -	124.05	139.48	0.00	124.05	3714.07	0.00
				09/16/21	- -	124.58	139.48	0.00	124.58	3713.54	-0.53
				04/14/22	- -	124.36	139.48	0.00	124.36	3713.76	0.22
				10/13/22	- -	125.36	139.48	0.00	125.36	3712.76	-1.00
				03/23/23	INACCESSIBLE[16]						
				10/05/23	- -	126.90	139.48	0.00	126.90	3711.22	-1.54
				04/04/24	- -	127.02	139.48	0.00	127.02	3711.10	-0.12
				10/03/24	- -	129.09	139.48	0.00	129.09	3709.03	-2.07
				04/03/25	- -	129.62	139.48	0.00	129.62	3708.50	-0.53
				10/09/25	- -	130.12	139.48	0.00	130.12	3708.00	-0.50

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-14 [5,6,12]	3823.03	3820.38	3737.88 to 3717.88	04/30/04	- -	87.46	NM	0.00	87.46	3735.57	NA
				02/21/05	- -	88.48	NM	0.00	88.48	3734.55	-1.02
				06/28/05	- -	88.80	NM	0.00	88.80	3734.23	-0.32
				09/30/05	- -	89.14	NM	0.00	89.14	3733.89	-0.34
				12/29/05	- -	89.34	NM	0.00	89.34	3733.69	-0.20
				04/10/06	- -	89.63	NM	0.00	89.63	3733.40	-0.29
				07/06/06	- -	90.08	NM	0.00	90.08	3732.95	-0.45
				01/26/07	- -	91.02	NM	0.00	91.02	3732.01	-0.94
				03/27/07	- -	91.18	NM	0.00	91.18	3731.85	-0.16
				07/13/07	- -	91.68	NM	0.00	91.68	3731.35	-0.50
				09/12/07	- -	92.02	NM	0.00	92.02	3731.01	-0.34
				12/31/07	- -	92.25	NM	0.00	92.25	3730.78	-0.23
				03/26/08	- -	92.43	105.08	0.00	92.43	3730.60	-0.18
				06/13/08	- -	92.64	NM	0.00	92.64	3730.39	-0.21
				12/29/08	- -	93.60	NM	0.00	93.60	3729.43	-0.96
				03/17/09	- -	93.84	NM	0.00	93.84	3729.19	-0.24
				06/16/09	- -	93.92	105.04	0.00	93.92	3729.11	-0.08
				01/13/10	- -	94.80	105.30	0.00	94.80	3728.23	-0.88
				08/11/10	- -	95.67	105.04	0.00	95.67	3727.36	-0.87
				02/23/11	- -	95.99	105.05	0.00	95.99	3727.04	-0.32
				07/12/11	- -	96.59	105.06	0.00	96.59	3726.44	-0.60
				01/31/12	- -	97.54	105.05	0.00	97.54	3725.49	-0.95
				07/23/12	- -	98.20	105.05	0.00	98.20	3724.83	-0.66
				02/18/13	- -	99.07	105.38	0.00	99.07	3723.96	-0.87
				08/19/13	- -	99.82	105.30	0.00	99.82	3723.21	-0.75
				02/24/14	- -	100.55	105.60	0.00	100.55	3722.48	-0.73
				08/18/14	- -	100.94	105.35	0.00	100.94	3722.09	-0.39
				02/23/15	- -	101.42	105.35	0.00	101.42	3721.61	-0.48
				08/24/15	- -	101.86	105.37	0.00	101.86	3721.17	-0.44
				03/07/16	- -	102.21	105.27	0.00	102.21	3720.82	-0.35
				08/15/16	- -	102.84	105.30	0.00	102.84	3720.19	-0.63
				02/06/17	- -	103.44	105.29	0.00	103.44	3719.59	-0.60
				06/22/17	- -	103.59	105.25	0.00	103.59	3719.44	-0.15
				08/16/17	- -	103.97	105.25	0.00	103.97	3719.06	-0.38
				04/05/18	- -	104.47	105.25	0.00	104.47	3718.56	-0.50
				09/27/18	WELL PLUGGED AND ABANDONED SEPTEMBER 2018						
MW-14R [12]	3823.88	3821.05	3714.60 to 3694.60	10/01/18	- -	106.19	129.28	0.00	106.19	3717.69	NA
				04/04/19	- -	106.60	129.28	0.00	106.60	3717.28	-0.41
				10/24/19	- -	107.49	129.28	0.00	107.49	3716.39	-0.89
				06/18/20	- -	107.59	129.28	0.00	107.59	3716.29	-0.10
				10/08/20	- -	108.43	129.28	0.00	108.43	3715.45	-0.84
				04/15/21	- -	108.71	129.28	0.00	108.71	3715.17	-0.28
				09/16/21	- -	109.65	129.28	0.00	109.65	3714.23	-0.94
				04/14/22	- -	109.79	129.28	0.00	109.79	3714.09	-0.14
				10/13/22	- -	110.66	129.28	0.00	110.66	3713.22	-0.87
				03/23/23	- -	111.59	129.28	0.00	111.59	3712.29	-0.93
				10/05/23	- -	112.38	129.28	0.00	112.38	3711.50	-0.79
				04/04/24	- -	112.65	129.28	0.00	112.65	3711.23	-0.27
				10/03/24	- -	113.60	129.28	0.00	113.60	3710.28	-0.95
				04/03/25	- -	114.93	129.28	0.00	114.93	3708.95	-1.33
				10/09/25	- -	115.22	129.28	0.00	115.22	3708.66	-0.29

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-15 [7,8,15]	3840.19	3840.54	3738.54 to 3718.54	08/11/10	- -	106.94	121.68	0.00	106.94	3733.25	NA
				02/23/11	- -	107.01	121.67	0.00	107.01	3733.18	-0.07
				07/12/11	- -	108.32	121.62	0.00	108.32	3731.87	-1.31
				01/30/12	- -	108.54	121.62	0.00	108.54	3731.65	-0.22
				07/23/12	- -	109.77	121.58	0.00	109.77	3730.42	-1.23
				02/18/13	- -	109.22	121.82	0.00	109.22	3730.97	0.55
				08/19/13	- -	110.34	121.83	0.00	110.34	3729.85	-1.12
				02/24/14	- -	111.72	122.05	0.00	111.72	3728.47	-1.38
				08/18/14	- -	112.16	121.70	0.00	112.16	3728.03	-0.44
				02/23/15	- -	112.42	121.80	0.00	112.42	3727.77	-0.26
				08/24/15	- -	113.09	121.78	0.00	113.09	3727.10	-0.67
				03/07/16	- -	112.85	121.67	0.00	112.85	3727.34	0.24
				08/15/16	- -	113.92	121.70	0.00	113.92	3726.27	-1.07
				02/06/17	- -	113.84	121.68	0.00	113.84	3726.35	0.08
				06/22/17	- -	114.40	121.70	0.00	114.40	3725.79	-0.56
				08/16/17	- -	114.57	121.70	0.00	114.57	3725.62	-0.17
				04/05/18	- -	115.19	121.70	0.00	115.19	3725.00	-0.62
				10/01/18	- -	115.93	121.70	0.00	115.93	3724.26	-0.74
				04/04/19	- -	116.51	121.70	0.00	116.51	3723.68	-0.58
				10/24/19	- -	118.22	121.70	0.00	118.22	3721.97	-1.71
				06/18/20	- -	119.24	121.70	0.00	119.24	3720.95	-1.02
				10/08/20	- -	120.11	121.70	0.00	120.11	3720.08	-0.87
				04/15/21	- -	119.46	121.70	0.00	119.46	3720.73	0.65
				06/09/21	WELL PLUGGED AND ABANDONED JUNE 2021						
MW-15R [15]	3839.99	3839.82	3722.00 to 3702.00	09/16/21	- -	119.46	138.49	0.00	119.46	3720.53	NA
				04/14/22	- -	119.08	138.49	0.00	119.08	3720.91	0.38
				10/13/22	- -	121.20	138.49	0.00	121.20	3718.79	-2.12
				03/23/23	- -	120.85	138.49	0.00	120.85	3719.14	0.35
				10/05/23	- -	122.30	138.49	0.00	122.30	3717.69	-1.45
				04/04/24	- -	122.41	138.49	0.00	122.41	3717.58	-0.11
				10/03/24	- -	126.09	138.49	0.00	126.09	3713.90	-3.68
				04/03/25	- -	126.43	138.49	0.00	126.43	3713.56	-0.34
				10/09/25	- -	127.58	138.49	0.00	127.58	3712.41	-1.15

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Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-16 [7,8,14]	3838.20	3838.50	3738.59 to 3718.59	08/11/10	- -	106.18	119.61	0.00	106.18	3732.02	NA
				02/23/11	- -	106.34	119.67	0.00	106.34	3731.86	-0.16
				07/12/11	- -	107.21	119.61	0.00	107.21	3730.99	-0.87
				01/30/12	- -	107.93	119.47	0.00	107.93	3730.27	-0.72
				07/23/12	- -	108.98	119.14	0.00	108.98	3729.22	-1.05
				02/18/13	- -	108.69	119.63	0.00	108.69	3729.51	0.29
				08/19/13	- -	109.51	119.50	0.00	109.51	3728.69	-0.82
				02/24/14	- -	110.73	119.65	0.00	110.73	3727.47	-1.22
				08/18/14	- -	111.35	119.25	0.00	111.35	3726.85	-0.62
				02/23/15	- -	111.90	119.48	0.00	111.90	3726.30	-0.55
				08/24/15	- -	112.42	119.22	0.00	112.42	3725.78	-0.52
				03/07/16	- -	112.64	119.22	0.00	112.64	3725.56	-0.22
				08/15/16	- -	113.31	119.20	0.00	113.31	3724.89	-0.67
				02/06/17	- -	113.78	119.00	0.00	113.78	3724.42	-0.47
				06/22/17	- -	113.93	119.07	0.00	113.93	3724.27	-0.15
				08/17/17	- -	114.08	119.07	0.00	114.08	3724.12	-0.15
				04/05/18	- -	114.79	119.07	0.00	114.79	3723.41	-0.71
				10/01/18	- -	>115.87	NA	NA	NA	NA	NA
				04/04/19	- -	>115.05	NA	NA	NA	NA	NA
				10/24/19	- -	117.64	119.07	0.00	117.64	3720.56	-2.85
				06/18/20	- -	118.35	119.07	0.00	118.35	3719.85	-0.71
				08/13/20	DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-16R [14]	3837.87	3837.85	3720.47 to 3700.47	10/08/20	- -	118.89	137.00	0.00	118.89	3718.98	NA
				04/15/21	- -	118.79	137.00	0.00	118.79	3719.08	0.10
				09/16/21	- -	119.13	137.00	0.00	119.13	3718.74	-0.34
				04/14/22	- -	119.28	137.00	0.00	119.28	3718.59	-0.15
				10/13/22	- -	120.61	137.00	0.00	120.61	3717.26	-1.33
				03/23/23	- -	120.80	137.00	0.00	120.80	3717.07	-0.19
				10/05/23	- -	122.16	137.00	0.00	122.16	3715.71	-1.36
				04/04/24	- -	122.61	137.00	0.00	122.61	3715.26	-0.45
				10/03/24	- -	124.79	137.00	0.00	124.79	3713.08	-2.18
				04/03/25	- -	125.60	137.00	0.00	125.60	3712.27	-0.81
				10/09/25	- -	126.48	137.00	0.00	126.48	3711.39	-0.88

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MW-17 [7,8,9]	3831.43	3831.79	3735.79 to 3715.79	08/11/10	- -	101.65	115.92	0.00	101.65	3729.78	NA
				02/23/11	- -	101.71	115.69	0.00	101.71	3729.72	-0.06
				07/12/11	- -	102.41	115.55	0.00	102.41	3729.02	-0.70
				06/21/13	DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013						
MW-17R [9,19]	3831.14	3831.48	3731.19 to 3711.19	08/19/13	- -	104.79	119.95	0.00	104.79	3726.35	NA
				02/24/14	- -	105.59	119.00	0.00	105.59	3725.55	NA
				08/18/14	- -	106.58	117.80	0.00	106.58	3724.56	-0.99
				02/23/15	- -	107.11	117.30	0.00	107.11	3724.03	-0.53
				08/24/15	- -	107.73	117.53	0.00	107.73	3723.41	-0.62
				03/07/16	- -	108.35	117.30	0.00	108.35	3722.79	-0.62
				08/15/16	- -	108.90	117.28	0.00	108.90	3722.24	-0.55
				02/06/17	- -	109.28	117.12	0.00	109.28	3721.86	-0.38
				06/22/17	- -	109.31	116.88	0.00	109.31	3721.83	-0.03
				08/16/17	- -	109.61	116.88	0.00	109.61	3721.53	-0.30
				04/05/18	- -	110.04	116.88	0.00	110.04	3721.10	-0.43
				10/01/18	- -	111.15	116.88	0.00	111.15	3719.99	-1.11
				04/04/19	- -	111.47	116.88	0.00	111.47	3719.67	-0.32
				10/24/19	- -	112.45	116.88	0.00	112.45	3718.69	-0.98
				06/18/20	- -	113.10	116.88	0.00	113.10	3718.04	-0.65
				10/08/20	- -	113.92	116.88	0.00	113.92	3717.22	-0.82
				04/15/21	- -	114.11	116.88	0.00	114.11	3717.03	-0.19
				09/16/21	- -	114.82	116.88	0.00	114.82	3716.32	-0.71
				04/14/22	- -	114.67	116.88	0.00	114.67	3716.47	0.15
				10/13/22	- -	115.67	116.88	0.00	115.67	3715.47	-1.00
				03/23/23	- -	116.20	116.88	0.00	116.20	3714.94	-0.53
				10/05/23	WELL DRY						
				04/04/24	WELL DRY						
				10/03/24	WELL DRY						
				04/03/25	WELL DRY						
				10/09/25	WELL DRY						
				12/08/25	DRY WELL - PLUGGED AND ABANDONED DECEMBER 2025						

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-18 [7,8,15]	3825.05	3825.52	3725.52 to 3705.52	08/11/10	- -	108.54	119.36	0.00	108.54	3716.51	NA
				09/30/10	- -	104.47	NM	0.00	104.47	3720.58	4.07
				02/23/11	- -	100.02	119.38	0.00	100.02	3725.03	4.45
				07/12/11	- -	100.73	119.38	0.00	100.73	3724.32	-0.71
				01/31/12	- -	100.49	119.38	0.00	100.49	3724.56	0.24
				07/23/12	- -	110.18	119.37	0.00	110.18	3714.87	-9.69
				02/18/13	- -	102.51	119.59	0.00	102.51	3722.54	7.67
				08/19/13	- -	109.79	119.68	0.00	109.79	3715.26	-7.28
				02/24/14	- -	105.20	119.85	0.00	105.20	3719.85	4.59
				08/18/14	- -	115.51	119.67	0.00	115.51	3709.54	-10.31
				02/23/15	- -	109.82	119.60	0.00	109.82	3715.23	5.69
				08/24/15	- -	110.97	119.55	0.00	110.97	3714.08	-1.15
				03/07/16	- -	117.00	119.61	0.00	117.00	3708.05	-6.03
				08/15/16	- -	116.06	119.60	0.00	116.06	3708.99	0.94
				02/06/17	- -	114.27	120.90	0.00	114.27	3710.78	1.79
				06/22/17	- -	113.83	119.61	0.00	113.83	3711.22	0.44
				08/16/17	- -	114.69	119.61	0.00	114.69	3710.36	-0.86
				04/05/18	- -	114.58	119.61	0.00	114.58	3710.47	0.11
				10/01/18	- -	115.61	119.61	0.00	115.61	3709.44	-1.03
				04/04/19	- -	112.14	119.61	0.00	112.14	3712.91	3.47
				10/24/19	- -	111.20	119.61	0.00	111.20	3713.85	0.94
				06/18/20	- -	116.25	119.61	0.00	116.25	3708.80	-5.05
				10/08/20	- -	117.21	119.61	0.00	117.21	3707.84	-0.96
				04/15/21	DRY WELL						
				06/09/21	WELL PLUGGED AND ABANDONED JUNE 2021						
MW-18R [15]	3825.33	3825.32	3712.78 to 3692.78	09/16/21	- -	116.75	133.05	0.00	116.75	3708.58	NA
				04/14/22	- -	115.42	133.05	0.00	115.42	3709.91	1.33
				10/13/22	- -	116.29	133.05	0.00	116.29	3709.04	-0.87
				03/23/23	- -	117.77	133.05	0.00	117.77	3707.56	-1.48
				10/05/23	- -	118.82	133.05	0.00	118.82	3706.51	-1.05
				04/04/24	- -	118.98	133.05	0.00	118.98	3706.35	-0.16
				10/03/24	- -	120.19	133.05	0.00	120.19	3705.14	-1.21
				04/03/25	- -	118.45	133.05	0.00	118.45	3706.88	1.74
				10/09/25	- -	118.55	133.05	0.00	118.55	3706.78	-0.10

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-19 [7,8,15]	3823.97	3824.48	3730.37 to 3710.37	08/11/10	- -	102.35	113.60	0.00	102.35	3721.62	NA
				09/30/10	- -	98.70	NM	0.00	98.70	3725.27	3.65
				02/23/11	- -	98.32	113.57	0.00	98.32	3725.65	0.38
				07/12/11	- -	101.87	113.56	0.00	101.87	3722.10	-3.55
				01/31/12	- -	100.92	113.54	0.00	100.92	3723.05	0.95
				07/23/12	- -	100.98	113.56	0.00	100.98	3722.99	-0.06
				02/18/13	- -	103.45	113.76	0.00	103.45	3720.52	-2.47
				08/19/13	- -	104.87	113.81	0.00	104.87	3719.10	-1.42
				02/24/14	- -	105.76	114.00	0.00	105.76	3718.21	-0.89
				08/18/14	- -	104.60	113.79	0.00	104.60	3719.37	1.16
				02/23/15	- -	105.22	113.72	0.00	105.22	3718.75	-0.62
				08/24/15	- -	105.94	113.71	0.00	105.94	3718.03	-0.72
				03/07/16	- -	106.75	113.64	0.00	106.75	3717.22	-0.81
				08/15/16	- -	108.23	133.77	0.00	108.23	3715.74	-1.48
				02/06/17	- -	108.27	113.72	0.00	108.27	3715.70	-0.04
				06/22/17	- -	108.31	113.60	0.00	108.31	3715.66	-0.04
				08/16/17	- -	107.88	113.60	0.00	107.88	3716.09	0.43
				04/05/18	- -	109.32	113.60	0.00	109.32	3714.65	-1.44
				10/01/18	- -	>111.40	NA	NA	NA	NA	NA
				04/04/19	- -	>111.40	NA	NA	NA	NA	NA
				10/24/19	- -	110.89	113.60	0.00	110.89	3713.08	-1.57
				06/18/20	- -	112.75	113.60	0.00	112.75	3711.22	-1.86
				10/08/20	WELL DRY						
				04/15/21	WELL DRY						
				06/09/21	WELL PLUGGED AND ABANDONED JUNE 2021						
MW-19R [15]	3824.24	3824.33	3712.61 to 3692.61	09/16/21	- -	114.00	132.13	0.00	114.00	3710.24	NA
				04/14/22	- -	113.57	132.13	0.00	113.57	3710.67	0.43
				10/13/22	- -	113.05	132.13	0.00	113.05	3711.19	0.52
				03/23/23	- -	116.19	132.13	0.00	116.19	3708.05	-3.14
				10/05/23	- -	117.46	132.13	0.00	117.46	3706.78	-1.27
				04/04/24	- -	116.36	132.13	0.00	116.36	3707.88	1.10
				10/03/24	- -	118.92	132.13	0.00	118.92	3705.32	-2.56
				04/03/25	- -	119.19	132.13	0.00	119.19	3705.05	-0.27
				10/09/25	- -	119.29	132.13	0.00	119.29	3704.95	-0.10

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-20 [7,8,15]	3824.58	3825.03	3733.03 to 3713.03	08/11/10	- -	97.75	111.82	0.00	97.75	3726.83	NA
				02/23/11	- -	97.42	111.82	0.00	97.42	3727.16	0.33
				07/12/11	- -	98.50	111.74	0.00	98.50	3726.08	-1.08
				01/31/12	- -	99.07	111.74	0.00	99.07	3725.51	-0.57
				07/23/12	- -	99.75	111.75	0.00	99.75	3724.83	-0.68
				02/18/13	- -	100.50	111.78	0.00	100.50	3724.08	-0.75
				08/19/13	- -	101.60	111.98	0.00	101.60	3722.98	-1.10
				02/24/14	- -	102.37	112.15	0.00	102.37	3722.21	-0.77
				08/18/14	- -	102.81	111.87	0.00	102.81	3721.77	-0.44
				02/23/15	- -	103.25	111.82	0.00	103.25	3721.33	-0.44
				08/24/15	- -	103.80	112.89	0.00	103.80	3720.78	-0.55
				03/07/16	- -	104.28	111.78	0.00	104.28	3720.30	-0.48
				08/15/16	- -	105.18	111.88	0.00	105.18	3719.40	-0.90
				02/06/17	- -	105.57	111.70	0.00	105.57	3719.01	-0.39
				06/22/17	- -	105.63	111.70	0.00	105.63	3718.95	-0.06
				08/17/17	- -	105.89	111.70	0.00	105.89	3718.69	-0.26
				04/05/18	- -	106.49	111.70	0.00	106.49	3718.09	-0.60
				10/01/18	- -	107.45	111.70	0.00	107.45	3717.13	-0.96
				04/04/19	- -	107.75	111.70	0.00	107.75	3716.83	-0.30
				10/24/19	- -	108.68	111.70	0.00	108.68	3715.90	-0.93
				06/18/20	- -	109.38	111.70	0.00	109.38	3715.20	-0.70
				10/08/20	- -	109.95	111.70	0.00	109.95	3714.63	-0.57
				04/15/21	- -	110.70	111.70	0.00	110.70	3713.88	-0.75
				06/09/21	WELL PLUGGED AND ABANDONED JUNE 2021						
MW-20R [15]	3824.63	3824.86	3719.04 to 3699.04	09/16/21	- -	111.19	126.09	0.00	111.19	3713.44	NA
				04/14/22	- -	111.14	126.09	0.00	111.14	3713.49	0.05
				10/13/22	- -	111.45	126.09	0.00	111.45	3713.18	-0.31
				03/23/23	- -	112.85	126.09	0.00	112.85	3711.78	-1.40
				10/05/23	- -	112.12	126.09	0.00	112.12	3712.51	0.73
				04/04/24	- -	113.96	126.09	0.00	113.96	3710.67	-1.84
				10/03/24	- -	115.32	126.09	0.00	115.32	3709.31	-1.36
				04/03/25	- -	116.14	126.09	0.00	116.14	3708.49	-0.82
				10/09/25	- -	116.42	126.09	0.00	116.42	3708.21	-0.28

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-21 [7,8]	3820.26	3820.59	3731.59 to 3711.59	08/11/10	- -	94.06	108.31	0.00	94.06	3726.20	NA
				02/23/11	- -	93.84	108.27	0.00	93.84	3726.42	0.22
				07/12/11	- -	94.85	108.23	0.00	94.85	3725.41	-1.01
				01/31/12	- -	95.72	108.18	0.00	95.72	3724.54	-0.87
				07/23/12	- -	96.22	108.24	0.00	96.22	3724.04	-0.50
				02/18/13	- -	96.92	108.48	0.00	96.92	3723.34	-0.70
				08/19/13	- -	98.04	108.52	0.00	98.04	3722.22	-1.12
				02/24/14	- -	98.65	108.55	0.00	98.65	3721.61	-0.61
				08/18/14	- -	99.07	108.32	0.00	99.07	3721.19	-0.42
				02/23/15	- -	99.48	108.19	0.00	99.48	3720.78	-0.41
				08/24/15	- -	100.05	108.32	0.00	100.05	3720.21	-0.57
				03/07/16	- -	100.30	108.15	0.00	100.30	3719.96	-0.25
				08/15/16	- -	101.18	108.15	0.00	101.18	3719.08	-0.88
				02/06/17	- -	101.59	110.20	0.00	101.59	3718.67	-0.41
				06/22/17	- -	101.72	108.10	0.00	101.72	3718.54	-0.13
				08/17/17	- -	102.10	108.10	0.00	102.10	3718.16	-0.38
				04/05/18	- -	102.54	108.10	0.00	102.54	3717.72	-0.44
				10/01/18	- -	103.58	108.10	0.00	103.58	3716.68	-1.04
				04/04/19	- -	103.90	108.10	0.00	103.90	3716.36	-0.32
				10/24/19	- -	105.02	108.10	0.00	105.02	3715.24	-1.12
				06/18/20	- -	105.57	108.10	0.00	105.57	3714.69	-0.55
				10/08/20	- -	106.31	108.10	0.00	106.31	3713.95	-0.74
				04/15/21	- -	106.72	108.10	0.00	106.72	3713.54	-0.41
				09/16/21	- -	107.31	108.10	0.00	107.31	3712.95	-0.59
				04/14/22	- -	107.42	108.10	0.00	107.42	3712.84	-0.11
				10/13/22	- -	107.93	108.20	0.00	107.93	3712.33	-0.51
				03/23/23	WELL DRY						
				10/05/23	WELL DRY						
				04/04/24	REMOVED FROM MONITORING PROGRAM[17]						
				10/21/24	DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-22 [7,8,19]	3821.82	3819.27	3731.20 to 3711.27	08/11/10	- -	95.62	110.80	0.00	95.62	3726.20	NA
				02/23/11	- -	95.36	110.78	0.00	95.36	3726.46	NA
				07/12/11	- -	96.26	110.74	0.00	96.26	3725.56	-0.90
				01/31/12	- -	97.56	110.72	0.00	97.56	3724.26	-1.30
				07/23/12	- -	97.90	110.70	0.00	97.90	3723.92	-0.34
				02/18/13	- -	98.45	110.92	0.00	98.45	3723.37	-0.55
				08/19/13	- -	99.54	110.85	0.00	99.54	3722.28	-1.09
				02/24/14	- -	99.97	111.00	0.00	99.97	3721.85	-0.43
				08/18/14	- -	100.52	110.26	0.00	100.52	3721.30	-0.55
				02/23/15	- -	100.85	109.10	0.00	100.85	3720.97	-0.33
				08/24/15	- -	101.42	109.05	0.00	101.42	3720.40	-0.57
				03/07/16	- -	101.56	109.19	0.00	101.56	3720.26	-0.14
				08/15/16	- -	102.45	109.50	0.00	102.45	3719.37	-0.89
				02/06/17	- -	102.99	109.58	0.00	102.99	3718.83	-0.54
				06/22/17	- -	103.04	109.60	0.00	103.04	3718.78	-0.05
				08/17/17	- -	103.51	109.60	0.00	103.51	3718.31	-0.47
				04/05/18	- -	103.85	109.60	0.00	103.85	3717.97	-0.34
				10/01/18	- -	104.96	109.60	0.00	104.96	3716.86	-1.11
				04/04/19	- -	105.12	109.60	0.00	105.12	3716.70	-0.16
				10/24/19	- -	106.45	109.60	0.00	106.45	3715.37	-1.33
				06/18/20	- -	106.97	109.60	0.00	106.97	3714.85	-0.52
				10/08/20	- -	107.70	109.60	0.00	107.70	3714.12	-0.73
				04/15/21	- -	107.97	109.60	0.00	107.97	3713.85	-0.27
				09/16/21	- -	109.18	110.30	0.00	109.18	3712.64	-1.21
				04/14/22	- -	109.29	110.30	0.00	109.29	3712.53	-0.11
				10/13/22	- -	109.51	110.30	0.00	109.51	3712.31	-0.22
				03/23/23	WELL DRY						
				10/05/23	WELL DRY						
				04/04/24	WELL DRY						
				10/03/24	WELL DRY						
				04/03/25	WELL DRY						
				10/09/25	WELL DRY						
				12/08/25	DRY WELL - PLUGGED AND ABANDONED DECEMBER 2025						

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-23 [7,8,14]	3825.58	3822.91	3730.91 to 3710.91	08/11/10	- -	100.49	115.10	0.00	100.49	3725.09	NA
				02/23/11	- -	99.80	115.12	0.00	99.80	3725.78	0.69
				07/12/11	- -	101.29	115.10	0.00	101.29	3724.29	-1.49
				02/01/12	- -	102.04	115.07	0.00	102.04	3723.54	-0.75
				07/23/12	- -	102.39	114.98	0.00	102.39	3723.19	-0.35
				02/18/13	- -	102.69	115.25	0.00	102.69	3722.89	-0.30
				08/19/13	- -	104.23	115.00	0.00	104.23	3721.35	-1.54
				02/24/14	- -	104.93	115.35	0.00	104.93	3720.65	-0.70
				08/18/14	- -	105.36	119.14	0.00	105.36	3720.22	-0.43
				02/23/15	- -	105.74	114.85	0.00	105.74	3719.84	-0.38
				08/24/15	- -	106.33	114.84	0.00	106.33	3719.25	-0.59
				03/07/16	- -	106.72	114.66	0.00	106.72	3718.86	-0.39
				08/15/16	- -	107.69	114.80	0.00	107.69	3717.89	-0.97
				02/06/17	- -	108.05	114.70	0.00	108.05	3717.53	-0.36
				06/22/17	- -	108.04	114.60	0.00	108.04	3717.54	0.01
				08/17/17	- -	108.41	114.60	0.00	108.41	3717.17	-0.37
				04/05/18	- -	108.86	114.60	0.00	108.86	3716.72	-0.45
				10/01/18	- -	109.90	114.60	0.00	109.90	3715.68	-1.04
				04/04/19	- -	109.89	114.60	0.00	109.89	3715.69	0.01
				10/24/19	- -	112.87	114.60	0.00	112.87	3712.71	-2.98
				06/18/20	- -	112.11	114.60	0.00	112.11	3713.47	0.76
				08/13/20	DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-23R [14]	3825.64	3822.75	3715.96 to 3695.96	10/08/20	- -	112.81	129.63	0.00	112.81	3712.83	NA
				04/15/21	- -	113.17	129.63	0.00	113.17	3712.47	-0.36
				09/16/21	- -	113.53	129.63	0.00	113.53	3712.11	-0.36
				04/14/22	- -	113.46	129.63	0.00	113.46	3712.18	0.07
				10/13/22	- -	113.74	129.63	0.00	113.74	3711.90	-0.28
				03/23/23	- -	115.21	129.63	0.00	115.21	3710.43	-1.47
				10/05/23	- -	115.87	129.63	0.00	115.87	3709.77	-0.66
				04/04/24	- -	116.06	129.63	0.00	116.06	3709.58	-0.19
				10/03/24	- -	117.70	129.63	0.00	117.70	3707.94	-1.64
				04/03/25	- -	118.37	129.63	0.00	118.37	3707.27	-0.67
				10/09/25	- -	118.64	129.63	0.00	118.64	3707.00	-0.27

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-24 [7,8,15]	3830.50	3830.81	3732.36 to 3712.36	08/11/10	- -	104.04	118.14	0.00	104.04	3726.46	NA
				02/23/11	- -	104.26	118.09	0.00	104.26	3726.24	-0.22
				07/12/11	- -	105.29	118.04	0.00	105.29	3725.21	-1.03
				02/01/12	- -	106.65	119.10	0.00	106.65	3723.85	-1.36
				07/23/12	- -	106.96	118.04	0.00	106.96	3723.54	-0.31
				02/18/13	- -	106.77	118.35	0.00	106.77	3723.73	0.19
				08/19/13	- -	108.30	118.21	0.00	108.30	3722.20	-1.53
				02/24/14	- -	108.66	118.45	0.00	108.66	3721.84	-0.36
				08/18/14	- -	109.61	118.91	0.00	109.61	3720.89	-0.95
				02/23/15	- -	109.92	118.12	0.00	109.92	3720.58	-0.31
				08/24/15	- -	110.47	118.11	0.00	110.47	3720.03	-0.55
				03/07/16	- -	110.59	118.15	0.00	110.59	3719.91	-0.12
				08/15/16	- -	111.52	118.05	0.00	111.52	3718.98	-0.93
				02/06/17	- -	112.01	118.08	0.00	112.01	3718.49	-0.49
				06/22/17	- -	111.96	117.90	0.00	111.96	3718.54	0.05
				08/17/17	- -	112.55	117.90	0.00	112.55	3717.95	-0.59
				04/05/18	- -	112.85	117.90	0.00	112.85	3717.65	-0.30
				10/01/18	- -	113.89	117.90	0.00	113.89	3716.61	-1.04
				04/04/19	- -	113.84	117.90	0.00	113.84	3716.66	0.05
				10/24/19	- -	115.72	117.90	0.00	115.72	3714.78	-1.88
				06/18/20	- -	116.14	117.90	0.00	116.14	3714.36	-0.42
				10/08/20	- -	116.91	117.90	0.00	116.91	3713.59	-0.77
				04/15/21	- -	117.02	117.90	0.00	117.02	3713.48	-0.11
				06/09/21	WELL PLUGGED AND ABANDONED JUNE 2021						
MW-24R [15]	3830.38	3830.82	3715.11 to 3695.11	09/16/21	- -	117.38	135.77	0.00	117.38	3713.00	NA
				04/14/22	- -	117.33	135.77	0.00	117.33	3713.05	0.05
				10/13/22	- -	118.12	135.77	0.00	118.12	3712.26	-0.79
				03/23/23	- -	118.79	135.77	0.00	118.79	3711.59	-0.67
				10/05/23	- -	119.72	135.77	0.00	119.72	3710.66	-0.93
				04/04/24	- -	120.01	135.77	0.00	120.01	3710.37	-0.29
				10/03/24	- -	121.54	135.77	0.00	121.54	3708.84	-1.53
				04/03/25	- -	122.26	135.77	0.00	122.26	3708.12	-0.72
				10/09/25	- -	122.74	135.77	0.00	122.74	3707.64	-0.48

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-25 [7,8,15]	3830.77	3831.00	3729.00 to 3709.00	08/11/10	- -	106.46	121.66	0.00	106.46	3724.31	NA
				02/23/11	- -	105.72	121.60	0.00	105.72	3725.05	0.74
				07/12/11	- -	107.24	121.49	0.00	107.24	3723.53	-1.52
				02/01/12	- -	108.53	121.42	0.00	108.53	3722.24	-1.29
				07/23/12	- -	109.13	121.47	0.00	109.13	3721.64	-0.60
				02/18/13	- -	107.65	121.45	0.00	107.65	3723.12	1.48
				08/19/13	- -	110.15	121.49	0.00	110.15	3720.62	-2.50
				02/24/14	- -	110.62	121.60	0.00	110.62	3720.15	-0.47
				08/18/14	- -	112.14	121.46	0.00	112.14	3718.63	-1.52
				02/23/15	- -	112.11	121.71	0.00	112.11	3718.66	0.03
				08/24/15	- -	112.89	121.23	0.00	112.89	3717.88	-0.78
				03/07/16	- -	113.76	121.10	0.00	113.76	3717.01	-0.87
				08/15/16	- -	114.52	121.10	0.00	114.52	3716.25	-0.76
				02/06/17	- -	114.68	121.03	0.00	114.68	3716.09	-0.16
				06/22/17	- -	114.64	120.99	0.00	114.64	3716.13	0.04
				08/16/17	- -	114.91	120.99	0.00	114.91	3715.86	-0.27
				04/05/18	- -	115.38	120.99	0.00	115.38	3715.39	-0.47
				10/01/18	- -	116.42	120.99	0.00	116.42	3714.35	-1.04
				04/04/19	- -	116.12	120.99	0.00	116.12	3714.65	0.30
				10/24/19	- -	117.22	120.99	0.00	117.22	3713.55	-1.10
				06/18/20	- -	118.44	120.99	0.00	118.44	3712.33	-1.22
				10/08/20	- -	119.59	120.99	0.00	119.59	3711.18	-1.15
				04/15/21	- -	119.65	120.99	0.00	119.65	3711.12	-0.06
				06/09/21	WELL PLUGGED AND ABANDONED JUNE 2021						
MW-26 [7,8,14]	3833.18	3833.39	3731.85 to 3711.85	08/11/10	- -	106.22	121.33	0.00	106.22	3726.96	NA
				02/23/11	- -	108.44	121.31	0.00	108.44	3724.74	-2.22
				07/12/11	- -	109.58	121.26	0.00	109.58	3723.60	-1.14
				02/01/12	- -	110.38	121.21	0.00	110.38	3722.80	-0.80
				07/23/12	- -	111.28	121.24	0.00	111.28	3721.90	-0.90
				02/18/13	- -	109.00	121.43	0.00	109.00	3724.18	2.28
				08/19/13	- -	111.46	121.43	0.00	111.46	3721.72	-2.46
				02/24/14	- -	112.28	122.30	0.00	112.28	3720.90	-0.82
				08/18/14	- -	113.98	121.31	0.00	113.98	3719.20	-1.70
				02/23/15	- -	114.20	121.20	0.00	114.20	3718.98	-0.22
				08/24/15	- -	114.86	121.15	0.00	114.86	3718.32	-0.66
				03/07/16	- -	115.22	121.12	0.00	115.22	3717.96	-0.36
				08/15/16	- -	115.98	121.18	0.00	115.98	3717.20	-0.76
				02/06/17	- -	116.38	121.07	0.00	116.38	3716.80	-0.40
				06/22/17	- -	116.24	121.21	0.00	116.24	3716.94	0.14
				08/17/17	- -	116.79	121.21	0.00	116.79	3716.39	-0.55
				04/05/18	- -	>118.00	NA	NA	NA	NA	NA
				10/01/18	- -	>118.86	NA	NA	NA	NA	NA
				04/04/19	- -	>117.09	NA	NA	NA	NA	NA
				10/24/19	- -	119.52	121.21	0.00	119.52	3713.66	-2.73
				06/18/20	- -	120.20	121.21	0.00	120.20	3712.98	-0.68
				08/13/20	DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-26R [14]	3833.65	3833.37	3716.15 to 3696.15	10/08/20	- -	121.48	137.08	0.00	121.48	3712.17	NA
				04/15/21	- -	121.24	137.08	0.00	121.24	3712.41	0.24
				09/16/21	- -	121.93	137.08	0.00	121.93	3711.72	-0.69
				04/14/22	- -	121.90	137.08	0.00	121.90	3711.75	0.03
				10/13/22	- -	122.83	137.08	0.00	122.83	3710.82	-0.93
				03/23/23	- -	123.64	137.08	0.00	123.64	3710.01	-0.81
				10/05/23	- -	124.37	137.08	0.00	124.37	3709.28	-0.73
				04/04/24	- -	124.27	137.08	0.00	124.27	3709.38	0.10
				10/03/24	- -	126.38	137.08	0.00	126.38	3707.27	-2.11
				04/03/25	- -	125.12	137.08	0.00	125.12	3708.53	1.26
				10/09/25	- -	127.52	137.08	0.00	127.52	3706.13	-2.40

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-27 [7,8]	3837.27	3834.53	3733.20 to 3713.20	08/11/10	- -	109.00	124.07	0.00	109.00	3728.27	NA
				02/23/11	- -	109.58	123.96	0.00	109.58	3727.69	-0.58
				07/12/11	- -	110.59	124.00	0.00	110.59	3726.68	-1.01
				02/01/12	- -	111.37	123.97	0.00	111.37	3725.90	-0.78
				07/23/12	- -	112.32	123.78	0.00	112.32	3724.95	-0.95
				02/18/13	- -	111.19	123.89	0.00	111.19	3726.08	1.13
				08/19/13	- -	113.06	123.60	0.00	113.06	3724.21	-1.87
				02/24/14	- -	113.81	122.60	0.00	113.81	3723.46	-0.75
				08/18/14	- -	114.96	123.68	0.00	114.96	3722.31	-1.15
				02/23/15	- -	115.32	120.95	0.00	115.32	3721.95	-0.36
				08/24/15	- -	115.99	122.37	0.00	115.99	3721.28	-0.67
				03/07/16	- -	116.26	122.87	0.00	116.26	3721.01	-0.27
				08/15/16	- -	116.94	123.78	0.00	116.94	3720.33	-0.68
				02/06/17	- -	117.32	123.25	0.00	117.32	3719.95	-0.38
				06/22/17	- -	117.30	123.56	0.00	117.30	3719.97	0.02
				08/17/17	- -	117.78	123.56	0.00	117.78	3719.49	-0.48
				04/05/18	- -	118.11	123.56	0.00	118.11	3719.16	-0.33
				10/01/18	- -	>119.15	NA	NA	NA	NA	NA
				04/04/19	- -	>119.15	NA	NA	NA	NA	NA
				10/24/19	- -	120.54	123.56	0.00	120.54	3716.73	-2.43
				06/18/20	- -	121.25	123.56	0.00	121.25	3716.02	-0.71
				10/08/20	- -	122.21	123.56	0.00	122.21	3715.06	-0.96
				04/15/21	- -	122.14	123.56	0.00	122.14	3715.13	0.07
				09/16/21	- -	122.72	123.56	0.00	122.72	3714.55	-0.58
				04/14/22	- -	122.53	123.56	0.00	122.53	3714.74	0.19
				10/13/22	WELL DRY						
				03/23/23	INACCESSIBLE[16]						
				10/05/23	WELL DRY						
				04/04/24	REMOVED FROM MONITORING PROGRAM[17]						
				10/17/24	DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-28 [7,8,18]	3833.44	3833.73	3735.02 to 3715.02	08/11/10	- -	103.72	118.42	0.00	103.72	3729.72	NA
				02/23/11	- -	104.03	118.42	0.00	104.03	3729.41	NA
				07/12/11	- -	105.07	118.35	0.00	105.07	3728.37	-1.04
				01/30/12	- -	105.84	118.38	0.00	105.84	3727.60	-0.77
				07/23/12	- -	106.65	118.31	0.00	106.65	3726.79	-0.81
				02/18/13	- -	106.17	118.47	0.00	106.17	3727.27	0.48
				08/19/13	- -	107.53	118.50	0.00	107.53	3725.91	-1.36
				02/24/14	- -	108.39	118.70	0.00	108.39	3725.05	-0.86
				08/18/14	- -	109.29	118.30	0.00	109.29	3724.15	-0.90
				02/23/15	- -	109.60	118.47	0.00	109.60	3723.84	-0.31
				08/24/15	- -	110.16	118.44	0.00	110.16	3723.28	-0.56
				03/07/16	- -	110.25	118.40	0.00	110.25	3723.19	-0.09
				08/15/16	- -	111.03	118.31	0.00	111.03	3722.41	-0.78
				02/06/17	- -	111.33	118.20	0.00	111.33	3722.11	-0.30
				06/22/17	- -	111.49	118.26	0.00	111.49	3721.95	-0.16
				08/17/17	- -	112.14	118.26	0.00	112.14	3721.30	-0.65
				04/05/18	- -	112.17	118.26	0.00	112.17	3721.27	-0.03
				10/01/18	- -	113.16	118.26	0.00	113.16	3720.28	-0.99
				04/04/19	- -	113.32	118.26	0.00	113.32	3720.12	-0.16
				10/24/19	- -	115.05	118.26	0.00	115.05	3718.39	-1.73
				06/18/20	- -	115.64	118.26	0.00	115.64	3717.80	-0.59
				10/08/20	- -	116.26	118.26	0.00	116.26	3717.18	-0.62
				04/15/21	- -	116.41	118.26	0.00	116.41	3717.03	-0.15
				09/16/21	- -	116.78	118.26	0.00	116.78	3716.66	-0.37
				04/14/22	- -	116.60	118.26	0.00	116.60	3716.84	0.18
				10/13/22	WELL DRY						
				03/23/23	WELL DRY						
				10/05/23	WELL DRY						
				04/04/24	WELL DRY						
				10/03/24	WELL DRY						
				10/21/24	DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						
MW-28R [18]	3833.05	3833.39	3707.99 to 3687.99	04/03/25	- -	121.99	143.70	0.00	121.99	3711.06	NA
				10/09/25	- -	122.59	143.70	0.00	122.59	3710.46	NA

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HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-29 [7,8,18]	3835.55	3836.02	3734.52 to 3714.52	08/11/10	- -	105.80	120.42	0.00	105.80	3729.75	NA
				02/23/11	- -	105.97	120.35	0.00	105.97	3729.58	NA
				07/12/11	- -	107.08	120.33	0.00	107.08	3728.47	-1.11
				01/30/12	- -	107.69	120.33	0.00	107.69	3727.86	-0.61
				07/23/12	- -	108.74	120.27	0.00	108.74	3726.81	-1.05
				02/18/13	- -	108.12	120.47	0.00	108.12	3727.43	0.62
				08/19/13	- -	109.49	120.68	0.00	109.49	3726.06	-1.37
				02/24/14	- -	110.43	120.70	0.00	110.43	3725.12	-0.94
				08/18/14	- -	111.35	120.30	0.00	111.35	3724.20	-0.92
				02/23/15	- -	111.65	120.30	0.00	111.65	3723.90	-0.30
				08/24/15	- -	112.29	120.35	0.00	112.29	3723.26	-0.64
				03/07/16	- -	112.47	120.48	0.00	112.47	3723.08	-0.18
				08/15/16	- -	113.21	120.30	0.00	113.21	3722.34	-0.74
				02/06/17	- -	113.46	120.19	0.00	113.46	3722.09	-0.25
				06/22/17	- -	113.62	120.30	0.00	113.62	3721.93	-0.16
				08/17/17	- -	114.05	120.30	0.00	114.05	3721.50	-0.43
				04/05/18	- -	114.39	120.30	0.00	114.39	3721.16	-0.34
				10/01/18	- -	115.35	120.30	0.00	115.35	3720.20	-0.96
				04/04/19	- -	115.55	120.30	0.00	115.55	3720.00	-0.20
				10/24/19	- -	117.03	120.30	0.00	117.03	3718.52	-1.48
				06/18/20	- -	117.80	120.30	0.00	117.80	3717.75	-0.77
				10/08/20	- -	118.70	120.30	0.00	118.70	3716.85	-0.90
				04/15/21	- -	118.55	120.30	0.00	118.55	3717.00	0.15
				09/16/21	- -	118.99	120.30	0.00	118.99	3716.56	-0.44
				04/14/22	- -	118.72	120.30	0.00	118.72	3716.83	0.27
				10/13/22	WELL DRY						
				03/23/23	WELL DRY						
				10/05/23	WELL DRY						
				04/04/24	WELL DRY						
				10/03/24	WELL DRY						
				10/16/24	DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						
MW-29R [18]	3835.37	3835.69	3710.31 to 3690.31	04/03/25	- -	124.46	145.10	0.00	124.46	3710.91	NA
				10/09/25	- -	125.23	145.10	0.00	125.23	3710.14	NA

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[1] (feet)	Corrected Water Level Elev.[1] (feet)	Water Elevation Change
MW-30 [9]	3839.25	3836.02	3732.28 to 3712.28	08/19/13	- -	110.94	126.97	0.00	110.94	3728.31	NA
				02/24/14	- -	112.14	126.60	0.00	112.14	3727.11	-1.20
				08/18/14	- -	112.79	126.36	0.00	112.79	3726.46	-0.65
				02/23/15	- -	113.18	126.68	0.00	113.18	3726.07	-0.39
				08/24/15	- -	113.75	125.03	0.00	113.75	3725.50	-0.57
				03/07/16	- -	113.90	124.75	0.00	113.90	3725.35	-0.15
				08/15/16	- -	114.65	124.40	0.00	114.65	3724.60	-0.75
				02/06/17	- -	114.91	123.95	0.00	114.91	3724.34	-0.26
				06/22/17	- -	115.12	123.64	0.00	115.12	3724.13	-0.21
				08/16/17	- -	115.37	123.64	0.00	115.37	3723.88	-0.25
				04/05/18	- -	115.94	123.64	0.00	115.94	3723.31	-0.57
				10/01/18	- -	116.93	123.64	0.00	116.93	3722.32	-0.99
				04/04/19	- -	117.36	123.64	0.00	117.36	3721.89	-0.43
				10/24/19	- -	118.81	123.64	0.00	118.81	3720.44	-1.45
				06/18/20	- -	119.59	123.64	0.00	119.59	3719.66	-0.78
				10/08/20	- -	120.45	123.64	0.00	120.45	3718.80	-0.86
				04/15/21	- -	120.39	123.64	0.00	120.39	3718.86	0.06
				09/16/21	- -	120.78	123.64	0.00	120.78	3718.47	-0.39
				04/14/22	- -	120.70	123.64	0.00	120.70	3718.55	0.08
				10/13/22	- -	122.04	123.64	0.00	122.04	3717.21	-1.34
				03/23/23	- -	121.99	123.64	0.00	121.99	3717.26	0.05
				10/05/23	WELL DRY						
				04/04/24	WELL DRY						
				10/03/24	WELL DRY						
				04/03/25	WELL DRY						
				10/09/25	WELL DRY						
MW-31 [10,13]	3819.17	3818.90	3718.90 to 3698.90	02/06/17	98.95	105.11	NM	6.16	99.75	3719.42	NA
				06/22/17	- -	99.84	NM	0.00	99.84	3719.33	-0.09
				08/17/17	100.24	101.22	NM	0.98	100.37	3718.80	-0.53
				04/05/18	100.05	105.55	NM	5.50	100.77	3718.41	-0.39
				10/01/18	101.07	106.82	NM	5.75	101.82	3717.35	-1.06
	3820.17			04/01/19	102.33	107.98	NM	5.65	103.06	3717.11	-0.24
				10/24/19	104.32	104.97	NM	0.65	104.40	3715.77	-1.34
				06/18/20	104.41	107.28	NM	2.87	104.78	3715.39	-0.38
				10/08/20	105.09	108.59	NM	3.50	105.55	3714.63	-0.76
				04/15/21	105.34	109.53	NM	4.19	105.88	3714.29	-0.34
				09/16/21	105.73	111.52	NM	5.79	106.48	3713.69	-0.60
				04/14/22	105.96	111.72	NM	5.76	106.71	3713.46	-0.23
				10/13/22	106.41	112.32	NM	5.91	107.18	3712.99	-0.47
				03/23/23	107.50	114.05	NM	6.55	108.35	3711.82	-1.17
				10/05/23	108.20	114.79	NM	6.59	109.06	3711.11	-0.71
				04/04/24	109.68	110.10	NM	0.42	109.73	3710.44	-0.67
				10/03/24	110.52	112.78	NM	2.26	110.81	3709.36	-1.08
				04/03/25	111.25	112.39	NM	1.14	111.40	3708.77	-0.59
				10/09/25	110.08	115.69	120.50	5.61	110.81	3709.36	0.59

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[(1)] (feet)	Corrected Water Level Elev.[(1)] (feet)	Water Elevation Change
MW-32 [(11)]	3817.69	3818.07	3721.96 to 3701.96	06/22/17	- -	98.62	115.73	0.00	98.62	3719.07	NA
				08/17/17	- -	98.91	115.73	0.00	98.91	3718.78	-0.29
				04/05/18	- -	99.34	115.73	0.00	99.34	3718.35	-0.43
				10/01/18	- -	100.44	115.73	0.00	100.44	3717.25	-1.10
				04/04/19	- -	100.74	115.73	0.00	100.74	3716.95	-0.30
				10/24/19	- -	101.92	115.73	0.00	101.92	3715.77	-1.18
				06/18/20	- -	102.40	115.73	0.00	102.40	3715.29	-0.48
				10/08/20	- -	103.08	115.73	0.00	103.08	3714.61	-0.68
				04/15/21	- -	103.51	115.73	0.00	103.51	3714.18	-0.43
				09/16/21	- -	104.18	115.73	0.00	104.18	3713.51	-0.67
				04/14/22	- -	104.44	115.73	0.00	104.44	3713.25	-0.26
				10/13/22	- -	105.22	115.73	0.00	105.22	3712.47	-0.78
				03/23/23	- -	106.08	115.73	0.00	106.08	3711.61	-0.86
				10/05/23	- -	106.82	115.73	0.00	106.82	3710.87	-0.74
				04/04/24	- -	107.34	115.73	0.00	107.34	3710.35	-0.52
				10/03/24	- -	108.36	115.73	0.00	108.36	3709.33	-1.02
				04/03/25	- -	109.15	115.73	0.00	109.15	3708.54	-0.79
				10/09/25	- -	109.48	115.73	0.00	109.48	3708.21	-0.33
MW-33 [(11)]	3819.68	3817.09	3719.78 to 3699.78	06/22/17	- -	100.55	119.90	0.00	100.55	3719.13	NA
				08/17/17	- -	100.99	119.90	0.00	100.99	3718.69	-0.44
				04/05/18	- -	101.26	119.90	0.00	101.26	3718.42	-0.27
				10/01/18	- -	102.37	119.90	0.00	102.37	3717.31	-1.11
				04/04/19	- -	102.77	119.90	0.00	102.77	3716.91	-0.40
				10/24/19	- -	103.83	119.90	0.00	103.83	3715.85	-1.06
				06/18/20	- -	104.29	119.90	0.00	104.29	3715.39	-0.46
				10/08/20	- -	104.96	119.90	0.00	104.96	3714.72	-0.67
				04/15/21	- -	105.44	119.90	0.00	105.44	3714.24	-0.48
				09/16/21	- -	106.11	119.90	0.00	106.11	3713.57	-0.67
				04/14/22	- -	106.42	119.90	0.00	106.42	3713.26	-0.31
				10/13/22	- -	107.06	119.90	0.00	107.06	3712.62	-0.64
				03/23/23	- -	107.99	119.90	0.00	107.99	3711.69	-0.93
				10/05/23	- -	108.72	119.90	0.00	108.72	3710.96	-0.73
				04/04/24	- -	109.24	119.90	0.00	109.24	3710.44	-0.52
				10/03/24	- -	110.25	119.90	0.00	110.25	3709.43	-1.01
				04/03/25	- -	111.11	119.90	0.00	111.11	3708.57	-0.86
				10/09/25	- -	111.41	119.90	0.00	111.41	3708.27	-0.30

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HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

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RW-1	3838.48	3838.19	3738.19 to 3708.19	04/30/09	- -	106.45	136.09	0.00	106.45	3732.03	NA
				06/10/09	- -	106.59	NM	0.00	106.59	3731.89	-0.14
				06/19/09	- -	106.61	129.62	0.00	106.61	3731.87	-0.02
				07/02/09	- -	106.82	129.25	0.00	106.82	3731.66	-0.21
				07/24/09	- -	106.92	129.31	0.00	106.92	3731.56	-0.10
				09/24/09	- -	107.42	129.73	0.00	107.42	3731.06	-0.50
				10/27/09	- -	107.53	129.25	0.00	107.53	3730.95	-0.11
				01/13/10	- -	107.67	129.29	0.00	107.67	3730.81	-0.14
				02/02/10	- -	107.69	NM	0.00	107.69	3730.79	-0.02
				04/01/10	- -	107.60	NM	0.00	107.60	3730.88	0.09
				08/11/10	- -	108.18	129.29	0.00	108.18	3730.30	-0.58
				02/23/11	- -	108.22	129.31	0.00	108.22	3730.26	-0.04
				07/12/11	- -	109.09	129.27	0.00	109.09	3729.39	-0.87
				02/02/12	- -	109.81	129.34	0.00	109.81	3728.67	-0.72
				07/23/12	- -	110.98	129.07	0.00	110.98	3727.50	-1.17
				02/18/13	- -	110.61	135.79	0.00	110.61	3727.87	0.37
				08/19/13	- -	111.67	129.64	0.00	111.67	3726.81	-1.06
				02/24/14	- -	112.59	129.60	0.00	112.59	3725.89	-0.92
				08/18/14	- -	113.50	129.28	0.00	113.50	3724.98	-0.91
				02/23/15	- -	113.95	129.26	0.00	113.95	3724.53	-0.45
				08/24/15	- -	114.56	129.25	0.00	114.56	3723.92	-0.61
				03/07/16	- -	114.92	129.25	0.00	114.92	3723.56	-0.36
				08/15/16	- -	115.52	129.25	0.00	115.52	3722.96	-0.60
				02/06/17	- -	115.92	129.25	0.00	115.92	3722.56	-0.40
				06/22/17	- -	116.00	129.42	0.00	116.00	3722.48	-0.08
				08/17/17	- -	116.44	129.42	0.00	116.44	3722.04	-0.44
				04/05/18	- -	116.82	129.42	0.00	116.82	3721.66	-0.38
				10/01/18	- -	117.77	129.42	0.00	117.77	3720.71	-0.95
				04/04/19	- -	118.23	129.42	0.00	118.23	3720.25	-0.46
				10/24/19	- -	119.43	129.42	0.00	119.43	3719.05	-1.20
				06/18/20	- -	120.13	129.42	0.00	120.13	3718.35	-0.70
				10/08/20	- -	121.01	129.42	0.00	121.01	3717.47	-0.88
				04/15/21	- -	121.01	129.42	0.00	121.01	3717.47	0.00
				09/16/21	- -	121.57	129.42	0.00	121.57	3716.91	-0.56
				04/14/22	- -	121.35	129.42	0.00	121.35	3717.13	0.22
				10/13/22	- -	122.60	129.42	0.00	122.60	3715.88	-1.25
				03/23/23	- -	122.83	129.42	0.00	122.83	3715.65	-0.23
				10/05/23	- -	123.97	129.42	0.00	123.97	3714.51	-1.14
				04/04/24	- -	124.39	129.42	0.00	124.39	3714.09	-0.42
				10/03/24	- -	126.59	129.42	0.00	126.59	3711.89	-2.20
				04/03/25	- -	127.30	129.42	0.00	127.30	3711.18	-0.71
				10/09/25	- -	128.00	129.42	0.00	128.00	3710.48	-0.70

Table 1. Water Elevation Measurements

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Top of Casing Elevation (feet)	Ground Level Elevation (feet)	Well Screen Interval (feet)	Date	Depth to Product (feet, btoc)	Depth to Water (feet, btoc)	Total Depth (feet, btoc)	Product Thickness (feet)	Corrected Depth to Water[(1)] (feet)	Corrected Water Level Elev.[(1)] (feet)	Water Elevation Change

Notes:

1. Depth to water corrected for presence of product using a specific gravity of 0.87.
2. Monitoring wells MW-1 through MW-7 installed September 1995; plugged and redrilled April 2009.
3. Monitoring wells MW-8 through MW-10 installed March and April 1996; plugged and redrilled April 2009.
4. Monitoring wells MW-11 and MW-12 installed April and May 2002.
5. Monitoring wells MW-13 and MW-14 installed January 2004.
6. Elevation survey of new and existing wells August 7, 2009. Earlier water level information corrected to current survey.
7. Monitoring wells MW-15 through MW-29 installed May-June 2010.
8. Elevation survey of wells MW-15 through MW-29 July 13, 2010.
9. Monitoring wells MW-12R, MW-17R, and MW-30 installed and elevations surveyed June 2013; MW-12 and MW-17 plugged and abandoned June 2013.
10. Monitoring wells MW-11R and MW-31 installed December 2016 and elevations surveyed February 2017; MW-11 plugged and abaondoned June 2013
11. Monitoring wells MW-32 and MW-33 installed and elevations surveyed June 2017.
12. Monitoring wells MW-13R and MW-14R installed and elevations surveyed September 2018; MW-13 and MW-14 plugged and abandoned September 2018.
13. Top of casing elevation was calculated by adding 1 foot to the original surveyed top of casing elevation because a 1 foot additional piece of PVC was added due to the skimmer system.
14. Monitoring wells MW-12R2, MW-16R, MW-23R, and MW-26R installed and elevations surveyed August 2020; MW-12R, MW-16, MW-23, and MW-26 plugged and abandoned August 20
15. Monitoring well MW-20R installed in June 2021 and MW-15R, MW-18R, MW-19R, and MW-24R installed in September 2021 (all surveyed in September 2021); MW-15, MW-18, MW-19, MW-20, MW-24, and MW-25 plugged and abandoned June 2021.
16. Well inaccessible due to refinery operations.
17. Monitoring wells MW-21 and MW-27 were removed from the monitoring program per the 2024 Revised Facility-Wide Groundwater Monitoring Work Plan (2024 FWGMWP) approved by OCD on March 12, 2024.
18. Monitoring wells MW-28R and MW-29R installed and elevations surveyed October 2024; MW-28 and MW-29 plugged and abandoned October 2024.
19. Monitoring wells MW-17R2 and MW-22R installed and elevations surveyed December 2025; MW-17R and MW-22 plugged and abandoned December 2025.

btoc = below top of casing
-- = Not Detected
NM = Not Measured
NA = Not Applicable
>Value = Water level could not be measured due to interference from dedicated pump.

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-1	06/19/2009		<0.0050	0.012	<0.0050	0.031	<0.0050	--	--	--	--	--	--	--	--
	01/19/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	--	<0.00020	<0.00020	<0.00020	--	--
	08/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	03/01/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	07/20/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	02/02/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	07/27/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/27/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	--	--
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	03/09/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	02/07/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000293 J	--	--	--	--	--	--	--
	06/18/2020	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000296 J	--	--	--	--	--	--	--
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000275 J	--	--	--	--	--	--	--
	04/15/2021		<0.0000941	0.000266 J	<0.000278	<0.000174	<0.00100	0.000439 J	--	--	--	--	--	--	--
	09/16/2021		0.000102 JB	<0.000137	<0.000278	<0.000174	<0.00100	0.000560 J	--	--	--	--	--	--	--
	04/14/2022		<0.0000941	0.000241 J	<0.000278	<0.000174	<0.00100	0.000522 J	--	--	--	--	--	--	--
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000455 J	--	--	--	--	--	--	--
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000620 J	--	--	--	--	--	--	--
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00162 J	--	--	--	--	--	--	--
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000950 J	--	--	--	--	--	--	--
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00211 J	--	--	--	--	--	--	--
MW-2	06/22/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/19/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	08/16/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	03/03/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	07/14/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	01/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	07/24/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/19/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	0.00022	--	--
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/25/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	--	--
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	0.00084 J	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	08/28/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.000696 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	03/07/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.000942 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	08/18/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00293 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	02/07/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00719	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00812	<0.000372	<0.000372	<0.000332	<0.000311	0.00403 JB	--	--
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00385 J	0.00228	0.00228	<0.000332	<0.000311	0.00721 JB	--	--
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00214 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000912 JB	--	--
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00260 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00260 J	--	--
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000728 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000475 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000370 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000448 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000706 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000630 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000218 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000171 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000178 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433 [R]	--	--
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000191 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	--	--
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	--[1]	--[1]	--[1]	--[1]	--[1]	--	--
MW-3	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/14/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/14/2010	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	08/19/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	02/24/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	07/15/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	01/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/27/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	--	--
	02/26/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	02/26/2015	FD	<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	08/26/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	03/08/2016		--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/2016		--	--	--	--	--	--	--	--	--	--	--	--	--
	02/07/2017		--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/2017		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/05/2018		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/01/2018		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2019		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/2019		--	--	--	--	--	--	--	--	--	--	--	--	--
	06/18/2020		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/08/2020		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/15/2021		--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2021		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/2022		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/2022		--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/2023		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/2023		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2024		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/2025		--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-4	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	01/13/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/19/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/15/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00044	0.00044	- -	<0.00020	<0.00020	- -	- -
	01/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/24/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.005	<0.0050	<0.0002	<0.0002	<0.00020	<0.00020	<0.00020	- -	- -
	02/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/28/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/15/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00267 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00302 JB	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000574 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000493 J	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00140 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00664	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00906	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0104	<0.000167	<0.000167	<0.0000829	<0.000123	<0.00455	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0109	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/03/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
MW-5	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	01/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/20/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/19/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/24/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000382 J	- -	- -
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.366
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00154 JB	0.0899 JB	0.0397 J
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00240 JB	<0.0314	<0.0247
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000880 J	0.0494 JB	0.0620 J
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0586 J
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0918 J
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000167	<0.000167	<0.0000829	<0.000123	<0.00455	<0.0314	0.0420 J
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
MW-6	06/18/2009		<0.0050	<0.0050	<0.0050	<0.015	0.0075	- -	- -	- -	- -	- -	- -	- -	- -
	06/18/2009	FD	<0.0050	<0.0050	<0.0050	<0.015	0.0074	- -	- -	- -	- -	- -	- -	- -	- -
	02/02/2010		<0.0050	0.013	<0.0050	<0.015	0.0099	- -	- -	- -	- -	- -	- -	- -	- -
	08/19/2010		<0.0050	0.015	<0.0050	<0.015	<0.0050	- -	0.0034	0.0017	- -	0.0017	<0.0010	- -	- -
	03/01/2011		<0.0050	0.018	<0.0050	<0.015	0.013	- -	0.0094	0.0062	<0.00020	0.0032	0.0255	- -	- -
	07/20/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.0008	0.0008	- -	<0.00020	<0.00020	- -	- -
	02/02/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/24/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2013	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00116	0.00052	0.00064	<0.00020	<0.00020	- -	- -
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00292	0.00092	0.0020	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	03/10/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/07/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00123 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000859 JB	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	- -	- -	- -	- -	- -	- -	- -
	06/18/2020	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000149 J	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000274 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000268 J	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000248 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000331 J	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000265 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000257 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-7	06/19/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/02/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	03/01/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/20/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/02/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/27/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000507 J	- -	- -

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-8	06/18/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	08/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	02/25/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	07/19/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	02/01/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.0020	<0.0020	--	<0.0020	<0.0020	--	--
	07/27/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	--	--
	02/26/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000990 J	--	--
	03/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	08/18/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	02/08/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	--	--	--	--	--	--	--
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	--	--	--	--	--	--	--
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000307 J	--	--	--	--	--	--	--
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000573 J	--	--	--	--	--	--	--
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000183 J	--	--	--	--	--	--	--
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000352 J	--	--	--	--	--	--	--
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	--	--	--	--	--	--	--
	03/23/2023		--[2]	--[2]	--[2]	--[2]	--[2]	--[2]	--	--	--	--	--	--	--
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	--	--	--	--	--	--	--
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	--	--	--	--	--	--	--
	10/03/2024		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	--	--	--	--	--	--	--
	10/09/2025		--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/14/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	08/19/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	03/01/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	07/15/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/27/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	--	--
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	08/26/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	08/17/2016		--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/2017		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/01/2018		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/2019		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/08/2020		--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2021		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/2022		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/2023		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2024		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/2025		--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/13/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	08/19/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	--	--	<0.00020	<0.00020	--	--
	03/03/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	0.00028	0.00028	<0.00020	<0.00020	<0.00020	--	--
	07/15/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/27/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	0.00032	--	--
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	--	--
	02/26/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	08/26/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	08/17/2016		--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/2017		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/01/2018		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/2019		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/08/2020		--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2021		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/2022		--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/2023		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2024		--	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/2025		--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	06/18/2009		0.10	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/18/2010		0.20 E	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	08/18/2010		0.078	0.021	<0.0050	<0.015	<0.0050	--	0.00036	0.00036	--	--	0.00122	--	--
	02/25/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	07/19/2011		1.2	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00036	0.00036	--	<0.00020	0.00089	--	--
	02/01/2012		7.8	0.051	<0.0050	0.20	0.096	<0.0050	0.0435	0.039	--	0.0045	0.0035	--	--
	07/27/2012		0.049	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00022	0.00022	<0.00020	<0.00020	0.00023	--	--
	02/27/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/27/2013	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/21/2013	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/28/2014		0.96	0.25	<0.0050	0.20	0.0064	<0.0050	--[1]	--[1]	--[1]	--[1]	--[1]	--	--
	08/20/2014		0.11	0.011	<0.0050	0.030	<0.0050	<0.0050	--[1]	--[1]	--[1]	--[1]	--[1]	--	--
	02/27/2015		0.0026	0.00099 J	<0.00078	0.0036	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	0.0010 J	--	--
	08/28/2015		0.00856	0.00194	0.00283 J	0.0158	<0.00100	0.000420 J	--[1]	--[1]	--[1]	--[1]	--[1]	--	--
	08/28/2015	FD	0.00922	0.00216	0.00305 J	0.0180	<0.00100	0.000467 J	--[1]	--[1]	--[1]	--[1]	--[1]	--	--
	03/09/2016		0.000627 J	0.000778 J	<0.000780	<0.00106	<0.00100	<0.000324	--[1]	--[1]	--[1]	--[1]	--[1]	--	--
	03/09/2016	FD	0.000772 J	0.000908 J	<0.000780	<0.00106	<0.00100	<0.000324	--[1]	--[1]	--[1]	--[1]	--[1]	--	--
	08/15/2016		DRY WELL - PLUGGED AND ABANDONED DECEMBER 2016												

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-11R	02/08/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/08/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000392 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00167 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000350 J	<0.000413	<0.000413	<0.000368	<0.000345	0.000744 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000971 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00284 J	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000614 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000390 J	- -	- -
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000844 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000927 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		0.000660 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000900 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	09/16/2021		0.000157 JB	<0.000137	<0.000278	<0.000174	<0.00100	0.000916 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00174 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00272 J	0.0000799 J	<0.000159	0.0000799 J	<0.000117	<0.00433	- -	- -
	03/23/2023		--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	- -	- -
	10/05/2023		0.000170 J	<0.000137	<0.000278	<0.000174	<0.00100	0.00346 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		0.0840	0.00651	0.00500	0.0226	<0.00100	0.00264 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/03/2024		0.000108 J	<0.000137	<0.000278	<0.000174	<0.00100	0.00219 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00158 J	<0.00266	<0.00266	<0.00132	<0.00195	<0.0723	- -	- -
	10/09/2025		0.00460	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	- -	- -
MW-12	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	01/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/20/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/19/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	--		DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013												
MW-12R	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000362 J	- -	- -
	03/09/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/18/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000439	<0.000439	<0.000392	<0.000367	<0.000394	- -	- -
	02/08/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00273 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00237 JB	- -	- -
	04/05/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00230 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00262 JB	- -	- -
	10/01/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00441 JB	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00257 J	- -	- -
	04/04/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000708 J	- -	- -
	10/24/2019		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	06/18/2020		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020												
MW-12R2	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	0.00662 J	- -	- -
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000167	<0.000167	<0.0000829	<0.000123	<0.00455	- -	- -
	10/03/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000164	<0.000164	<0.0000814	<0.000121	<0.00446	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/09/2025		<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	- -	- -
MW-13	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	01/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/18/2010		0.016	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/25/2011		0.0057	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	0.00091	- -	- -
	07/19/2011		0.0063	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/01/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/26/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/27/2015		0.00034 J	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/26/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000379 J	- -	- -
	03/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/08/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		0.000397 J	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00270 JB	- -	- -
	04/05/2018		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	09/26/2018		DRY WELL - PLUGGED AND ABANDONED SEPTEMBER 2018												
MW-13R	10/01/2018		<0.000331	<0.000384	0.000506 J	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00134 JB	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00164 J	- -	- -
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	- -	- -	- -	- -	- -	- -	- -
	06/18/2020	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000113 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/08/2020	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000195 J	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000239 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	09/16/2021	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000114 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000225 J	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		0.0000984 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	03/23/2023		--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000233 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000674 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000737 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-14	06/16/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	01/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/20/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/18/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	- -	- -	- -	- -	- -	- -	- -
	02/22/2013		- -	- -	- -	- -	- -	- -	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	- -	- -
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	02/28/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	08/20/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	02/27/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000530 J	- -	- -
	08/19/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000413	<0.000413	<0.000368	<0.000345	0.000642 J	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00318 JB	- -	- -
	09/27/2018		DRY WELL - PLUGGED AND ABANDONED SEPTEMBER 2018												
MW-14R	10/01/2018		<0.000331	<0.000384	0.00186	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00278 JB	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
MW-15	08/20/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/24/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/14/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.017	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.0095	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/24/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.017	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/19/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.030	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.0060	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.0056	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/24/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.013	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/24/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.011	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	08/21/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	0.011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	0.0081	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00447 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000997 J	- -	- -
	08/27/2015	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00574	<0.000372	<0.000372	<0.000332	<0.000311	0.000595 J	- -	- -
	03/07/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/15/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00570	<0.000372	<0.000372	<0.000332	<0.000311	0.000534 J	- -	- -
	08/15/2016	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00539	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/06/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00474 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00209 JB	- -	- -
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00217 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000915 JB	- -	- -
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00226 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000561 J	- -	- -
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000889 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021												
MW-15R	09/16/2021		0.000105 JB	<0.000137	<0.000278	<0.000174	<0.00100	0.0120	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0119	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0173	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0204	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00609	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-16	08/20/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/24/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/15/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00030	0.00030	- -	<0.00020	<0.00020	- -	- -
	07/15/2011	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/24/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000397 J	- -	- -
	08/15/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00429 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000817 JB	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000913 J	- -	- -
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020												
MW-16R	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000201 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00181 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00144 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00477 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
MW-17	08/20/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/24/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/18/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	--		DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013												

Table 2. Organic Constituent Concentrations in Groundwater
HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-17R	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/26/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000465 J	- -	- -
	03/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/09/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00208 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	0.00133	0.00133	<0.000332	<0.000311	0.00488 JB	- -	- -
	04/05/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00290 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00259 JB	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00242 J	- -	- -
	04/04/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000493 J	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000373 J	- -	- -
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	04/03/2025		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
MW-18	08/23/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/24/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/18/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00021	0.00021	- -	<0.00020	<0.00020	- -	- -
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	0.00056	- -	- -
	08/20/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/26/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000507 J	- -	- -
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000439	<0.000439	<0.000392	<0.000367	0.000507 J	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00205 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00283 JB	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000389 J	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021												
MW-18R	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	0.000200 J	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000167	<0.000167	<0.0000829	<0.000123	<0.00455	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
MW-19	08/23/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/24/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/18/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2013	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	0.00034	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	08/19/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/26/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	02/26/2015	FD	<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/26/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000610 J	- -	- -
	03/08/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.00186	<0.00186	<0.00166	<0.00156	0.00818 J	- -	- -
	02/08/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00310 JB	- -	- -
	08/16/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00320 JB	- -	- -
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00216 JB	- -	- -
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	- -	- -
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021												
MW-19R	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	0.000335 J	0.000335 J	<0.0000829	<0.000123	<0.00455	- -	- -
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000165	<0.000165	<0.0000822	<0.000122	<0.00450	- -	- -
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-20	08/23/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/25/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/18/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/25/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000508 J	- -	- -
	08/16/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00262 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00309 JB	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00161 J	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021												
MW-20R	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000167	<0.000167	<0.0000829	<0.000123	<0.00455	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
MW-21	08/23/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/28/2011	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/19/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/26/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00131	0.0010	<0.00020	0.00031	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000497 J	- -	- -
	08/16/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.624
	08/17/2017		- -	- -	- -	- -	- -	- -	<0.000372	<0.000372	<0.000332	<0.000311	0.00375 JB	0.0889 JB	0.124
	10/01/2018		- -	- -	- -	- -	- -	- -	<0.000372	<0.000372	<0.000332	<0.000311	0.000383 JB	<0.0314	0.120
	10/24/2019		- -	- -	- -	- -	- -	- -	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	0.0524 JB	0.196
	10/08/2020		- -	- -	- -	- -	- -	- -	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.175
	09/16/2021		- -	- -	- -	- -	- -	- -	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.312
	10/13/2022		- -	- -	- -	- -	- -	- -	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.136
	10/05/2023		- -	- -	- -	- -	- -	- -	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	04/04/2024		REMOVED FROM MONITORING PROGRAM												
	10/21/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024												
MW-22	08/23/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/19/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/31/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/26/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/24/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.819
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00363 JB	0.0786 JB	0.113
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00119 JB	<0.0314	0.104 J
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000635 J	0.0606 JB	0.0674 J
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.122 J
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.179 J
	10/13/2022		<0.0000941	0.000152 J	<0.000278	0.000227 J	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.450
	10/05/2023		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	04/04/2024		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	04/03/2025		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
MW-23	08/23/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/19/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/01/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/26/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/25/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020												
MW-23R	10/08/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/04/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

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Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-24	08/24/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/14/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/01/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/30/2012	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000405 J	- -	- -
	08/16/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00301 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00178 JB	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021												
MW-24R	09/16/2021		0.000725 JB	<0.000137	0.000828 J	0.000194 J	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
MW-25	08/23/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/18/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/01/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/26/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2013	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	08/19/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	02/25/2015	FD	<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000728 J	- -	- -
	08/25/2015	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000581 J	- -	- -
	03/09/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2016	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/07/2017		0.000424 J	<0.000384	<0.000412	0.00207 J	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00347 JB	- -	- -
	08/16/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00233 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	0.00159	0.00159	<0.000349	<0.000326	0.000731 JB	- -	- -
	04/05/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00118 JB	- -	- -
	10/01/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00274 JB	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00201 J	- -	- -
	04/04/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000526 J	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00240 J	- -	- -
	10/24/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000637 J	- -	- -
	06/18/2020		0.000201 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/08/2020		0.000137 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		0.000809 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021												
MW-26	08/24/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/14/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/01/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/26/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	0.00061	- -	- -
	02/26/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/25/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/17/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020												
MW-26R	10/08/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/04/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

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Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-27	08/18/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/25/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	0.00099	- -	- -
	07/20/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	0.00034	- -	- -
	02/01/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/26/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/21/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/27/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/26/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	03/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	08/18/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/08/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00241 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000380	<0.000380	<0.000339	<0.000317	0.00451 JB	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000917 J	- -	- -
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000199 J	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	03/23/2023		--[2]	--[2]	--[2]	--[2]	--[2]	--[2]	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	04/04/2024		REMOVED FROM MONITORING PROGRAM												
	10/17/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024												
MW-28	08/24/2010		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/28/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/23/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/14/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/24/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/19/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	0.00086	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	0.00022	- -	- -
	02/24/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/19/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/23/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	0.00033 J	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000774 J	- -	- -
	03/07/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/15/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000391	<0.000391	<0.000349	<0.000326	0.000459 J	- -	- -
	02/06/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00236 JB	- -	- -
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00119 JB	- -	- -
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	04/04/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/21/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024												
MW-28R	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-29	08/24/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/24/2010	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/14/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	01/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	0.00050	0.00050	- -	<0.00020	<0.00020	- -	- -
	07/24/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/26/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	0.00039 J	- -	- -
	08/27/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.000329 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	03/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00224 J	- -	- -	- -	- -	- -	- -	- -
	08/17/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00197 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/09/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00246 J	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00175 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00419 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00142 J	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000903 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00164 JB	- -	- -
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00133 J	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000578 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	10/24/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000686 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000719 J	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00146 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00156 J	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00276 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000558 J	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	03/23/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	04/04/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/16/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024												

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
MW-29R	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0204	<0.000165	<0.000165	<0.0000822	<0.000122	<0.00450	- -	- -
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-30	06/21/2013		<0.0050	<0.0050	<0.0050	<0.015	- -	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/20/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/27/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	02/25/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	0.00072 J	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	08/28/2015		<0.000331	<0.000384	<0.000780	0.00142 J	<0.00100	0.000887 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	03/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.000964 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	03/08/2016	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.000911 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00107 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2016	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00111 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	02/09/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00190 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/16/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00376 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00799 JB	0.0792 J	0.0551 J
	08/16/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00336 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00141 JB	- -	- -
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00468 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00900 JB	- -	- -
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00549	<0.000372	<0.000372	<0.000332	<0.000311	0.00181 JB	- -	- -
	10/01/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00846	<0.000372	<0.000372	<0.000332	<0.000311	0.00484 JB	<0.0314	0.0391 J
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.0148	<0.000372	<0.000372	<0.000332	<0.000311	0.00110 J	- -	<0.0247
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00916	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	10/24/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.0110	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0139	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0159	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0266	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0282	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0311	<0.000167	<0.000167	<0.0000829	<0.000123	<0.00455	- -	- -
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0288	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	- -	- -
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.0317	0.000288 J	0.000288 J	<0.0000790	<0.000117	<0.00433	- -	- -
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	04/04/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	10/03/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	04/03/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
	10/09/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	- -	- -
MW-32	06/15/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.507
	06/15/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.427
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00126 JB	0.0740 JB	0.167
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000662 JB	<0.0314	0.204
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00459 JB	<0.0314	0.360
	10/01/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00380 JB	<0.0314	0.350
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000633 J	0.0332 JB	0.209
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00114 J	0.0510 JB	0.272
	10/24/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000413	<0.000413	<0.000369	<0.000345	<0.000371	0.0316 JB	0.228
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.146
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0320 JB	0.507
	10/08/2020	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.438
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.366
	04/15/2021	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.380
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.178
	09/16/2021	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.182 J
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.385
	04/14/2022	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.364
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.382
	10/13/2022	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.353
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.546
	03/23/2023	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.405
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.334
	10/05/2023	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.316
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.224
	04/04/2024	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.239
	10/03/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0855 JB	0.851
	10/03/2024	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0807 JB	0.881
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.223
	04/03/2025	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.181
	10/09/2025		<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000739	<0.000739	<0.000267	<0.000301	<0.000825	<0.0594	0.664
	10/09/2025	FD	<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	<0.0594	0.611
MW-33	06/15/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	0.105 B	3.14
	08/17/2017		0.000884 J	0.000627 J	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00306 JB	0.335 B	0.250
	04/05/2018		0.000363 J	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	0.00107	0.00107	<0.000332	<0.000311	0.00596 JB	0.205	0.175
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00271 JB	0.215	0.133
	04/04/2019		0.000401 J	<0.000384	<0.000412	<0.00106	<0.00100	0.000545 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00221 J	0.144	0.0707 J
	10/24/2019		0.000352 J	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00315 J	0.244	0.167
	06/18/2020		0.000244 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.229	0.0490 J
	10/08/2020		0.000342 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.107 B	0.0941 J
	10/08/2020	FD	0.000342 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0989 J
	04/15/2021		0.000296 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0501 J	0.161 B
	04/15/2021	FD	0.000282 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0474 J	0.188 B
	09/16/2021		0.000313 JB	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0464 J	0.0765 J
	09/16/2021	FD	0.000284 JB	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0707 J	0.0786 J
	04/14/2022		0.000234 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.188	0.138
	04/14/2022	FD	0.000225 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.142
	10/13/2022		0.000217 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0398 J	0.173
	10/13/2022	FD	0.000216 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.177
	03/23/2023		0.000285 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.198
	03/23/2023	FD	0.000240 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.183
	10/05/2023		0.000281 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0842 J	0.478
	10/05/2023	FD	0.000285 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0509 J	0.483
	04/04/2024		0.000181 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0500 JB	0.0453 J
	04/04/2024	FD	0.000172 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0532 JB	0.0919 J
	10/03/2024		0.000155 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0957 JB	0.124
	04/03/2025		0.000144 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0793 J
	04/03/2025	FD	0.000102 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0953 J
	10/09/2025		<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	<0.0594	0.158

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
North Well	06/18/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	01/14/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	08/24/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	--	--	--	--	--	--	--
	03/03/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	--	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	07/20/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	02/02/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	--	<0.00020	<0.00020	--	--
	07/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	02/19/2013		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	--	--
	08/22/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	--	--
	12/17/2014		<0.0010	<0.0010	<0.0010	<0.0015	<0.0020	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	--	--
	03/09/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	--	--
	05/19/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00033	<0.00031	<0.00033	--	--
	08/28/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	12/17/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	03/10/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	05/25/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	--	--
	08/18/2016		0.000425 J	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	<0.0247
	12/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0621 J
	02/07/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0531 J
	05/31/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000543 J	0.0448 JB	0.0359 J
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00295 JB	0.0888 JB	0.189
	12/14/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	0.0375 J	0.0391 J
	02/23/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00187 JB	<0.0314	0.0821 JB
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	0.000455 J	0.000455 J	<0.000332	<0.000311	0.00110 JB	<0.0314	0.0385 J
	07/31/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00138 JB	<0.0314	0.0303 J
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00357 JB	<0.0314	0.0354 J
	01/23/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	<0.0247
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00136 J	<0.0314	<0.0247
	07/11/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	<0.0247
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	0.0381 JB	<0.0247
	01/15/2020		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00108 J	0.0611 JB	<0.0247
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	08/19/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0342 JB	0.0415 J
	01/28/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0420 JB	0.0450 JB
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0644 J
	07/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	0.000169 J	0.000169 J	<0.0000790	<0.000117	<0.00433	<0.0314	0.0368 J
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	01/20/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0357 J
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0366 J
	07/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0417 JB
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0610 J
	01/26/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	0.000303 J	0.000303 J	<0.0000790	<0.000117	<0.00433	0.0382 JB	0.0768 JB
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0759 J
	07/27/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0572 J
	01/25/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0688 JB
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	07/18/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0459 JB
	10/03/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000161	<0.000161	<0.0000798	<0.000118	<0.00437	0.0852 JB	0.0252 J
	01/15/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
	04/03/2025		--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]
	07/31/2025		--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]
	10/09/2025		--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]

Table 2. Organic Constituent Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
South Well	06/22/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	01/14/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/24/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	03/03/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/20/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/02/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/19/2013		0.0052	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	02/28/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	08/22/2014	FD	<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	12/17/2014		0.0023	<0.0010	<0.0010	<0.0015	<0.0020	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	- -	- -
	12/17/2014	FD	0.0023	<0.0010	<0.0010	<0.0015	<0.0020	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	- -	- -
	03/09/2015		0.0014	<0.00038	<0.00078	<0.0011	<0.0010	0.00039 J	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	03/09/2015	FD	0.0016	<0.00038	<0.00078	<0.0011	<0.0010	0.00037 J	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	05/19/2015		0.0010 J	<0.00038	<0.00078	<0.0011	<0.0010	0.00052 J	<0.00037	<0.00037	<0.00033	<0.00031	<0.00033	- -	- -
	05/19/2015	FD	0.00091 J	<0.00038	<0.00078	<0.0011	<0.0010	0.00054 J	<0.00037	<0.00037	<0.00033	<0.00031	<0.00033	- -	- -
	08/28/2015		0.00113	<0.000384	<0.000780	<0.00106	<0.00100	0.000518 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/28/2015	FD	0.000921 J	<0.000384	<0.000780	<0.00106	<0.00100	0.000527 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	12/17/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.000815 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	12/17/2015	FD	0.00119	<0.000384	<0.000780	<0.00106	<0.00100	0.000861 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	03/10/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	05/25/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00114 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	05/25/2016	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00118 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/18/2016		0.000451 J	<0.000384	<0.000780	<0.00106	<0.00100	0.00135 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	0.0343 J	0.0303 J
	08/18/2016	FD	0.000509 J	<0.000384	<0.000780	<0.00106	<0.00100	0.00138 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0482 J
	12/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00228 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0961 J
	12/08/2016	FD	<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	0.00190 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.118
	02/07/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00199 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.101
	02/07/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00190 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.178 B
	05/31/2017		0.000503 J	<0.000384	<0.000412	<0.00106	<0.00100	0.00169 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	0.0600 JB	0.0554 J
	05/31/2017	FD	0.000557 J	<0.000384	<0.000412	<0.00106	<0.00100	0.00168 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00329 J	0.0591 JB	0.0509 J
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00102 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00301 JB	0.0968 JB	0.0568 J
	08/17/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00112 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00550 JB	0.0891 JB	0.0536 J
	12/14/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00105 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0641 J
	12/14/2017	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00105 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00153 J	<0.0314	0.0629 J
	02/23/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00113 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00267 J	<0.0314	0.107 B
	02/23/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00118 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000428 J	<0.0314	0.117 B
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000874 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00579 JB	<0.0314	0.0740 J
	07/31/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00124 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00269 J	<0.0314	0.0969 J
	07/31/2018	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00126 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00207 J	<0.0314	0.0662 J
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000929 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000598 JB	<0.0314	0.0534 J
	01/23/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000966 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	0.0485 J	<0.0247
	01/23/2019	FD	<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00110 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	<0.0247
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000943 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00188 J	<0.0314	0.0593 J
	07/11/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00104 J	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0258 JB
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.000903 J	<0.000372	<0.000372	<0.000332	<0.000311	0.000746 J	0.0381 JB	<0.0247
	01/15/2020		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	0.00111 J	<0.000372	<0.000372	<0.000332	<0.000311	0.00102 J	0.0405 JB	<0.0247
	06/18/2020		0.000210 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000757 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	08/19/2020		0.000168 J	<0.000137	<0.000278	<0.000174	<0.00100	0.00108 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	08/19/2020	FD	0.000187 J	<0.000137	<0.000278	<0.000174	<0.00100	0.00102 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/08/2020		0.000205 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000912 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0461 J
	10/08/2020	FD	0.000224 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000877 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0406 J
	01/28/2021		0.000323 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000936 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0582 JB
	01/28/2021	FD	0.000194 J	<0.000137	<0.000278	<0.000174	<0.00100	0.00127 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0575 JB
	04/15/2021		0.000397 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000898 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0865 J
	04/15/2021	FD	0.000447 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000949 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0812 J
	07/15/2021		0.000491 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000805 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0625 J
	07/15/2021	FD	0.000437 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000883 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0510 J
	09/16/2021		0.000345 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000827 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	09/16/2021	FD	0.000304 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000767 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	01/20/2022		0.000339 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000699 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0514 J
	01/20/2022	FD	0.000325 J	<0.000137	<0.000278	<0.000174	<0.00100	0.000715 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0558 J
	04/14/2022		0.000255 J	<0.000137	<0.000278	<0.000174	<0.00100	0.00106 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0647 J
	04/14/2022	FD	0.000260 J	<0.000137	<0.000278	<0.000174	<0.00100	0.00103 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0803 J
	07/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000939 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433 [R]	<0.0314	0.0675 JB
	07/14/2022	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000816 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0685 JB
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000828 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0932 J
	10/13/2022	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000883 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0754 J
	01/26/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00127 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0717 JB
	01/26/2023	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00134	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0323 JB	0.0606 JB
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00154 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0429 J
	03/23/2023	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00106 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.103
	07/27/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000763 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	07/27/2023	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000619	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433 [R]	<0.0314	<0.0247
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00113 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0524 J
	10/05/2023	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00125 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0533 J
	01/25/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000701 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0720 JB
	01/25/2024	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000658 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0863 J
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00140 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0315 JB	<0.0247
	04/04/2024	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.00173 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	07/18/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000838 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	07/18/2024	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000952 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/03/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000930 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0835 JB	0.0638 J
	10/03/2024	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000901 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0829 JB	0.0539 J
	01/15/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000750 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
	01/15/2025	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000730 J	0.000160 J	0.000160 J	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000834 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
	04/03/2025	FD	<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	0.000653 J	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
	07/31/2025		<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	<0.0594	0.0687 J
	07/31/2025	FD	<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	<0.0594	0.0842 J
	10/09/2025		<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	<0.0594	0.108
	10/09/2025	FD	<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	<0.0594	<0.0605

Table 2. Organic Constituent Concentrations in Groundwater
HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	WQCC Volatiles (Method 8260, mg/L)						WQCC Semi-Volatiles (Method 8270, mg/L)					TPH (Method 8015, mg/L)	
			Benzene	Ethylbenzene	Toluene	Total Xylenes	Naphthalene	Chloroform	Total Naphthalene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Total Phenols	TPH GRO (Low Fraction)	TPH DRO (High Fraction)
New Mexico WQCC Groundwater Standards			0.005	0.7	1	0.62	0.03	0.1	0.03	N/A	N/A	N/A	0.005	N/A	N/A
East Well	06/18/2009		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	01/14/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	08/25/2010		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	- -	- -	- -	- -	- -	- -	- -
	03/03/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	- -	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	07/20/2011		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	02/02/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	- -	<0.00020	<0.00020	- -	- -
	07/30/2012		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/27/2012		<0.0050	<0.0050	<0.0050	<0.015	- -	<0.0050	<0.00020	<0.00020	<0.00020	- -	<0.00020	- -	- -
	09/26/2012		<0.0050	<0.0050	<0.0050	<0.015	- -	<0.0050	<0.00020	<0.00020	<0.00020	- -	<0.00020	- -	- -
	10/22/2012		<0.0050	<0.0050	<0.0050	<0.015	- -	<0.0050	<0.00020	<0.00020	<0.00020	- -	<0.00020	- -	- -
	12/27/2012		<0.0050	<0.0050	<0.0050	<0.015	- -	<0.0050	<0.00020	<0.00020	<0.00020	- -	<0.00020	- -	- -
	02/28/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	- -	- -
	08/22/2014		<0.0050	<0.0050	<0.0050	<0.015	<0.0050	<0.0050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00020	- -	- -
	12/17/2014		<0.0010	<0.0010	<0.0010	<0.0015	<0.0020	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	- -	- -
	03/09/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00031	<0.00031	<0.00033	- -	- -
	05/19/2015		<0.00033	<0.00038	<0.00078	<0.0011	<0.0010	<0.00032	<0.00037	<0.00037	<0.00033	<0.00031	<0.00033	- -	- -
	08/28/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	12/17/2015		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	03/10/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	05/25/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	- -	- -
	08/18/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0357 J
	12/08/2016		<0.000331	<0.000384	<0.000780	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0673 J
	02/07/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	0.0552 J
	05/31/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000544 J	0.0590 JB	<0.0247
	08/17/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00403 JB	0.0847 JB	0.0335 J
	12/14/2017		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00192 J	0.0394 J	<0.0247
	02/23/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00330 J	<0.0314	0.0849 JB
	04/05/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00418 JB	<0.0314	<0.0282
	07/31/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00193 J	0.0327 JB	<0.0247
	10/01/2018		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00502 JB	<0.0314	<0.0247
	01/23/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00218 J	<0.0314	<0.0247
	04/04/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000431 J	<0.0314	<0.0247
	07/11/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	<0.000334	<0.0314	<0.0247
	10/24/2019		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.000657 J	0.0386 JB	<0.0247
	01/15/2020		<0.000331	<0.000384	<0.000412	<0.00106	<0.00100	<0.000324	<0.000372	<0.000372	<0.000332	<0.000311	0.00417 J	0.0353 JB	<0.0247
	06/18/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	08/19/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/08/2020		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0366 J
	01/28/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0943 JB
	04/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0703 J
	07/15/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	09/16/2021		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	0.000475 J	0.000187 J	0.000117 J	0.000171 J	<0.00433	<0.0314	<0.0247
	11/10/2021		- -	- -	- -	- -	- -	- -	<0.000159	<0.000159	<0.0000790	<0.000117	- -	- -	- -
	11/10/2021	FD	- -	- -	- -	- -	- -	- -	<0.000159	<0.000159	<0.0000790	<0.000117	- -	- -	- -
	01/20/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	04/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0480 J
	07/14/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0267 JB
	10/13/2022		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0496 J
	01/26/2023		0.0000943 J	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0315 B	0.0510 B
	03/23/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0579 J
	07/27/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/05/2023		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0298 J
	01/25/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	0.0373 J
	04/04/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	07/18/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0247
	10/03/2024		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	0.0821 JB	0.0285 J
	01/15/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
	04/03/2025		<0.0000941	<0.000137	<0.000278	<0.000174	<0.00100	<0.000111	<0.000159	<0.000159	<0.0000790	<0.000117	<0.00433	<0.0314	<0.0605
	07/31/2025		<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	<0.000757	<0.0594	0.0869 J
	10/09/2025		<0.000320	<0.000234	<0.000274	<0.000319	<0.00264	<0.00128	<0.000678	<0.000678	<0.000245	<0.000276	0.00227 J	<0.0594	<0.0605

Notes:
Shading indicates detected result exceeded the New Mexico Water Quality Control Commission (WQCC) Groundwater Standard
N/A = Not Applicable, no New Mexico WQCC Groundwater Standard established for constituent
mg/L = milligrams per liter
FD = Field Duplicate
< = Not reported above laboratory reporting limit
-- = Not Analyzed
(1) = Not analyzed due to insufficient water volume
(2) = Not analyzed due to refinery operations (inaccessible)
(3) = Well is inoperable (turned off)
J = analyte was detected below the laboratory reporting limit (June 2009 to December 2014) or the method quantitation limit (February 2015 to April 2021), or reported detection limit (July 2021, to October 2025), reported value is estimated
B = same analyte was detected in the associated laboratory blank or equipment blank; sample concentration is within 5 times the blank concentration
[R] analyte not usable for project objectives according to the United States Environmental Protection Agency (USEPA) *National Functional Guidelines for Organic Superfund Methods* (USEPA, November 2020)
June 2009 to August 2014 analyses completed by ALS Laboratory Group, Houston, Texas
December 2014 analyses completed by Hall Environmental Analysis Laboratory in Albuquerque, New Mexico
February 2015 to present analyses completed by Pace Analytical National Center for Testing & Innovation (formerly ESC Lab Sciences) in Mount Juliet, Tennessee
Analytical data from 2009 to 2011 were provided by a previous consultant and could not be confirmed against the original data packages

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-1	06/19/2009		131	0.827	3.75	- -	- -	123	694
	01/19/2010		266	0.249	5.84	- -	- -	145	1,240
	08/18/2010		126	0.623	2.59	- -	- -	111	694
	03/01/2011		100	0.502	1.84	- -	- -	83.4	580
	07/20/2011		34.7	0.623	1.14	- -	- -	73.9	492
	02/02/2012		29.9	0.773	<1.00	- -	- -	65.4	392
	07/27/2012		27.3	0.944	<2.00	- -	- -	59.5	358
	02/27/2013		30.0	0.872	<2.00	- -	- -	67.2	400
	08/21/2013		33.2	1.03	<1.00	- -	- -	70.5	406
	02/27/2014		30.0	0.758	0.710	- -	- -	63.2	418
	08/21/2014		26.6	1.10	1.23	- -	- -	68.0	395
	02/25/2015		26	1.1	1.5	- -	- -	66	390
	08/27/2015		27.3	0.961	1.70	- -	- -	72.2	441
	03/09/2016		28.9	1.09	1.76	- -	- -	68.1	- -
	08/17/2016		38.4	1.04	1.93	- -	- -	69.3	436
	02/07/2017		54.6	0.978	2.91	- -	- -	78.9	- -
	08/17/2017		61.5	1.07	2.58	- -	- -	68.1	453
	04/05/2018		48.3	1.04	2.14	- -	- -	63.4	- -
	10/01/2018		42.0	1.03	2.59	- -	- -	65.7	402
	04/04/2019		42.0	1.06	2.80	- -	- -	59.8	- -
	10/24/2019		50.2	1.10	2.72	- -	- -	61.2	389
	06/18/2020		51.8	1.11	3.48	- -	- -	68.2	- -
	06/18/2020	FD	51.4	1.11	3.37	- -	- -	68.0	- -
	10/08/2020		49.9	1.04	3.48	- -	- -	64.4	403
	04/15/2021		50.6	0.926	4.04	- -	- -	68.6	- -
	09/16/2021		52.4	0.914	3.80	- -	- -	73.6	438
	04/14/2022		51.9	0.985	3.79	- -	- -	73.1	- -
	10/13/2022		61.2	0.937	- -	4.08	<0.0420	72.0	448
	03/23/2023		67.1	0.873	- -	3.92	<0.0420	69.1	- -
	10/05/2023		91.7	0.809	- -	5.21	0.0657 J	71.1	507
	04/04/2024		97.5	0.827	- -	6.14	<0.0420	76.1	511
	04/03/2025		77.9	0.682	- -	3.66	<0.0794	66.8	469
MW-2	06/22/2009		252	0.765	2.69	- -	- -	66.8	988
	01/19/2010		246	0.672	3.39	- -	- -	55.1	966
	08/16/2010		276	0.824	3.23	- -	- -	55.9	1,180
	03/03/2011		221	0.763	3.49	- -	- -	57.6	1,010
	07/14/2011		190	0.647	2.98	- -	- -	58.4	966
	01/30/2012		214	0.784	3.43	- -	- -	75.1	1,230
	07/24/2012		201	0.898	3.24	- -	- -	76.3	908
	02/19/2013		213	0.810	3.90	- -	- -	86.6	834
	08/20/2013		178	0.920	5.33	- -	- -	88.9	682
	02/25/2014		139	0.693	5.25	- -	- -	79.4	616
	08/21/2014		122	0.812	6.17	- -	- -	82.3	588
	02/24/2015		130	0.92	7.9	- -	- -	94	710
	08/28/2015		343	1.41	8.33	- -	- -	152	1,000
	03/07/2016		- -	- -	- -	- -	- -	- -	- -
	08/18/2016		123	0.864	6.84	- -	- -	71.8	640
	02/07/2017		- -	- -	- -	- -	- -	- -	- -
	08/16/2017		126	0.977	4.83	- -	- -	70.7	596
	04/05/2018		- -	- -	- -	- -	- -	- -	- -
	10/01/2018		142	0.839	4.46	- -	- -	83.4	693
	04/04/2019		- -	- -	- -	- -	- -	- -	- -
	10/24/2019		159	0.914	3.46	- -	- -	75.0	602
	06/18/2020		- -	- -	- -	- -	- -	- -	- -
	10/08/2020		151	0.915	3.66	- -	- -	96.0	713
	04/15/2021		- -	- -	- -	- -	- -	- -	- -
	09/16/2021		122	0.936	2.77	- -	- -	82.3	606
	04/14/2022		- -	- -	- -	- -	- -	- -	- -
	10/13/2022		133	0.993	- -	3.74	<0.0420	71.0	600
	03/23/2023		- -	- -	- -	- -	- -	- -	- -
	10/05/2023		195	0.878	- -	4.32	<0.0420	62.3	704
	04/04/2024		198	0.891	- -	3.22	<0.0420	74.9	671
	04/03/2025		217	0.853	- -	4.90	<0.0794	67.6	1,230

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-3	06/16/2009		29.1	3.38	2.19	- -	- -	64.6	504
	01/14/2010		49.9	3.18	2.11	- -	- -	76.5	540
	01/14/2010	FD	49.8	3.18	2.11	- -	- -	75.0	552
	08/19/2010		72.7	2.99	1.52	- -	- -	77.7	518
	02/24/2011		88.2	2.58	3.02	- -	- -	80.5	566
	07/15/2011		67.3	2.37	2.59	- -	- -	74.7	568
	01/30/2012		65.6	2.94	2.37	- -	- -	86.3	472
	07/25/2012		35.0	2.70	<2.00	- -	- -	81.3	436
	02/27/2013		54.2	2.47	2.30	- -	- -	89.5	478
	08/22/2013		46.1	2.40	2.06	- -	- -	81.9	456
	02/26/2014		36.9	1.84	2.08	- -	- -	79.1	430
	08/21/2014		30.0	1.84	1.53	- -	- -	78.0	420
	02/26/2015		31	1.5	1.9	- -	- -	74	420
	02/26/2015	FD	32	1.6	2.0	- -	- -	74	420
	08/26/2015		27.3	1.55	1.88	- -	- -	77.6	520
	03/08/2016		23.9	1.32	1.84	- -	- -	65.4	- -
	08/18/2016		24.4	1.16	1.81	- -	- -	66.3	- -
	02/07/2017		25.4	1.25	1.83	- -	- -	77.3	- -
	08/16/2017		29.9	1.15	1.88	- -	- -	71.6	- -
	04/05/2018		26.9	0.896	1.75	- -	- -	73.1	- -
	10/01/2018		30.9	0.783	1.79	- -	- -	74.5	- -
	04/04/2019		37.9	0.628	1.73	- -	- -	73.4	- -
	10/24/2019		29.8	0.648	1.49	- -	- -	75.4	- -
	06/18/2020		30.9	0.442	1.84	- -	- -	76.5	- -
	10/08/2020		28.8	0.369	1.75	- -	- -	72.5	- -
	04/15/2021		26.7	0.353	1.85	- -	- -	76.1	- -
	09/16/2021		29.1	0.326	1.81	- -	- -	80.1	- -
	04/14/2022		27.4	0.357	1.63	- -	- -	73.9	- -
	10/13/2022		29.4	0.289 B	- -	1.68	<0.0420	71.8	- -
	03/23/2023		27.3	0.276	- -	1.50	<0.0420	67.5	- -
	10/05/2023		30.7	0.322	- -	1.69	<0.0420	68.0	- -
	04/04/2024		34.1	0.229	- -	2.13	<0.0420 [R]	74.8	- -
	04/03/2025		43.9	0.321	- -	2.32	<0.0794	80.0	- -
MW-4	06/16/2009		28.9	0.841	1.84	- -	- -	61.5	422
	01/13/2010		29.3	1.10	1.67	- -	- -	66.7	416
	08/19/2010		26.1	1.10	1.10	- -	- -	65.8	324
	02/28/2011		27.1	1.02	1.91	- -	- -	64.4	378
	07/15/2011		25.8	1.12	1.57	- -	- -	63.6	422
	01/30/2012		30.0	1.08	1.71	- -	- -	73.4	388
	07/24/2012		28.9	1.18	<2.00	- -	- -	69.4	414
	02/21/2013		26.6	1.05	<2.00	- -	- -	75.5	360
	08/20/2013		26.4	1.20	1.72	- -	- -	71.6	382
	02/25/2014		26.9	0.877	2.02	- -	- -	75.5	390
	08/20/2014		24.1	1.15	1.64	- -	- -	70.2	372
	02/24/2015		24	1.1	2.1	- -	- -	66	390
	08/28/2015		28.8	1.26	2.32	- -	- -	63.8	479
	08/15/2016		25.1	1.02	2.24	- -	- -	60.3	411
	08/17/2017		34.0	1.17	2.39	- -	- -	57.5	384
	10/01/2018		62.6	1.04	2.60	- -	- -	53.6	574
	10/24/2019		75.6	1.10	2.62	- -	- -	55.0	403
	10/08/2020		98.7	1.04	3.34	- -	- -	53.2	507
	09/16/2021		138	0.857	3.84	- -	- -	55.8	629
	10/13/2022		114	0.947	- -	3.64	<0.0420	58.6	616
	10/05/2023		97.7	0.917	- -	4.24	<0.0420	55.2	520
	04/04/2024		122	0.952	- -	4.39	<0.0420	70.7	581
	04/03/2025		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-5	06/16/2009		186	1.39	3.31	- -	- -	131	952
	01/18/2010		26.4	0.781	4.91	- -	- -	80.6	508
	08/20/2010		18.5	1.13	3.43	- -	- -	77.7	440
	02/28/2011		29.8	1.03	2.91	- -	- -	70.5	570
	07/19/2011		20.9	0.858	2.72	- -	- -	59.0	524
	01/31/2012		26.9	1.04	2.49	- -	- -	61.2	504
	01/31/2012	FD	27.1	1.05	2.54	- -	- -	62.0	436
	07/25/2012		15.9	1.10	2.22	- -	- -	50.1	434
	02/21/2013		10.9	1.04	2.01	- -	- -	40.8	412
	08/20/2013		13.9	1.16	2.05	- -	- -	44.2	448
	02/25/2014		11.8	0.877	2.52	- -	- -	48.4	436
	08/19/2014		8.71	1.16	1.68	- -	- -	44.6	478
	02/24/2015		21	1.4	2.2	- -	- -	43	520
	08/24/2015		19.9	1.52	1.97	- -	- -	39.9	586
	08/17/2016		18.4	1.62	2.15	- -	- -	38.1	449
	08/16/2017		16.0	1.85	2.26	- -	- -	34.2	479
	10/01/2018		23.8	1.31	2.57	- -	- -	26.8	440
	10/24/2019		12.9	1.30	2.04	- -	- -	25.6	335
	10/08/2020		15.1	1.22	2.11	- -	- -	22.2	374
	09/16/2021		28.0	1.03	2.40	- -	- -	22.2	415
	10/13/2022		13.3	0.981	- -	3.03	<0.0420	24.5	393
	10/05/2023		9.92	0.951	- -	2.98	<0.0420	24.2	366
	04/04/2024		11.9	0.991	- -	2.61	<0.0420	23.9	368
	04/03/2025		11.9	0.910	- -	2.53	<0.0794	26.0	414
MW-6	06/18/2009		188	0.113	0.678	- -	- -	101	844
	06/18/2009	FD	168	<0.100	0.682	- -	- -	90.4	812
	02/02/2010		334	<0.100	0.822	- -	- -	90.2	1,400
	08/19/2010		285	<0.100	<1.00	- -	- -	111	1,350
	03/01/2011		282	<0.100	0.750	- -	- -	80.7	1,340
	07/20/2011		174	<0.500	<0.500	- -	- -	114	970
	02/02/2012		58.4	0.313	<1.00	- -	- -	88.0	398
	07/24/2012		77.7	0.217	<2.00	- -	- -	80.1	690
	02/27/2013		65.4	0.368	<2.00	- -	- -	77.1	542
	02/27/2013	FD	65.7	0.370	<2.00	- -	- -	77.6	556
	08/21/2013		43.3	0.441	<0.200	- -	- -	76.6	502
	02/27/2014		124	0.309	<0.500	- -	- -	51.0	814
	08/21/2014		132	0.230	<1.00	- -	- -	34.4	832
	02/25/2015		42	0.58	0.17	- -	- -	67	500
	08/27/2015		32.4	0.505	0.835	- -	- -	66.5	473
	03/10/2016		34.5	0.621	0.688	- -	- -	71.8	- -
	08/17/2016		27.0	0.642	1.06	- -	- -	68.5	1,000
	02/07/2017		31.3	0.665	1.20	- -	- -	79.9	- -
	08/16/2017		46.8	0.761	1.52	- -	- -	73.8	463
	04/05/2018		55.8	0.719	2.04	- -	- -	76.7	- -
	10/01/2018		55.9	0.691	2.02	- -	- -	79.0	485
	04/04/2019		47.4	0.717	2.04	- -	- -	72.9	- -
	10/24/2019		50.0	0.982	2.48	- -	- -	73.1	438
	06/18/2020		55.4	1.03	3.00	- -	- -	75.2	- -
	06/18/2020	FD	55.3	1.03	2.97	- -	- -	74.9	- -
	10/08/2020		50.9	1.02	2.82	- -	- -	66.1	445
	04/15/2021		53.9	0.854	3.66	- -	- -	69.6	- -
	09/16/2021		59.3	0.840	4.05	- -	- -	78.3	517
	04/14/2022		91.2	0.807	5.60	- -	- -	78.6	- -
	10/13/2022		84.7	0.849	- -	5.26	<0.0420	72.3	512
	03/23/2023		107	0.722	- -	5.87	<0.0420	73.0	- -
	10/05/2023		120	0.827	- -	8.82	<0.0420	80.9	635
	04/04/2024		115	0.781	- -	11.0	<0.0420	90.8	660
	10/03/2024		152	0.595	- -	14.0	<0.0794	121	- -
	04/03/2025		113	0.820	- -	7.86	<0.0794	89.6	665
	10/09/2025		126	0.699	- -	7.79	<0.0794	82.9	- -

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-7	06/19/2009		30.6	1.12	1.66	- -	- -	67.2	384
	02/02/2010		28.0	0.854	1.72	- -	- -	62.2	350
	08/18/2010		27.2	0.570	1.12	- -	- -	60.2	370
	03/01/2011		26.5	0.599	1.91	- -	- -	58.2	376
	07/20/2011		23.3	0.626	1.35	- -	- -	56.8	396
	02/02/2012		25.5	0.633	1.66	- -	- -	61.5	356
	07/27/2012		23.6	0.796	2.01	- -	- -	55.2	342
	02/27/2013		25.8	0.709	<2.00	- -	- -	67.3	286
	08/21/2013		26.9	0.748	1.62	- -	- -	60.8	290
	02/27/2014		31.0	0.501	1.50	- -	- -	62.1	408
	08/21/2014		30.8	0.642	1.72	- -	- -	62.2	380
	02/25/2015		35	0.71	2.0	- -	- -	60	420
	08/27/2015		38.4	0.866	2.28	- -	- -	66.9	471
MW-8	06/18/2009		219	0.730	3.46	- -	- -	73.3	798
	01/18/2010		151	0.493	3.80	- -	- -	67.6	742
	08/18/2010		279	0.560	7.08	- -	- -	65.3	1,260
	02/25/2011		144	0.820	<0.500	- -	- -	87.5	694
	07/19/2011		313	0.522	4.49	- -	- -	72.4	1,460
	02/01/2012		376	0.498	8.21	- -	- -	102	1,530
	07/27/2012		224	0.490	8.55	- -	- -	122	1,080
	02/26/2013		246	0.371	11.1	- -	- -	118	1,080
	08/21/2013		101	0.513	9.49	- -	- -	129	788
	02/27/2014		368	0.417	1.43	- -	- -	88.1	1,440
	08/21/2014		360	0.268	4.42	- -	- -	76.6	1,310
	02/26/2015		220	0.49	7.0	- -	- -	86	960
	08/27/2015		258	0.368 J	8.80	- -	- -	88.5	1,260
	03/08/2016		291	0.357	7.84	- -	- -	78.2	1,290
	08/18/2016		94.1	0.537	3.67	- -	- -	71.4	593
	02/08/2017		50.7	0.760	3.02	- -	- -	78.6	- -
	08/17/2017		29.4	0.798	4.02	- -	- -	76.1	699
	04/05/2018		170	0.599	5.61	- -	- -	77.1	877
	10/01/2018		159	0.653	6.49	- -	- -	85.8	807
	04/04/2019		148	0.552	6.29	- -	- -	76.0	819
	10/24/2019		169	0.669	5.98	- -	- -	87.2	765
	06/18/2020		293	0.610	7.50	- -	- -	78.6	1,180
	10/08/2020		139	0.726	5.15	- -	- -	79.5	707
	04/15/2021		126	0.710	5.80	- -	- -	78.2	648
	09/16/2021		168	0.620	7.95	- -	- -	76.1	863
	04/14/2022		193	0.618	8.40	- -	- -	81.6	881
	10/13/2022		279	0.570	- -	8.32	<0.0420	89.8	1,260
	03/23/2023		--(2)	--(2)	- -	--(2)	--(2)	--(2)	--(2)
	10/05/2023		311	0.484	- -	1.59	0.441	35.2	1,240
	04/04/2024		444	0.525	- -	1.89	<0.0420	107	1,390
	10/03/2024		469	0.500	- -	10.2	<0.0794	113	1,510
	04/03/2025		222	0.593	- -	7.04	<0.0794	164	1,250
	10/09/2025		235	0.702	- -	6.66	<0.0794	172	1,230
MW-9	06/16/2009		23.0	1.69	0.748	- -	- -	73.2	380
	01/14/2010		23.9	1.78	1.72	- -	- -	74.4	450
	08/19/2010		21.8	1.64	1.32	- -	- -	75.2	412
	03/01/2011		24.1	1.63	2.01	- -	- -	74.6	414
	07/15/2011		24.9	1.65	1.78	- -	- -	70.2	434
	01/31/2012		31.5	2.22	1.43	- -	- -	80.5	484
	07/25/2012		30.4	1.99	<2.00	- -	- -	77.8	420
	02/27/2013		31.3	1.11	2.82	- -	- -	79.1	440
	08/22/2013		35.7	1.80	3.01	- -	- -	74.0	466
	02/26/2014		54.0	1.48	3.17	- -	- -	71.5	452
	08/21/2014		197	0.655	2.35	- -	- -	111	932
	02/25/2015		49	0.69	3.5	- -	- -	69	440
	08/26/2015		46.6	0.527	4.17	- -	- -	67.5	495
	08/17/2016		81.8	0.544	3.11	- -	- -	73.8	- -
	08/16/2017		100	0.441	3.73	- -	- -	73.9	- -
	10/01/2018		232	0.489	9.00	- -	- -	110	- -
	10/24/2019		220	0.291	5.70	- -	- -	108	- -
	10/08/2020		126	0.300	3.60	- -	- -	93.3	- -
	09/16/2021		123	0.366	3.41	- -	- -	78.6	- -
	10/13/2022		278	0.289 B	- -	10.9	<0.0420	93.6	- -
	10/05/2023		209	0.291	- -	9.76	0.633	126	- -
	04/04/2024		134	0.328	- -	3.55	0.199	85.9	- -
	04/03/2025		172	0.193	- -	8.16	0.336	115	- -

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-10	06/16/2009		32.2	0.878	1.83	- -	- -	76.5	378
	01/13/2010		33.4	1.05	1.84	- -	- -	77.9	436
	08/19/2010		31.7	1.07	1.91	- -	- -	79.8	508
	03/03/2011		32.8	0.945	2.06	- -	- -	79.1	422
	07/15/2011		30.7	1.06	1.68	- -	- -	75.7	470
	01/31/2012		42.9	1.00	1.85	- -	- -	87.4	444
	07/25/2012		42.7	1.10	<2.00	- -	- -	82.6	382
	02/27/2013		48.0	0.960	<2.00	- -	- -	83.5	416
	08/22/2013		95.0	0.994	2.12	- -	- -	72.2	516
	02/26/2014		112	0.674	2.43	- -	- -	70.9	568
	08/21/2014		156	0.856	2.08	- -	- -	68.5	750
	02/26/2015		120	0.71	2.1	- -	- -	68	540
	08/26/2015		115	1.19	1.92	- -	- -	102	551
	08/17/2016		57.5	0.954	1.61	- -	- -	75.0	- -
	08/16/2017		94.0	0.966	2.15	- -	- -	74.5	- -
	10/01/2018		33.3	0.955	1.69	- -	- -	76.3	- -
	10/24/2019		27.4	1.07	1.55	- -	- -	67.6	- -
	10/08/2020		35.2	1.04	1.95	- -	- -	63.2	- -
	09/16/2021		30.3	0.902	2.20	- -	- -	65.8	- -
	10/13/2022		18.1	1.03	- -	1.99	<0.0420	60.9	- -
	10/05/2023		28.5	0.875	- -	2.08	<0.0420	54.2	- -
	04/04/2024		43.3	0.969	- -	2.26	<0.0420	61.4	- -
	04/03/2025		37.0	0.891	- -	2.21	<0.0794	57.3	- -
MW-11	06/18/2009		204	0.579	1.23	- -	- -	43.1	994
	01/18/2010		164	0.527	1.37	- -	- -	71.4	842
	08/18/2010		146	0.616	2.38	- -	- -	50.6	802
	02/25/2011		415	0.549	<0.500	- -	- -	82.3	1,510
	07/19/2011		134	0.575	0.778	- -	- -	57.0	894
	02/01/2012		175	0.749	<0.500	- -	- -	4.96	966
	07/27/2012		133	0.708	<2.00	- -	- -	59.7	784
	02/27/2013		140	0.576	3.11	- -	- -	32.6	908
	02/27/2013	FD	143	0.585	3.23	- -	- -	32.0	908
	08/21/2013		182	0.668	4.04	- -	- -	75.3	854
	08/21/2013	FD	172	0.673	4.19	- -	- -	76.2	868
	02/28/2014		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	08/20/2014		--[1]	--[1]	<1.00	- -	- -	--[1]	--[1]
	02/27/2015		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	08/28/2015		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	08/28/2015	FD	--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	03/09/2016		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	03/09/2016	FD	--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	08/15/2016		DRY WELL - PLUGGED AND ABANDONED DECEMBER 2016						
MW-11R	02/08/2017		- -	- -	- -	- -	- -	- -	972
	02/08/2017	FD	- -	- -	- -	- -	- -	- -	980
	08/17/2017		271	0.599	2.38	- -	- -	157	1,170
	04/05/2018		- -	- -	- -	- -	- -	- -	1,080
	10/01/2018		293	0.587	3.94	- -	- -	116	1,220
	04/04/2019		- -	- -	- -	- -	- -	- -	1,480
	10/24/2019		344	0.574	6.23	- -	- -	130	1,330
	06/18/2020		- -	- -	- -	- -	- -	- -	1,280
	10/08/2020		303	0.495	4.80	- -	- -	90.2	1,200
	04/15/2021		- -	- -	- -	- -	- -	- -	1,120
	09/16/2021		321	0.455	2.87	- -	- -	93.8	1,270
	04/14/2022		- -	- -	- -	- -	- -	- -	1,140
	10/13/2022		305	0.537	- -	3.09	<0.0420	83.6	1,150
	03/23/2023		- -	- -	- -	- -	- -	- -	--[2]
	10/05/2023		285	0.425	- -	0.932	<0.0420	64.8	1,190
	04/04/2024		339	0.557	- -	1.94	<0.0420	86.9	1,230
	10/03/2024		- -	- -	- -	- -	- -	- -	- -
	04/03/2025		290	0.471	- -	5.74	<0.0794	98.3	1,270
	10/09/2025		- -	- -	- -	- -	- -	- -	- -

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-12	06/16/2009		23.0	1.16	1.98	- -	- -	49.6	354
	01/18/2010		26.1	1.05	2.31	- -	- -	49.8	398
	08/20/2010		25.8	1.22	2.00	- -	- -	50.3	340
	02/25/2011		28.5	1.14	<0.500	- -	- -	50.8	402
	07/19/2011		26.8	0.856	2.91	- -	- -	51.2	410
	--		DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013						
MW-12R	08/21/2013		31.2	1.40	8.14	- -	- -	71.1	404
	02/27/2014		28.3	0.886	7.38	- -	- -	63.4	432
	08/20/2014		24.5	1.05	6.98	- -	- -	67.2	410
	02/24/2015		29	1.1	7.0	- -	- -	63	500
	08/25/2015		19.8	1.02	7.36	- -	- -	71.1	527
	03/09/2016		21.6	0.985	6.35	- -	- -	68.2	503
	08/18/2016		25.1	0.810	6.14	- -	- -	75.9	394
	02/08/2017		28.4	0.890	5.25	- -	- -	75.0	509
	08/16/2017		31.0	0.813	5.34	- -	- -	68.8	528
	04/05/2018		33.2	0.699	4.77	- -	- -	71.1	520
	04/05/2018	FD	31.3	0.730	4.78	- -	- -	71.7	535
	10/01/2018		32.9	0.685	4.88	- -	- -	82.9	503
	10/01/2018	FD	32.1	0.645	4.90	- -	- -	87.4	588
	04/04/2019		41.2	0.551	5.09	- -	- -	77.1	623
	04/04/2019	FD	41.8	0.534	5.61	- -	- -	76.1	624
	10/24/2019		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	06/18/2020		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-12R2	10/08/2020		80.0	0.809	3.50	- -	- -	55.5	430
	04/15/2021		86.7	0.924	4.32	- -	- -	59.1	456
	09/16/2021		92.3	0.881	4.11	- -	- -	62.6	496
	04/14/2022		92.1	0.912	4.98	- -	- -	65.0	508
	10/13/2022		95.0	0.920	- -	4.91	<0.0420	73.9	508
	03/23/2023		66.6	0.790	- -	6.98	<0.0420	79.9	538
	10/05/2023		38.7	0.729	- -	6.98	<0.0420	110	600
	04/04/2024		21.4	0.410	- -	8.79	<0.0420 [R]	78.7	567
	10/03/2024		- -	- -	- -	- -	- -	- -	- -
	04/03/2025		25.6	0.405	- -	<0.0884	<0.0794	12.3	652
	10/09/2025		- -	- -	- -	- -	- -	- -	- -
MW-13	06/16/2009		425	0.220	2.65	- -	- -	138	1,790
	01/18/2010		604	0.170	1.08	- -	- -	79.8	2,210
	08/18/2010		390	0.278	<1.00	- -	- -	144	1,720
	02/25/2011		340	0.281	<0.500	- -	- -	235	1,540
	07/19/2011		351	0.327	<0.500	- -	- -	244	1,960
	02/01/2012		418	0.322	<0.500	- -	- -	122	1,590
	07/26/2012		462	0.422	<2.00	- -	- -	123	2,150
	02/26/2013		430	0.366	<2.00	- -	- -	135	1,610
	08/21/2013		548	0.389	<1.00	- -	- -	108	2,000
	02/27/2014		588	0.282	<0.500	- -	- -	106	2,380
	08/19/2014		485	<1.00	<1.00	- -	- -	87.2	1,900
	02/27/2015		550	0.38	0.056 J	- -	- -	59	1,600
	08/26/2015		396	0.505	0.956	- -	- -	107	1,890
	03/08/2016		217	0.552	2.53	- -	- -	75.7	972
	08/17/2016		336	0.396	1.81	- -	- -	97.5	1,340
	02/08/2017		307	0.428	1.28	- -	- -	102	1,140
	08/17/2017		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	04/05/2018		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	09/26/2018		DRY WELL - PLUGGED AND ABANDONED SEPTEMBER 2018						
MW-13R	10/01/2018		407	0.629	3.50	- -	- -	90.2	1,410
	04/04/2019		464	0.326	3.66	- -	- -	94.8	1,980
	10/24/2019		354	0.410	4.02	- -	- -	74.5	1,360
	06/18/2020		294	0.421	5.15	- -	- -	153	1,380
	06/18/2020	FD	297	0.413	5.28	- -	- -	153	1,310
	10/08/2020		272	0.375	5.50	- -	- -	136	1,420
	10/08/2020	FD	276	0.337	5.40	- -	- -	156	1,250
	04/15/2021		291	0.370	6.15	- -	- -	123	1,200
	09/16/2021		285	0.368	5.72	- -	- -	160	1,320
	09/16/2021	FD	270	0.372	5.76	- -	- -	154	1,240
	04/14/2022		242	0.402	5.35	- -	- -	144	1,120
	10/13/2022		206	0.413	- -	3.08	<0.0420	110	1,020
	10/13/2022	FD	206	0.421	- -	3.11	0.0829 JB	111	993
	03/23/2023		--[2]	--[2]	- -	--[2]	--[2]	--[2]	--[2]
	10/05/2023		244	0.345	- -	5.42	<0.0420	110	1,120
	04/04/2024		261	0.433	- -	1.07	<0.0420	112	1,050
	10/03/2024		315	0.349	- -	5.73	<0.0794	155	1,460
	04/03/2025		282	0.360	- -	4.52	<0.0794	124	1,240
	10/09/2025		282	0.402	- -	4.13	<0.0794	123	1,260

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-14	06/16/2009		93.0	0.851	5.16	- -	- -	60.9	540
	01/18/2010		103	0.810	6.03	- -	- -	59.0	598
	08/20/2010		74.1	0.986	2.76	- -	- -	61.3	340
	02/25/2011		58.2	0.918	2.32	- -	- -	58.7	440
	07/18/2011		48.4	1.05	1.36	- -	- -	53.0	482
	01/31/2012		59.7	0.984	1.58	- -	- -	58.3	444
	07/25/2012		69.3	1.03	<2.00	- -	- -	54.8	446
	02/21/2013		- -	- -	<2.00	- -	- -	- -	- -
	02/22/2013		71.9	0.795	- -	- -	- -	52.9	428
	08/22/2013		- -	- -	- -	- -	- -	- -	- -
	02/28/2014		--(1)	--(1)	--(1)	- -	- -	--(1)	--(1)
	08/20/2014		--(1)	--(1)	1.10	- -	- -	--(1)	534
	02/27/2015		--(1)	--(1)	--(1)	- -	- -	--(1)	--(1)
	08/27/2015		104	0.940	1.96	- -	- -	44.6	611
	08/19/2016		118	0.796	4.13	- -	- -	39.3	674
	08/16/2017		--(1)	--(1)	--(1)	- -	- -	--(1)	--(1)
	09/27/2018		DRY WELL - PLUGGED AND ABANDONED SEPTEMBER 2018						
MW-14R	10/01/2018		216	1.15	2.81	- -	- -	54.3	867
	10/24/2019		518	0.873	4.96	- -	- -	61.1	1,840
	10/08/2020		394	0.864	4.81	- -	- -	49.8	1,440
	09/16/2021		394	0.723	5.20	- -	- -	50.6	1,440
	10/13/2022		304	0.744	- -	3.95	<0.0420	49.1	1,160
	10/05/2023		170	0.861	- -	2.71	<0.0420	45.2	731
	04/04/2024		92.8	1.02	- -	1.81	<0.0420	43.5	484
	04/03/2025		81.0	0.972	- -	1.85	<0.0794	42.9	458
MW-15	08/20/2010		221	0.921	3.22	- -	- -	77.6	776
	02/24/2011		190	0.885	4.28	- -	- -	67.0	738
	07/14/2011		236	0.701	4.18	- -	- -	60.9	940
	01/30/2012		304	0.840	4.09	- -	- -	78.6	1,330
	07/24/2012		291	0.965	8.22	- -	- -	80.3	1,060
	02/19/2013		254	0.819	5.12	- -	- -	76.0	882
	08/20/2013		379	0.910	6.82	- -	- -	71.3	1,280
	08/20/2013	FD	381	0.931	6.83	- -	- -	72.7	1,230
	02/24/2014		256	0.715	7.86	- -	- -	83.0	858
	02/24/2014	FD	263	0.832	8.07	- -	- -	82.5	810
	08/21/2014		148	1.02	8.52	- -	- -	97.5	690
	08/21/2014	FD	150	1.01	8.53	- -	- -	95.6	706
	02/24/2015		150	0.90	8.4	- -	- -	94	650
	08/27/2015		181	1.13	8.48	- -	- -	123	728
	08/27/2015	FD	234	1.46	8.47	- -	- -	158	729
	03/07/2016		160	0.877	6.53	- -	- -	85.9	727
	08/15/2016		169	0.685	5.19	- -	- -	93.2	721
	08/15/2016	FD	165	0.738	5.09	- -	- -	93.3	723
	02/06/2017		177	0.781	5.80	- -	- -	105	800
	08/16/2017		219	0.772	5.02	- -	- -	90.2	808
	04/05/2018		222	0.644	4.28	- -	- -	111	808
	10/01/2018		348	0.549	4.26	- -	- -	105	2,230
	04/04/2019		537	0.478	3.85	- -	- -	100	1,880
	10/24/2019		437	0.592	3.29	- -	- -	111	1,370
	06/18/2020		288	0.720	3.88	- -	- -	117	988
	10/08/2020		327	0.583	3.85	- -	- -	99.4	1,150
	04/15/2021		173	0.610	4.00	- -	- -	98.3	679
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021						
MW-15R	09/16/2021		363	0.776	3.56	- -	- -	102	1,080
	04/14/2022		595	0.573	3.50	- -	- -	92.3	1,430
	10/13/2022		466	0.542	- -	3.41	<0.0420	103	1,440
	03/23/2023		436	0.560	- -	2.93	<0.0420	92.5	1,550
	10/05/2023		454	0.529	- -	2.96	<0.0420	91.0	1,550
	04/04/2024		366	0.713	- -	2.78	<0.0420	88.7	1,040
	10/03/2024		507	0.545	- -	5.97	<0.0794	96.3	1,780
	04/03/2025		558	0.604	- -	3.62	<0.0794	97.7	1,880
	10/09/2025		471	0.661	- -	3.40	<0.0794	88.7	1,560

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-16	08/20/2010		25.3	0.930	1.13	- -	- -	73.7	406
	02/24/2011		28.1	0.928	2.36	- -	- -	73.7	412
	07/15/2011		25.5	1.04	1.82	- -	- -	72.0	484
	07/15/2011	FD	21.0	0.733	1.98	- -	- -	54.1	476
	01/30/2012		27.9	0.994	1.79	- -	- -	77.6	398
	07/24/2012		26.6	1.14	<2.00	- -	- -	72.6	404
	02/20/2013		24.0	0.966	<2.00	- -	- -	68.1	316
	08/20/2013		24.7	1.02	1.75	- -	- -	64.0	392
	02/25/2014		23.9	0.766	1.83	- -	- -	62.3	362
	08/19/2014		21.7	0.975	1.41	- -	- -	64.9	362
	02/24/2015		20	1.0	1.9	- -	- -	61	360
	08/27/2015		21.3	1.07	2.34	- -	- -	66.0	408
	08/15/2016		22.3	0.859	1.69	- -	- -	63.5	418
	08/17/2017		25.5	0.940	1.94	- -	- -	66.4	392
	10/01/2018		28.1	0.900	2.16	- -	- -	67.8	386
	10/24/2019		32.0	1.01	2.10	- -	- -	69.8	432
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-16R	10/08/2020		28.8	1.19	2.11	- -	- -	61.5	372
	09/16/2021		41.9	0.805	2.95	- -	- -	68.2	443
	10/13/2022		30.0	0.913	- -	2.63	<0.0420	62.2	419
	10/05/2023		36.8	0.884	- -	2.76	<0.0420	56.3	376
	04/04/2024		36.4	1.00	- -	2.08	<0.0420	60.5	350
	04/03/2025		57.7	0.833	- -	3.83	<0.0794	59.6	439
MW-17	08/20/2010		426	0.517	4.27	- -	- -	72.6	1,650
	02/24/2011		412	0.435	5.33	- -	- -	80.0	1,634
	07/18/2011		336	0.753	4.07	- -	- -	82.7	1,850
	--		DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013						
MW-17R	08/22/2013		246	0.602	3.44	- -	- -	81.7	1,190
	02/27/2014		184	0.425	0.629	- -	- -	92.5	904
	08/22/2014		170	0.602	2.70	- -	- -	94.8	860
	02/26/2015		150	0.65	2.6	- -	- -	75	670
	08/27/2015		110	0.859	2.86	- -	- -	87.4	658
	03/08/2016		65.3	0.722	2.55	- -	- -	76	465
	08/17/2016		219	0.578	4.37	- -	- -	79.8	526
	02/09/2017		150	0.654	3.01	- -	- -	86.3	715
	08/16/2017		60.0	0.770	2.21	- -	- -	85.9	502
	04/05/2018		124	0.664	2.46	- -	- -	68.2	587
	04/05/2018	FD	124	0.679	2.48	- -	- -	69.7	589
	10/01/2018		136	0.631	2.88	- -	- -	79.7	682
	04/04/2019		94.5	0.627	2.21	- -	- -	78.5	568
	04/04/2019	FD	94.3	0.629	2.53	- -	- -	78.5	562
	10/24/2019		67.7	0.771	1.94	- -	- -	89.9	467
	06/18/2020		80.6	0.786	2.13	- -	- -	85.9	503
	10/08/2020		57.6	0.805	2.11	- -	- -	84.7	465
	04/15/2021		80.5	0.641	2.64	- -	- -	82.0	505
	09/16/2021		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	04/14/2022		126	0.634	3.06	- -	- -	72.5	586
	10/13/2022		138	0.640	- -	3.43	<0.0420	67.8	663
	03/23/2023		184	0.486	- -	4.43	<0.0420	71.0	851
	10/05/2023		--[1]	--[1]	- -	--[1]	--[1]	--[1]	--[1]
	04/04/2024		--[1]	--[1]	- -	--[1]	--[1]	--[1]	--[1]
	04/03/2025		--[1]	--[1]	- -	--[1]	--[1]	--[1]	--[1]

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-18	08/23/2010		176	0.456	0.733	- -	- -	287	1,080
	02/24/2011		286	0.514	4.14	- -	- -	298	1,240
	07/18/2011		218	0.800	5.74	- -	- -	234	1,290
	01/31/2012		106	0.722	3.89	- -	- -	94.3	584
	07/25/2012		103	0.753	2.01	- -	- -	63.4	562
	02/22/2013		181	0.564	4.02	- -	- -	116	782
	08/22/2013		197	0.531	5.59	- -	- -	130	1,100
	02/26/2014		145	0.514	4.36	- -	- -	89.1	680
	08/20/2014		143	0.590	1.97	- -	- -	123	678
	02/26/2015		130	0.68	3.5	- -	- -	97	670
	08/25/2015		136	0.703	2.73	- -	- -	65.8	844
	08/17/2016		162	0.557	3.71	- -	- -	53.4	799
	08/16/2017		234	0.648	6.10	- -	- -	93.5	1,030
	10/01/2018		99.6	0.599	2.48	- -	- -	73.8	659
	10/24/2019		120	0.634	3.82	- -	- -	113	653
	10/08/2020		214	0.491	4.72	- -	- -	171	1,090
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021						
MW-18R	09/16/2021		138	0.677	3.32	- -	- -	96.5	653
	10/13/2022		95.0	0.801	- -	1.89	<0.0420	33.0	443
	10/05/2023		83.3	0.791	- -	1.73	<0.0420	42.2	419
	04/04/2024		97.8	0.847	- -	1.69	<0.0420	35.3	427
	04/03/2025		155	0.614	- -	2.83	<0.0794	99.1	695
MW-19	08/23/2010		469	0.536	2.94	- -	- -	178	1,650
	02/24/2011		235	0.713	2.87	- -	- -	90.7	828
	07/18/2011		688	0.734	3.66	- -	- -	142	2,880
	01/31/2012		610	0.568	4.12	- -	- -	121	1,770
	07/25/2012		1,130	0.450	5.11	- -	- -	117	3,570
	02/26/2013		540	0.519	4.21	- -	- -	115	1,650
	08/22/2013		487	0.645	3.43	- -	- -	92.6	1,430
	08/22/2013	FD	475	0.672	3.38	- -	- -	95.7	1,670
	02/26/2014		264	0.576	2.34	- -	- -	72.3	850
	02/26/2014	FD	288	0.555	2.51	- -	- -	76.0	950
	08/19/2014		233	0.592	2.48	- -	- -	84.5	774
	08/19/2014	FD	241	0.627	2.59	- -	- -	84.7	820
	02/26/2015		140	0.87	2.3	- -	- -	82	630
	02/26/2015	FD	130	0.86	2.4	- -	- -	85	660
	08/26/2015		236	0.789	2.86	- -	- -	70.9	888
	03/08/2016		297	0.749	2.81	- -	- -	63.2	1,170
	08/17/2016		470	0.749	2.93	- -	- -	90.3	1,660
	02/08/2017		302	0.735	2.39	- -	- -	57.6	864
	08/16/2017		236	0.832	2.02	- -	- -	57.8	907
	08/16/2017	FD	257	0.626	2.08	- -	- -	61.8	944
	04/05/2018		176	0.797	1.48	- -	- -	61.3	722
	10/01/2018		292	0.706	2.96	- -	- -	85.6	1,270
	04/04/2019		276	0.647	2.32	- -	- -	81.8	1,090
	10/24/2019		323	0.671	3.76	- -	- -	126	1,220
	06/18/2020		299	0.657	2.88	- -	- -	168	1,290
	10/08/2020		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	04/15/2021		--[1]	--[1]	--[1]	- -	- -	--[1]	--[1]
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021						
MW-19R	09/16/2021		297	0.643	2.37	- -	- -	65.2	1,060
	04/14/2022		273	0.643	1.97	- -	- -	55.4	780
	10/13/2022		464	0.537	- -	2.54	<0.0420	103	1,420
	03/23/2023		355	0.484	- -	2.10	<0.0420	88.1	1,290
	10/05/2023		382	0.459	- -	1.98	<0.0420	82.9	1,380
	04/04/2024		349	0.559	- -	1.97	<0.0420	83.1	1,010
	10/03/2024		286	0.688	- -	2.27	<0.0794	64.4	1,140
	04/03/2025		197	0.588	- -	2.20	<0.0794	41.7	813
	10/09/2025		222	0.631	- -	2.42	<0.0794	36.7	917

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-20	08/23/2010		169	0.570	1.74	- -	- -	65.1	868
	02/25/2011		187	0.603	2.58	- -	- -	66.3	840
	07/18/2011		148	0.765	2.06	- -	- -	51.3	1,020
	01/31/2012		174	0.641	2.51	- -	- -	61.4	726
	07/25/2012		189	0.742	2.24	- -	- -	56.0	848
	02/22/2013		155	0.570	2.26	- -	- -	55.8	600
	08/20/2013		180	0.755	2.40	- -	- -	60.4	736
	02/26/2014		159	0.664	2.70	- -	- -	53.4	696
	08/19/2014		138	0.574	2.09	- -	- -	58.5	672
	02/24/2015		120	0.65	2.6	- -	- -	56	690
	08/25/2015		130	0.822	2.61	- -	- -	65.7	750
	08/16/2016		137	0.663	2.50	- -	- -	59.9	652
	08/17/2017		164	0.802	3.12	- -	- -	53.8	757
	10/01/2018		180	0.713	3.86	- -	- -	49.3	785
	10/24/2019		202	0.766	3.97	- -	- -	42.4	825
	10/08/2020		167	0.786	4.47	- -	- -	54.5	762
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021						
MW-20R	09/16/2021		114	0.724	11.7	- -	- -	73.7	688
	10/13/2022		115	0.791	- -	12.0	<0.0420	72.6	629
	10/05/2023		122	0.788	- -	10.0	<0.0420	69.1	663
	04/04/2024		124	0.817	- -	9.50	<0.0420	76.1	625
	04/03/2025		128	0.746	- -	8.37	<0.0794	79.8	721
MW-21	08/23/2010		115	0.250	2.12	- -	- -	52.7	966
	02/28/2011		182	0.257	3.02	- -	- -	56.7	1,050
	02/28/2011	FD	183	0.249	2.99	- -	- -	56.3	1,000
	07/19/2011		191	0.163	2.62	- -	- -	57.0	1,250
	01/31/2012		200	0.229	2.84	- -	- -	64.7	1,040
	07/26/2012		186	0.306	2.64	- -	- -	60.4	1,130
	02/22/2013		160	0.246	2.86	- -	- -	78.3	968
	08/20/2013		156	0.268	3.96	- -	- -	82.5	972
	02/25/2014		134	0.213	3.78	- -	- -	75.9	918
	08/19/2014		156	0.250	3.35	- -	- -	72.7	938
	02/24/2015		160	0.32	3.7	- -	- -	70	1,100
	08/25/2015		197	0.341	3.06	- -	- -	77.0	1,430
	08/16/2016		131	0.253	4.05	- -	- -	71.7	- -
	08/17/2017		- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -
	10/08/2020		- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -
	04/04/2024		REMOVED FROM MONITORING PROGRAM						
	10/21/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						
MW-22	08/23/2010		115	0.552	1.76	- -	- -	62.3	726
	02/28/2011		117	0.587	2.36	- -	- -	68.6	678
	07/19/2011		107	0.568	2.06	- -	- -	64.1	740
	01/31/2012		141	0.570	2.26	- -	- -	74.3	766
	07/26/2012		149	0.628	2.09	- -	- -	68.3	830
	02/21/2013		178	0.500	2.30	- -	- -	80.4	798
	08/21/2013		176	0.606	2.94	- -	- -	83.0	890
	02/25/2014		172	0.416	3.53	- -	- -	85.2	842
	08/20/2014		120	1.00	2.36	- -	- -	127	738
	02/24/2015		110	0.57	3.3	- -	- -	81	820
	08/25/2015		118	0.618	4.85	- -	- -	81.1	928
	08/16/2016		128	0.577	5.86	- -	- -	57.6	827
	08/17/2017		87.4	0.644	48.6	- -	- -	53.6	700
	10/01/2018		34.3	0.652	12.9	- -	- -	46.7	883
	10/24/2019		61.9	0.775	6.54	- -	- -	42.7	637
	10/08/2020		49.2	0.800	5.85	- -	- -	41.1	651
	09/16/2021		53.8	0.742	3.58	- -	- -	58.4	659
	10/13/2022		121	0.744	- -	4.98	<0.0420	83.8	--(1)
	10/05/2023		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	04/04/2024		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	04/03/2025		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-23	08/23/2010		645	0.782	2.92	- -	- -	121	2,260
	02/28/2011		511	0.676	3.47	- -	- -	81.9	1,540
	07/19/2011		712	0.670	3.79	- -	- -	108	3,090
	02/01/2012		887	0.697	4.07	- -	- -	85.4	2,720
	07/26/2012		774	0.750	3.45	- -	- -	100	3,060
	02/26/2013		662	0.690	3.46	- -	- -	93.9	2,040
	08/21/2013		530	0.808	3.29	- -	- -	115	1,910
	02/25/2014		574	0.605	3.41	- -	- -	89.0	1,860
	08/21/2014		443	0.792	2.89	- -	- -	98.1	1,680
	02/25/2015		57	0.63	3.1	- -	- -	92	1,000
	08/25/2015		431	0.874	4.39	- -	- -	91.9	2,190
	08/17/2016		411	0.792	3.02	- -	- -	88.5	1,400
	08/17/2017		237	0.917	2.45	- -	- -	97.4	1,050
	10/01/2018		27.0	0.825	1.93	- -	- -	47.0	720
	10/24/2019		--[1]	--[1]	4.67	- -	- -	--[1]	--[1]
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-23R	10/08/2020		191	1.26	3.37	- -	- -	89.2	754
	09/16/2021		176	1.01	3.85	- -	- -	100	793
	10/13/2022		145	1.26	- -	3.27	<0.0420	89.2	696
	10/05/2023		172	1.17	- -	3.66	<0.0420	87.9	737
	04/04/2024		174	1.16	- -	3.61	<0.0420	88.4	719
	04/03/2025		168	1.16	- -	3.73	<0.0794	97.9	820
MW-24	08/24/2010		34.6	2.31	2.40	- -	- -	53.9	422
	02/28/2011		39.6	2.16	2.94	- -	- -	55.3	414
	07/14/2011		43.1	1.55	2.38	- -	- -	48.1	504
	02/01/2012		50.6	2.42	2.32	- -	- -	62.3	418
	07/30/2012		51.8	2.42	2.39	- -	- -	55.1	420
	07/30/2012	FD	55.5	2.34	2.34	- -	- -	58.8	446
	02/26/2013		46.6	2.39	2.05	- -	- -	68.6	442
	08/21/2013		56.5	2.77	2.04	- -	- -	55.6	426
	02/27/2014		37.3	2.28	2.11	- -	- -	51.3	396
	08/21/2014		29.2	2.76	2.39	- -	- -	44.0	368
	02/25/2015		24	2.7	2.8	- -	- -	42	360
	08/25/2015		25.5	2.75	2.95	- -	- -	43.2	494
	08/16/2016		26.0	2.78	2.83	- -	- -	42.9	407
	08/17/2017		40.5	2.96	2.86	- -	- -	45.2	388
	10/01/2018		35.8	2.65	3.80	- -	- -	35.3	397
	10/24/2019		34.8	2.93	3.69	- -	- -	41.7	344
	10/08/2020		21.4	2.68	4.94	- -	- -	36.9	417
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021						
MW-24R	09/16/2021		80.8	2.79	2.51	- -	- -	72.8	455
	10/13/2022		71.0	2.35	- -	2.60	<0.0420	75.5	457
	10/05/2023		53.9	2.41	- -	4.36	<0.0420	59.6	427
	04/04/2024		70.3	2.17	- -	2.65	<0.0420	88.5	434
	04/03/2025		71.2	2.25	- -	2.75	<0.0794	83.2	477

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-25	08/23/2010		178	0.871	2.42	- -	- -	182	946
	02/28/2011		256	0.729	2.83	- -	- -	93.9	998
	07/18/2011		77.8	1.12	3.64	- -	- -	96.2	634
	02/01/2012		175	0.813	4.56	- -	- -	84.4	820
	07/26/2012		133	0.892	37.1	- -	- -	144	1,110
	02/26/2013		109	0.710	19.4	- -	- -	113	788
	08/22/2013		314	0.696	3.36	- -	- -	74.7	1,350
	08/22/2013	FD	310	0.684	3.42	- -	- -	74.3	1,350
	02/26/2014		293	0.476	2.98	- -	- -	69.3	1,100
	02/26/2014	FD	289	0.546	2.98	- -	- -	68.6	1,090
	08/19/2014		302	<0.500	3.06	- -	- -	79.5	1,230
	08/19/2014	FD	319	<0.500	2.76	- -	- -	83.5	1,200
	02/25/2015		38	0.73	3.1	- -	- -	69	870
	02/25/2015	FD	180	0.71	3.1	- -	- -	69	840
	08/25/2015		211	0.693	2.96	- -	- -	72.6	1,110
	08/25/2015	FD	207	0.631	2.9	- -	- -	71.1	1,140
	03/09/2016		345	0.618	2.65	- -	- -	68.5	1,140
	08/16/2016		292	0.637	1.44	- -	- -	73.9	976
	08/16/2016	FD	287	0.638	1.50	- -	- -	73.5	1,010
	02/07/2017		298	0.567	1.64	- -	- -	93.4	1,000
	08/16/2017		280	0.791	1.52	- -	- -	68.4	996
	08/16/2017	FD	287	0.600	1.57	- -	- -	71.2	1,050
	04/05/2018		82.6	0.568	2.16	- -	- -	76.4	1,380
	04/05/2018	FD	401	0.605	2.17	- -	- -	79.5	1,360
	10/01/2018		284	0.518	3.89	- -	- -	105	1,090
	10/01/2018	FD	288	0.508	3.86	- -	- -	110	1,180
	04/04/2019		224	0.509	3.84	- -	- -	103	1,040
	04/04/2019	FD	224	0.500	4.57	- -	- -	104	1,030
	10/24/2019		232	0.586	3.89	- -	- -	112	986
	10/24/2019	FD	223	0.572	3.91	- -	- -	107	1,010
	06/18/2020		368	0.467	3.96	- -	- -	188	1,460
	10/08/2020		390	0.383	2.83	- -	- -	129	1,440
	04/15/2021		361	0.405	3.80	- -	- -	119	1,320
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021						
MW-26	08/24/2010		217	0.484	2.88	- -	- -	98.5	958
	02/28/2011		202	0.517	3.86	- -	- -	125	940
	07/14/2011		184	<0.500	3.95	- -	- -	128	1,030
	02/01/2012		196	0.568	3.68	- -	- -	131	952
	07/26/2012		179	0.647	3.11	- -	- -	121	940
	02/26/2013		144	0.640	4.78	- -	- -	138	760
	08/22/2013		222	0.611	5.55	- -	- -	133	1,170
	02/26/2014		187	0.470	3.11	- -	- -	146	944
	08/21/2014		67.8	0.511	3.18	- -	- -	78.9	644
	02/25/2015		190	0.71	2.3	- -	- -	110	790
	08/25/2015		220	0.670	2.93	- -	- -	143	1,160
	08/17/2016		223	0.645	2.28	- -	- -	122	- -
	08/17/2017		301	0.162	4.06	- -	- -	92.1	- -
	10/01/2018		235	0.466	- -	- -	- -	126	1,020
	10/24/2019		244	0.722	4.11	- -	- -	132	- -
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020						
MW-26R	10/08/2020		238	0.530	10.0	- -	- -	131	- -
	09/16/2021		329	0.429	11.6	- -	- -	161	- -
	10/13/2022		255	0.543	- -	6.60	<0.0420	130	- -
	10/05/2023		209	0.448	- -	4.24	<0.0420	138	- -
	04/04/2024		245	0.673	- -	1.30	<0.0420	112	- -
	04/03/2025		250	0.452	- -	4.22	<0.0794	104	- -

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-27	08/18/2010		115	0.644	5.10	- -	- -	118	752
	02/25/2011		144	0.595	<0.500	- -	- -	78.5	746
	07/20/2011		150	0.510	1.69	- -	- -	73.2	812
	02/01/2012		164	0.691	2.43	- -	- -	99.8	676
	07/26/2012		164	0.680	2.95	- -	- -	65.3	754
	02/26/2013		199	0.647	2.77	- -	- -	70.7	756
	08/20/2013		315	0.562	7.12	- -	- -	75.5	1,180
	02/27/2014		298	0.415	8.00	- -	- -	89.3	1,150
	08/21/2014		256	0.540	4.99	- -	- -	85.1	1,100
	02/27/2015		170	1.0	3.8	- -	- -	96	790
	08/26/2015		139	2.27	2.94	- -	- -	95.2	690
	03/08/2016		- -	- -	- -	- -	- -	- -	- -
	08/18/2016		- -	- -	- -	- -	- -	- -	- -
	02/08/2017		- -	- -	- -	- -	- -	- -	- -
	08/17/2017		- -	- -	- -	- -	- -	- -	- -
	04/05/2018		- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -
	04/04/2019		- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -
	06/18/2020		- -	- -	- -	- -	- -	- -	- -
	10/08/2020		- -	- -	- -	- -	- -	- -	- -
	04/15/2021		- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -
	04/14/2022		- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -
	03/23/2023		- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -
	04/04/2024		REMOVED FROM MONITORING PROGRAM						
	10/17/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						
MW-28	08/24/2010		71.2	1.66	1.70	- -	- -	60.3	440
	08/28/2010		- -	- -	- -	- -	- -	- -	- -
	02/23/2011		106	1.57	<0.500	- -	- -	67.4	540
	07/14/2011		106	1.28	2.40	- -	- -	67.8	732
	01/30/2012		80.6	1.68	2.53	- -	- -	81.1	572
	07/24/2012		74.9	1.79	2.33	- -	- -	81.6	500
	02/19/2013		65.5	1.61	2.57	- -	- -	88.4	468
	08/20/2013		70.4	1.77	2.42	- -	- -	77.4	480
	02/24/2014		71.7	1.30	2.60	- -	- -	74.2	480
	08/19/2014		70.0	1.65	2.31	- -	- -	78.2	512
	02/23/2015		70	1.6	2.8	- -	- -	72	500
	08/27/2015		142	3.07	3.08	- -	- -	143	549
	03/07/2016		73.1	1.62	3.31	- -	- -	70.8	- -
	08/15/2016		73.2	1.37	3.08	- -	- -	70.6	612
	02/06/2017		79.1	1.63	3.92	- -	- -	98.4	- -
	08/17/2017		66.3	1.82	4.02	- -	- -	97.5	524
	04/05/2018		63.1	1.74	4.11	- -	- -	99.7	- -
	10/01/2018		63.6	1.76	3.91	- -	- -	92.2	490
	04/04/2019		75.3	1.76	3.69	- -	- -	80.1	- -
	10/24/2019		87.8	2.04	3.40	- -	- -	79.9	519
	06/18/2020		103	2.11	3.45	- -	- -	76.8	- -
	10/08/2020		152	1.81	3.41	- -	- -	98.8	664
	04/15/2021		119	1.91	4.06	- -	- -	84.5	- -
	09/16/2021		141	1.86	4.12	- -	- -	79.2	639
	04/14/2022		133	1.94	3.66	- -	- -	85.4	- -
	10/13/2022		--[1]	--[1]	- -	--[1]	--[1]	--[1]	--[1]
	03/23/2023		--[1]	--[1]	- -	--[1]	--[1]	--[1]	- -
	10/05/2023		--[1]	--[1]	- -	--[1]	--[1]	--[1]	--[1]
	04/04/2024		--[1]	--[1]	- -	--[1]	--[1]	--[1]	--[1]
	10/03/2024		--[1]	--[1]	- -	--[1]	--[1]	--[1]	- -
	10/21/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						
MW-28R	04/03/2025		90.5	1.34	- -	0.0925 J	<0.0794	106	477
	10/09/2025		89.7	1.42	- -	<0.0884	<0.0794	68.5	- -

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-29	08/24/2010		456	0.753	2.18	- -	- -	167	726
	08/24/2010	FD	132	0.741	2.15	- -	- -	100	742
	02/28/2011		119	0.819	3.05	- -	- -	101	670
	07/14/2011		135	0.707	2.61	- -	- -	71.6	798
	01/30/2012		152	0.769	3.22	- -	- -	96.3	898
	07/24/2012		250	0.828	4.08	- -	- -	90.1	1,120
	02/26/2013		159	0.788	2.90	- -	- -	82.4	722
	08/20/2013		152	0.934	2.95	- -	- -	96.2	654
	02/27/2014		141	0.811	3.22	- -	- -	74.4	660
	02/27/2014	FD	141	0.819	3.37	- -	- -	74.3	690
	08/20/2014		177	0.809	3.44	- -	- -	72.9	826
	02/25/2015		250	0.95	5.6	- -	- -	90	1,000
	08/27/2015		247	0.573	6.77	- -	- -	81.8	1,220
	03/08/2016		- -	- -	- -	- -	- -	- -	- -
	08/17/2016		171	0.693	4.61	- -	- -	81.5	349
	02/09/2017		- -	- -	- -	- -	- -	- -	- -
	08/17/2017		201	0.723	4.76	- -	- -	86.4	920
	04/05/2018		- -	- -	- -	- -	- -	- -	- -
	10/01/2018		175	0.490	5.62	- -	- -	113	1,010
	04/04/2019		- -	- -	- -	- -	- -	- -	- -
	10/24/2019		264	0.674	5.33	- -	- -	87.7	1,000
	10/24/2019	FD	258	0.649	5.32	- -	- -	87.9	1,060
	06/18/2020		- -	- -	- -	- -	- -	- -	- -
	10/08/2020		150	0.748	6.90	- -	- -	96.1	705
	04/15/2021		- -	- -	- -	- -	- -	- -	- -
	09/16/2021		187	0.672	6.40	- -	- -	76.8	827
	04/14/2022		- -	- -	- -	- -	- -	- -	- -
	10/13/2022		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	03/23/2023		- -	- -	- -	- -	- -	- -	- -
	10/05/2023		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	04/04/2024		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	10/03/2024		- -	- -	- -	- -	- -	- -	- -
	10/16/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024						
MW-29R	04/03/2025		148	0.730	- -	2.33	<0.0794	87.0	725
	10/09/2025		- -	- -	- -	- -	- -	- -	- -
MW-30	06/21/2013		51.2	1.87	3.51	- -	- -	96.7	426
	08/20/2013		63.7	1.59	2.85	- -	- -	87.0	438
	02/27/2014		64.0	1.07	2.96	- -	- -	90.0	476
	08/22/2014		61.1	1.45	2.75	- -	- -	84.5	444
	02/25/2015		75	1.4	3.1	- -	- -	81	460
	08/28/2015		83.6	1.61	3.97	- -	- -	86.2	525
	03/08/2016		70.6	1.3	3.53	- -	- -	83	450
	03/08/2016	FD	70.4	1.3	3.54	- -	- -	83	464
	08/16/2016		71.6	1.29	3.24	- -	- -	87.5	534
	08/16/2016	FD	75.5	1.29	3.22	- -	- -	87.7	491
	02/09/2017		71.7	1.26	3.52	- -	- -	87.3	497
	08/16/2017		68.3	1.31	3.38	- -	- -	78.9	468
	08/16/2017	FD	68.4	1.05	3.50	- -	- -	82.2	479
	04/05/2018		70.8	1.19	3.35	- -	- -	77.2	474
	10/01/2018		76.7	1.11	3.52	- -	- -	81.2	517
	10/01/2018	FD	76.3	1.09	3.70	- -	- -	80.6	509
	04/04/2019		78.5	1.06	3.61	- -	- -	69.4	513
	10/24/2019		85.0	1.24	3.29	- -	- -	71.7	479
	10/24/2019	FD	86.0	1.23	3.18	- -	- -	72.6	501
	06/18/2020		91.7	1.20	3.31	- -	- -	71.2	520
	10/08/2020		94.3	1.05	3.29	- -	- -	77.3	496
	04/15/2021		93.2	0.960	3.68	- -	- -	62.9	501
	09/16/2021		95.4	0.990	3.57	- -	- -	62.7	539
	04/14/2022		110	0.951	4.03	- -	- -	60.8	536
	10/13/2022		107	0.981	- -	4.85	<0.0420	56.5	548
	03/23/2023		122	0.800	- -	7.10	<0.0420	53.1	624
	10/05/2023		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	04/04/2024		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	10/03/2024		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	04/03/2025		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)
	10/09/2025		--(1)	--(1)	- -	--(1)	--(1)	--(1)	--(1)

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
MW-32	06/15/2017		- -	- -	- -	- -	- -	- -	- -
	06/15/2017	FD	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		109	2.77	<0.0197	- -	- -	99.4	683
	04/05/2018		165	1.12	1.74	- -	- -	143	939
	10/01/2018		34.7	0.357 B	<0.0197	- -	- -	47.4	383
	10/01/2018	FD	34.9	0.360 B	<0.0197	- -	- -	47.7	451
	04/04/2019		159	0.478	1.10	- -	- -	146	940
	10/24/2019		90.5	0.453	7.15	- -	- -	173	745
	10/24/2019	FD	89.1	0.422	7.08	- -	- -	172	827
	06/18/2020		92.7	0.355	6.25	- -	- -	183	872
	10/08/2020		54.1	0.286	3.36	- -	- -	182	741
	10/08/2020	FD	50.6	0.278	3.13	- -	- -	190	760
	04/15/2021		61.8	0.292	1.71	- -	- -	132	692
	04/15/2021	FD	60.4	0.292	1.70	- -	- -	128	677
	09/16/2021		57.0	0.247	3.56	- -	- -	142	728
	09/16/2021	FD	57.4	0.245	3.57	- -	- -	150	740
	04/14/2022		42.5	0.274	12.5	- -	- -	170	813
	04/14/2022	FD	42.9	0.272	12.7	- -	- -	167	788
	10/13/2022		34.2	0.412	- -	12.1	0.0486 J	172	828
	10/13/2022	FD	34.5	0.395	- -	12.9	0.0901 JB	179	822
	03/23/2023		26.7	0.330	- -	10.3	0.118	150	803
	03/23/2023	FD	27.1	0.426	- -	9.78	0.0892 J	145	775
	10/05/2023		26.5	0.487	- -	3.87	0.234	78.7	552
	10/05/2023	FD	26.5	0.482	- -	3.84	0.241	78.6	548
	04/04/2024		98.1	0.153	- -	2.85	0.281	131	695
	04/04/2024	FD	102	0.294 B	- -	2.79	0.324	135	681
	10/03/2024		5.32	0.579	- -	<0.0884	<0.0794	29.0	286
	10/03/2024	FD	5.38	0.544	- -	<0.0884	<0.0794	29.0	314
	04/03/2025		28.3	0.610	- -	11.7	<0.0794	107	321
	04/03/2025	FD	5.76	0.389	- -	<0.0884	<0.0794	11.7	310
	10/09/2025		2.98	0.460	- -	<0.0884	<0.0794	12.6	320
	10/09/2025	FD	3.13	0.482	- -	<0.0884	<0.0794	13.2	307
MW-33	06/15/2017		- -	- -	- -	- -	- -	- -	- -
	08/17/2017		74.7	2.26	<0.0197	- -	- -	57.1	792
	04/05/2018		84.1	1.15	<0.0197	- -	- -	15.4	902
	10/01/2018		118	0.859	<0.0197	- -	- -	13.8	1,170
	04/04/2019		137	0.729	<0.0197	- -	- -	12.4	1,230
	10/24/2019		160	0.748	<0.0197	- -	- -	7.98	1,160
	06/18/2020		145	0.770	<0.0500	- -	- -	12.8	1,220
	10/08/2020		95.3	0.647	<0.0500	- -	- -	21.6	1,090
	10/08/2020	FD	96.3	0.644	<0.0500	- -	- -	21.3	1,060
	04/15/2021		78.7	0.635	<0.0500 [R]	- -	- -	9.75	1,090
	04/15/2021	FD	79.3	0.620	<0.0500 [R]	- -	- -	9.74	1,100
	09/16/2021		56.3	0.640	<0.0500	- -	- -	11.5	1,130
	09/16/2021	FD	56.3	0.639	<0.0500	- -	- -	11.7	1,130
	04/14/2022		91.8	0.715	<0.0500	- -	- -	8.21	1,220
	04/14/2022	FD	90.5	0.713	<0.0500	- -	- -	8.57	1,210
	10/13/2022		86.9	0.786	- -	0.0606 JB	0.0525 JB	7.78	1,220
	10/13/2022	FD	88.0	0.791	- -	0.0602 JB	0.0498 JB	8.10	1,160
	03/23/2023		82.6	0.690	- -	0.0687 JB	<0.0420	6.12	1,170
	03/23/2023	FD	83.0	0.708	- -	<0.0480	<0.0420	6.03	1,160
	10/05/2023		93.0	0.681	- -	0.127	<0.0420	6.45	1,180
	10/05/2023	FD	93.0	0.671	- -	0.125	<0.0420	6.44	1,210
	04/04/2024		120	0.421 B	- -	<0.0480 [R]	<0.0420 [R]	2.92 J	1,100
	04/04/2024	FD	119	0.703	- -	<0.0480 [R]	<0.0420 [R]	5.74	- -
	10/03/2024		102	0.593	- -	<0.0884	<0.0794	1.10 J	1,230
	04/03/2025		78.9	0.562	- -	<0.0884	<0.0794	1.45 J	1,200
	04/03/2025	FD	80.0	0.569	- -	<0.0884	<0.0794	1.54 J	1,170
	10/09/2025		81.4	0.578	- -	<0.0884	<0.0794	0.929 J	1,170

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
North Well	06/18/2009		140	0.933	2.72	- -	- -	80.6	664
	01/14/2010		143	0.793	2.90	- -	- -	74.2	638
	08/24/2010		127	0.932	1.81	- -	- -	80.4	594
	03/03/2011		137	0.932	2.76	- -	- -	75.2	804
	07/20/2011		124	0.803	2.07	- -	- -	76.5	628
	02/02/2012		149	0.977	2.54	- -	- -	82.1	656
	07/30/2012		121	0.986	2.63	- -	- -	72.7	528
	02/19/2013		105	1.02	2.54	- -	- -	83.3	496
	08/22/2014		57.3	0.462	2.73	- -	- -	37.6	532
	12/17/2014		110	0.91	- -	3.0	<0.10	69	- -
	03/09/2015		11	0.098 J	2.7	- -	- -	7.3	520
	05/19/2015		110	0.88	3.2	- -	- -	73	550
	08/28/2015		193	1.55	4.34	- -	- -	127	593
	12/17/2015		121	0.982	3.46	- -	- -	76.7	588
	03/10/2016		136	0.939	3.34	- -	- -	74.1	575
	05/25/2016		128	0.941	3.03	- -	- -	75.1	634
	08/18/2016		129	0.872	5.76	- -	- -	70.9	626
	12/08/2016		156	0.942	3.23	- -	- -	74.3	676
	02/07/2017		148	0.893	3.55	- -	- -	82.9	613
	05/31/2017		150	0.836	3.27	- -	- -	75.9	597
	08/17/2017		135	0.740	3.19	- -	- -	76.5	662
	12/14/2017		133	0.816	3.13	- -	- -	77.3	616
	02/23/2018		133	0.948	3.46	- -	- -	76.5	603
	04/05/2018		131	0.878	3.09	- -	- -	75.6	584
	07/31/2018		121	0.881	3.03	- -	- -	74.7	584
	10/01/2018		121	0.797	3.11	- -	- -	79.9	573
	01/23/2019		120	0.775	2.86	- -	- -	75.6	550
	04/04/2019		120	0.776	3.17	- -	- -	74.9	590
	07/11/2019		121	0.931	3.29	- -	- -	77.5	571
	10/24/2019		122	0.930	2.57	- -	- -	76.8	484
	01/15/2020		117	0.860	2.94	- -	- -	77.5	549
	06/18/2020		118	0.953	2.92	- -	- -	78.6	548
	08/19/2020		111	0.837	2.82	- -	- -	78.3	568
	10/08/2020		116	0.824	2.74	- -	- -	83.4	519
	01/28/2021		120	0.798	2.86	- -	- -	80.1	520
	04/15/2021		113	0.796	3.20	- -	- -	78.1	530
	07/15/2021		114	0.802	3.15	- -	- -	77.8	541
	09/16/2021		128	0.771	2.90	- -	- -	78.0	580
	01/20/2022		124	0.938	2.97	- -	- -	78.1	544
	04/14/2022		128	0.836	2.93	- -	- -	79.8	586
	07/14/2022		122	0.845	- -	2.82	0.0786 J	79.1	528
	10/13/2022		128	0.868	- -	2.87	0.0930 JB	76.3	573
	01/26/2023		98.3	0.939	- -	1.66	<0.0420	74.2	449
	03/23/2023		116	0.830	- -	2.76	<0.0420	76.4	549
	07/27/2023		111	0.923	- -	2.51	<0.0420	70.3	533
	10/05/2023		115	0.791	- -	2.74	<0.0420	75.2	527
	01/25/2024		114	0.877	- -	3.60	<0.0420	76.9	540
	04/04/2024		114	<0.0640	- -	2.99	<0.0420 [R]	<0.594	517
	07/18/2024		119	0.797	- -	2.65	<0.0420	77.9	530
	10/03/2024		115	0.880	- -	2.85	<0.0794	78.2	550
	01/15/2025		116	0.883	- -	2.56	<0.0794	79.3	504
	04/03/2025		--[3]	--[3]	- -	--[3]	--[3]	--[3]	--[3]
	07/31/2025		--[3]	--[3]	- -	--[3]	--[3]	--[3]	--[3]
	10/09/2025		--[3]	--[3]	- -	--[3]	--[3]	--[3]	--[3]

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
South Well	06/22/2009		497	0.665	3.02	- -	- -	106	1,450
	01/14/2010		498	0.686	3.27	- -	- -	113	1,520
	08/24/2010		477	0.651	2.18	- -	- -	101	1,760
	03/03/2011		549	0.647	3.24	- -	- -	122	1,840
	07/20/2011		420	0.687	2.48	- -	- -	103	1,600
	02/02/2012		368	0.756	3.02	- -	- -	89.0	1,210
	07/30/2012		135	1.01	2.53	- -	- -	73.3	582
	02/19/2013		359	0.743	2.88	- -	- -	99.2	1,170
	02/28/2014		352	0.575	0.660	- -	- -	99.2	1,210
	08/22/2014		435	0.720	3.00	- -	- -	100	1,480
	08/22/2014	FD	437	0.724	3.00	- -	- -	107	1,480
	12/17/2014		390	0.63	- -	3.2	<0.10	91	- -
	12/17/2014	FD	390	0.63	- -	3.2	<0.10	90	- -
	03/09/2015		340	0.82	2.7	- -	- -	99	1,100
	03/09/2015	FD	340	0.82	650	- -	- -	98	1,100
	05/19/2015		330	0.76	3.2	- -	- -	92	1,100
	05/19/2015	FD	340	0.76	3.1	- -	- -	95	1,000
	08/28/2015		426	0.810	3.48	- -	- -	107	1,440
	08/28/2015	FD	382	0.734	3.50	- -	- -	95.9	1,320
	12/17/2015		400	0.751	3.35	- -	- -	115	1,400
	12/17/2015	FD	402	0.752	3.47	- -	- -	114	1,360
	03/10/2016		354	0.76	3.53	- -	- -	103	1,100
	05/25/2016		361	0.743	3.11	- -	- -	101	1,620
	05/25/2016	FD	377	0.741	3.11	- -	- -	102	1,440
	08/18/2016		381	0.692	3.18	- -	- -	98.2	1,420
	08/18/2016	FD	385	0.695	3.18	- -	- -	97.6	1,390
	12/08/2016		419	0.772	3.27	- -	- -	105	1,300
	12/08/2016	FD	425	0.777	3.27	- -	- -	106	1,310
	02/07/2017		379	0.712	3.41	- -	- -	115	1,110
	02/07/2017	FD	375	0.723	3.77	- -	- -	114	1,170
	05/31/2017		433	0.636	3.20	- -	- -	101	1,350
	05/31/2017	FD	426	0.619	3.16	- -	- -	101	1,330
	08/17/2017		406	0.579	2.96	- -	- -	97.7	1,260
	08/17/2017	FD	400	0.577	2.94	- -	- -	92.4	1,460
	12/14/2017		383	0.625	2.97	- -	- -	92.4	1,290
	12/14/2017	FD	405	0.625	3.03	- -	- -	94.4	1,410
	02/23/2018		429	0.746	3.28	- -	- -	103	1,410
	02/23/2018	FD	432	0.735	3.27	- -	- -	104	1,270
	04/05/2018		406	0.676	2.98	- -	- -	99.9	1,300
	07/31/2018		409	0.752	3.14	- -	- -	103	1,420
	07/31/2018	FD	396	0.685	3.20	- -	- -	97.5	1,230
	10/01/2018		368	0.625	3.00	- -	- -	97.0	1,360
	01/23/2019		396	0.601	2.67	- -	- -	90.1	1,100
	01/23/2019	FD	382	0.606	2.64	- -	- -	88.3	1,100
	04/04/2019		344	0.619	3.18	- -	- -	97.3	1,280
	07/11/2019		360	0.741	3.48	- -	- -	97.3	1,190
	10/24/2019		335	0.798	2.80	- -	- -	86.8	992
	01/15/2020		328	0.692	3.12	- -	- -	94.7	1,010
	06/18/2020		330	0.784	3.10	- -	- -	95.7	1,090
	08/19/2020		333	0.690	2.99	- -	- -	96.1	1,040
	08/19/2020	FD	341	0.684	2.99	- -	- -	95.8	1,070
	10/08/2020		309	0.711	2.93	- -	- -	92.5	1,010
	10/08/2020	FD	312	0.637	2.97	- -	- -	96.5	1,010
	01/28/2021		334	0.646	3.06	- -	- -	96.2	986
	01/28/2021	FD	349	0.650	3.05	- -	- -	96.7	1,040
	04/15/2021		302	0.659	3.36	- -	- -	91.6	948
	04/15/2021	FD	304	0.658	3.36	- -	- -	91.7	960
	07/15/2021		267	0.700	3.11	- -	- -	99.1	1,010
	07/15/2021	FD	266	0.677	3.04	- -	- -	95.3	1,020
	09/16/2021		315	0.637	3.32	- -	- -	94.8	1,050
	09/16/2021	FD	301	0.628	3.35	- -	- -	90.9	990
	01/20/2022		264	0.744	3.16	- -	- -	85.8	867
	01/20/2022	FD	277	0.724	2.63	- -	- -	86.3	860
	04/14/2022		318	0.695	3.05	- -	- -	91.2	960
	04/14/2022	FD	317	0.693	2.91	- -	- -	91.2	924
	07/14/2022		287	0.709	- -	3.01	0.167	90.6	964
	07/14/2022	FD	301	0.698	- -	2.94	0.178	87.6	924
	10/13/2022		291	0.682	- -	2.96	0.0443 JB	89.4	974
	10/13/2022	FD	287	0.680	- -	2.96	0.0610 JB	89.7	926
	01/26/2023		324	0.845	- -	3.11	<0.0420	87.2	990
	01/26/2023	FD	319	0.829	- -	3.09	<0.0420	87.3	1,000
	03/23/2023		344	0.687	- -	2.83	<0.0420	83.6	1,190
	03/23/2023	FD	293	0.649	- -	2.87	<0.0420	83.7	1,150

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Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
South Well	07/27/2023		244	0.702	- -	2.84	<0.0420	79.6	878
	07/27/2023	FD	256	0.849	- -	2.85	<0.0420	79.6	988
	10/05/2023		292	0.696	- -	3.12	<0.0420	80.1	1,040
	10/05/2023	FD	296	0.666	- -	2.97	<0.0420	85.1	1,000
	01/25/2024		232	0.696	- -	3.72	<0.0420	83.1	812
	01/25/2024	FD	233	0.748	- -	3.71	<0.0420	83.0	808
	04/04/2024		348	0.758	- -	3.35	<0.0420 [R]	97.1	926
	04/04/2024	FD	342	0.494	- -	3.30	<0.0420 [R]	97.9	990
	07/18/2024		245	0.705	- -	2.87	<0.0420	87.0	823
	07/18/2024	FD	240	0.710	- -	2.84	<0.0420	86.4	974
	10/03/2024		328	0.746	- -	3.02	<0.0794	88.5	1,120
	10/03/2024	FD	329	0.830	- -	3.04	<0.0794	88.8	1,110
	01/15/2025		283	0.785	- -	3.02	<0.0794	90.2	862
	01/15/2025	FD	284	0.780	- -	3.00	<0.0794	89.5	856
	04/03/2025		277	0.773	- -	3.06	<0.0794	84.3	946
	04/03/2025	FD	269	0.736	- -	2.96	<0.0794	81.5	960
	07/31/2025		270	0.690	- -	2.98	<0.0794	87.1	932
	07/31/2025	FD	260	0.686	- -	2.97	<0.0794	86.7	924
	10/09/2025		254	0.787	- -	3.01	<0.0794	88.3	890
	10/09/2025	FD	254	0.764	- -	2.91	<0.0794	82.0	922
East Well	06/18/2009		107	0.980	2.59	- -	- -	84.0	554
	01/14/2010		138	0.991	2.70	- -	- -	72.7	676
	08/25/2010		106	1.00	0.523	- -	- -	74.5	522
	03/03/2011		135	0.905	2.68	- -	- -	75.6	644
	07/20/2011		124	0.810	1.83	- -	- -	73.8	596
	02/02/2012		150	0.967	2.56	- -	- -	81.4	664
	07/30/2012		144	0.962	2.40	- -	- -	80.9	636
	08/27/2012		- -	- -	- -	- -	- -	- -	- -
	09/26/2012		- -	- -	- -	- -	- -	- -	- -
	10/22/2012		- -	- -	- -	- -	- -	- -	- -
	12/27/2012		- -	- -	- -	- -	- -	- -	- -
	02/28/2014		138	0.899	0.564	- -	- -	80.6	658
	08/22/2014		124	0.914	2.71	- -	- -	78.5	614
	12/17/2014		120	0.90	- -	2.7	<0.10	73	- -
	03/09/2015		120	1.1	2.6	- -	- -	81	570
	05/19/2015		120	0.90	2.8	- -	- -	78	560
	08/28/2015		206	1.75	3.00	- -	- -	145	603
	12/17/2015		114	1.03	3.01	- -	- -	80.9	621
	03/10/2016		112	1.01	3.01	- -	- -	78.9	562
	05/25/2016		114	1.01	2.70	- -	- -	80.0	608
	08/18/2016		104	0.915	3.12	- -	- -	74.4	555
	12/08/2016		104	1.02	2.88	- -	- -	79.9	582
	02/07/2017		112	0.975	3.26	- -	- -	88.7	498
	05/31/2017		110	0.926	2.91	- -	- -	81.5	532
	08/17/2017		109	0.812	3.02	- -	- -	83.0	547
	12/14/2017		108	0.883	2.88	- -	- -	83.3	560
	02/23/2018		110	1.04	3.06	- -	- -	82.7	564
	04/05/2018		110	0.968	2.81	- -	- -	81.3	543
	07/31/2018		110	1.03	2.93	- -	- -	84.8	578
	10/01/2018		109	0.871	2.92	- -	- -	88.2	583
	01/23/2019		103	0.861	2.66	- -	- -	80.8	525
	04/04/2019		110	0.877	2.93	- -	- -	81.8	560
	07/11/2019		112	1.02	3.09	- -	- -	84.7	557
	10/24/2019		111	1.04	2.71	- -	- -	79.2	547
	01/15/2020		114	0.967	2.84	- -	- -	83.5	549
	06/18/2020		124	1.04	2.84	- -	- -	85.3	568
	08/19/2020		119	0.928	2.79	- -	- -	86.1	592
	10/08/2020		123	0.864	2.75	- -	- -	91.1	570
	01/28/2021		130	0.866	2.82	- -	- -	89.0	565
	04/15/2021		115	0.869	3.12	- -	- -	86.2	551
	07/15/2021		112	0.906	3.08	- -	- -	86.7	563
	09/16/2021		116	0.880	2.90	- -	- -	86.9	558
	11/10/2021		- -	- -	- -	- -	- -	- -	- -
	11/10/2021	FD	- -	- -	- -	- -	- -	- -	- -
	01/20/2022		114	0.977	2.93	- -	- -	82.5	515
	04/14/2022		112	0.949	2.87	- -	- -	85.4	540
	07/14/2022		106	0.943	- -	2.74	0.0722 J	82.2	493
	10/13/2022		107	1.04	- -	2.89	0.0803 JB	84.9	477
	01/26/2023		102	1.09	- -	2.95	<0.0420	81.8	502
	03/23/2023		98.0	0.956	- -	2.66	<0.0420	79.3	511
	07/27/2023		93.3	1.05	- -	2.45	<0.0420	75.7	503
	10/05/2023		96.4	0.898	- -	2.66	<0.0420	80.3	500
	01/25/2024		96.0	0.868	- -	3.47	<0.0420	80.4	499

Table 3. Anions and TDS Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-Nitrite (as N, mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)
New Mexico WQCC Groundwater Standards			250	1.6	10.0	10.0	1.0	600.0	1,000
East Well	04/04/2024		78.6	0.588	- -	2.76	<0.0420 [R]	86.6	426
	07/18/2024		94.8	0.801	- -	2.51	<0.0420	83.2	475
	10/03/2024		90.2	1.07	- -	2.74	<0.0794	83.4	491
	01/15/2025		88.9	1.01	- -	2.79	<0.0794	86.5	487
	04/03/2025		87.4	0.952	- -	2.74	<0.0794	79.7	497
	07/31/2025		94.3	0.898	- -	2.68	<0.0794	84.9	486
	10/09/2025		88.7	0.960	- -	2.68	<0.0794	79.6	499

Notes:

Shading indicates detected result exceeded the New Mexico Water Quality Control Commission (WQCC) Groundwater Standard

N/A = Not Applicable, no New Mexico WQCC Groundwater Standard established for constituent

mg/L = milligrams per liter

FD = Field Duplicate

< = Not reported above laboratory reporting limit

-- = Not Analyzed

(1) = Not analyzed due to insufficient water volume

(2) = Not analyzed due to refinery operations (inaccessible)

(3) = Well is inoperable (turned off)

J = analyte was detected below the laboratory reporting limit (June 2009 to December 2014) or the method quantitation limit (February 2015 to April 2021), or reported dete

B = same analyte was detected in the associated laboratory blank or equipment blank; sample concentration is within 5 times the blank concentration

[R] analyte not usable for project objectives according to the United States Environmental Protection Agency (USEPA) *National Functional Guidelines for Inorganic Super* (USEPA, November 2020)

June 2009 to August 2014 analyses completed by ALS Laboratory Group, Houston, Texas

December 2014 analyses completed by Hall Environmental Analysis Laboratory in Albuquerque, New Mexico

February 2015 to present analyses completed by Pace Analytical National Center for Testing & Innovation (formerly ESC Lab Sciences) in Mount Juliet, Tennessee

Analytical data from 2009 to 2011 were provided by a previous consultant and could not be confirmed against the original data packages

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-1	06/19/2009		<0.0100	0.00914	0.147	0.175	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.974	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.0124
	01/19/2010		0.0202	0.00634	0.164	0.236	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	2.72	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00615	0.00989
	08/18/2010		<0.0100	0.00841	0.117	0.182	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	1.62	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00538
	03/01/2011		<0.0100	0.00821	0.0984	0.189	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	1.62	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00689
	07/20/2011		<0.0100	0.00808	0.0903	0.168	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.485	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00832
	02/02/2012		<0.0100	0.00782	0.0843	0.164	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.780	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00766
	07/27/2012		0.0249	0.00870	0.0917	0.193	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	1.05	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00759
	02/27/2013		<0.0100	0.00857	0.0974	0.184	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.662	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0107
	08/21/2013		0.0158	0.00589	0.102	0.187	<0.00200	0.0160	<0.00500	<0.00500	<0.200	<0.00500	1.32	<0.000200	<0.00500	0.0164	<0.00500	<0.00500	<0.00500	0.00641
	02/27/2014		<0.0100	0.00775	0.111	0.169	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.690	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00874
	08/21/2014		0.0135	0.0102	0.138	0.109	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0172	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0242
	02/25/2015		<0.035	0.012	0.13	0.18 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	0.00048 J	<0.0012	<0.000049	0.0025 J	<0.0049	<0.0074	<0.0028	0.0022 J	0.0067 J
	08/27/2015		<0.0350	0.0120	0.122	0.170	<0.000160	<0.000540	<0.000260	<0.000520	<0.0141	<0.000240	0.00191 J	<0.0000490	0.00236 J	<0.000350	0.00268	<0.000310	0.00187 J	<0.00256
	03/09/2016		0.00841 JB	0.00292	0.121	0.155	<0.000160	0.0276	<0.000260	0.00141 JB	<0.0150	<0.000240	0.00102 JB	<0.0000490	0.00170 JB	0.000910 JB	0.00150 J	<0.000310	0.00246 J	0.00436 JB
	08/17/2016		0.00284 JB	0.0117	0.138	0.189	<0.000160	0.00112 JB	<0.000260	0.000802 JB	0.0529 JB	<0.000240	0.00295 JB	<0.0000490	0.00260 J	<0.000350	0.00278	<0.000310	0.00261 J	0.00377 J
	02/07/2017		<0.0258	0.00618 J	0.163	0.190	<0.000800	<0.00270	<0.00130	<0.00260	<0.0750	<0.00120	0.0124 J	<0.0000490	0.00549 J	0.0137	0.00237	<0.00155	0.00276 J	0.0160 J
	08/17/2017		0.0110 JB	0.00809	0.146	0.157	<0.000160	<0.000540	<0.000260	<0.000520	<0.0150	<0.000240	0.00371 J	0.000258	0.00229 J	0.0237	0.00228	<0.000310	0.00230 J	0.00494 J
	04/05/2018		<0.00515	0.00762	0.152	0.176 J	<0.000160	<0.000540	<0.000260	0.000883 JB	<0.0150	<0.000240	0.00128 JB	<0.0000490	0.00252 JB	<0.000350	0.00250 B	<0.000310	0.00179 JB	0.0110 J
	10/01/2018		0.0143 JB	0.00687	0.141	0.143 J	<0.000160	<0.000540	<0.000260	<0.000520	<0.0150	<0.000240	0.000642 JB	<0.0000490	0.00242 J	<0.000350	0.00255	<0.000310	0.00163 J	0.00331 JB
	04/04/2019		<0.00515	0.00585	0.155	0.160 J	<0.000160	<0.000540	<0.000260	0.000902 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00282 J	<0.000350	0.00246	<0.000310	0.00159 J	0.00554 J
	10/24/2019		<0.00515	0.00605	0.137	0.152 J	<0.000160	<0.000540	<0.000260	<0.000520	<0.0150	<0.000240	<0.000250	0.0000684 JB	0.00331 J	<0.000350	0.00291	<0.000310	0.00163 J	0.00451 J
	06/18/2020		<0.0554	0.00564	0.152	0.168 J	<0.000478	<0.00149	<0.000477	0.00362 J	<0.0489	<0.00249	<0.00132	<0.000100	0.00285 J	<0.000952	0.00255	<0.000513	<0.00754	<0.00996
	06/18/2020	FD	<0.0554	0.00543	0.153	0.156 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00262 J	<0.000952	0.00204	<0.000513	<0.00754	<0.00996
	10/08/2020		<0.0554	0.00570	0.165	0.161 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.00241 J	<0.000100	0.00322 J	0.00120 J	0.00232	<0.000513	<0.00754	<0.00996
	04/15/2021		<0.0185	0.00542	0.151	0.166 J	<0.000150	0.00157 J	<0.0000596	0.00216 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00318 J	<0.000816	0.00213	<0.0000700	0.00173 J	0.00613 JB
	09/16/2021		<0.0185	0.00520	0.151	0.168 J	<0.000150	<0.00124	0.0000677 J	<0.00151	<0.0281	<0.000849	0.00101 J	<0.000100	0.00272 J	<0.000816	0.00210	<0.0000700	0.00175 J	0.00603 J
	04/14/2022		<0.0185	0.00543	0.145	0.166 J	<0.000150	<0.00124	0.0000640 J	0.00187 J	<0.0281	<0.000849	0.00117 J	<0.000100	0.00312 J	<0.000816	0.00220	<0.0000700	0.00167 J	0.0122 J
	10/13/2022		0.0273 JB	0.00629	0.141	0.181 J	<0.000150	<0.00124	<0.0000596	<0.00151	<0.0281	<0.000849	0.000902 J	<0.000100	0.00245 J	<0.000816	0.00180 J	<0.0000700	0.00173 J	0.0135 J
	03/23/2023		<0.0185	0.00615	0.163	0.167 J	<0.000150	<0.00124	<0.0000596	0.00436 J	<0.0281	<0.000849	0.00258 J	<0.000100	0.00230 J	<0.000816	0.00188 J	<0.0000700	0.00196 J	0.00442 J
	10/05/2023		<0.0185	0.00567	0.175	0.179 J	<0.000150	0.00134 J	<0.0000596	0.00189 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00205 J	<0.000816	0.00186 J	<0.0000700	0.00206 J	<0.00302
	04/04/2024		<0.0185	0.00620	0.184	0.178 J	<0.000150	<0.00124	<0.0000596	<0.00151	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00216 J	<0.000816	0.00186 J	<0.0000700	0.00211 J	0.00485 J
	04/03/2025		<0.0160	0.00808	0.185	0.180 J	<0.000120	<0.000900	0.000107 J	0.00179 JB	<0.0226	<0.000500	<0.000700	<0.0000700	0.00181 J	<0.000500	0.00180 J	<0.000110	0.00239	<0.00400

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Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater
HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-2	06/22/2009		0.0657	0.0386	0.0803	0.190	<0.00200	<0.00500	<0.00500	0.00621	<0.200	<0.00500	0.00583	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.110
	01/19/2010		<0.0100	<0.00500	0.00500	0.191	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00538	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0166
	08/16/2010		0.1367	<0.00500	0.193	0.155	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0204
	03/03/2011		<0.0100	<0.00500	0.176	0.171	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0117
	07/14/2011		<0.0100	<0.00500	0.160	0.192	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0230
	01/30/2012		<0.0100	<0.00500	0.130	0.164	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0255
	07/24/2012		<0.0100	<0.00500	0.140	0.233	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0191
	02/19/2013		0.0102	<0.00500	0.141	0.197	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0436
	08/20/2013		0.0346	<0.00500	0.118	0.216	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00721
	02/25/2014		0.0133	<0.00500	0.125	0.203	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0130
	08/21/2014		0.0143	<0.00500	0.112	0.147	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0214
	02/24/2015		<0.035	0.0037	0.090	0.21	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0034 J	<0.0049	<0.0074	<0.0028	0.0026 J	<0.0059
	08/28/2015		<0.0350	0.00355	0.111	0.213	<0.000160	0.000625 J	<0.000260	0.000548 J	<0.0141	<0.000240	0.000533 J	<0.0000490	0.00254 J	0.00115 J	0.00147 J	<0.000310	0.00340 J	0.00382 J
	03/07/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/18/2016		0.00451 JB	0.00304	0.105	0.235	<0.000160	0.000981 JB	<0.000260	0.000952 JB	<0.0150	<0.000240	0.000769 JB	0.0000534 JB	0.00282 J	0.00129 JB	0.00166 J	<0.000310	0.00297 J	0.00316 JB
	02/07/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		0.0175 JB	0.00351	0.100	0.180	<0.000160	0.00333	<0.000260	0.00159 J	<0.0150	<0.000240	0.000347 J	0.0000703 J	0.00288 J	0.00713	0.00161 J	<0.000310	0.00268 J	0.0179 J
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		0.0168 JB	0.00357	0.100	0.183 J	<0.000160	0.00201 B	<0.000260	0.00136 JB	<0.0150	<0.000240	0.000750 JB	<0.0000490	0.00278 J	0.00641	0.00116 J	<0.000310	0.00317 J	0.0316 B
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.00515	0.00361	0.108	0.189 J	<0.000160	0.000871 JB	<0.000260	0.00277 JB	<0.0150	0.000263 J	<0.000250	0.0000719 JB	0.00268 J	0.00412	0.00172 JB	<0.000310	0.00346 J	0.0420
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0554	0.00362	0.0734	0.196 J	<0.000478	<0.00149	<0.000477	0.00407 J	<0.0489	<0.00249	<0.00132	<0.000100	0.00288 J	0.00433	0.00173 J	<0.000513	<0.00754	0.0439
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		<0.0185	0.00410	0.0717	0.190 J	<0.000150	0.00131 J	0.0000770 J	0.00496 JB	<0.0281	<0.000849	<0.000704	<0.000100	0.00342 J	0.000979 J	0.00166 J	<0.0000700	0.00298 J	0.0391
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		<0.0185	0.00423	0.0894	0.203	<0.000150	0.00177 J	0.0000687 J	0.00522	<0.0281	<0.000849	<0.000704	<0.000100	0.00323 J	0.00173 J	0.00162 J	<0.0000700	0.00271 J	0.0464
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		<0.0185	0.00357	0.109	0.211	<0.000150	0.00135 J	<0.0000596	0.00774	<0.0281	<0.000849	<0.000704	<0.000100	0.00243 J	0.00112 J	0.00224	<0.0000700	0.00262 J	0.0371
	04/04/2024		<0.0185	0.00358	0.107	0.201	<0.000150	<0.00124	<0.0000596	0.00735	<0.0281	<0.000849	0.000734 J	<0.000100 [R]	0.00251 J	0.000838 J	0.00155 J	<0.0000700	0.00236 J	0.0604
	04/03/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]

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Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-3	06/16/2009		0.308	0.00815	0.115	0.160	<0.00200	0.00709	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	0.0151	<0.00500	<0.00500	<0.00500	- -	<0.0100
	01/14/2010		0.144	0.00703	0.119	0.148	<0.00200	0.00977	<0.00500	0.121	<0.200	<0.00500	0.00597	<0.000200	0.0200	0.00842	<0.00500	<0.00500	0.000625	0.0195
	01/14/2010	FD	0.142	0.00798	0.125	0.167	<0.00200	0.0105	<0.00500	0.148	<0.200	<0.00500	0.00699	<0.000200	0.0216	0.00960	<0.00500	<0.00500	0.000721	0.0230
	08/19/2010		0.0767	0.00935	0.127	0.151	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	0.00790	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/24/2011		<0.0100	0.00892	0.124	0.178	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0524
	07/15/2011		<0.0100	0.0125	0.113	0.202	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	0.00510	<0.00500	<0.00500	<0.00500	<0.00500	0.0156
	01/30/2012		<0.0100	0.0117	0.0831	0.168	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	0.00621	<0.00500	<0.00500	<0.00500	<0.00500	0.00886
	07/25/2012		<0.0100	0.0152	0.0773	0.209	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00673
	02/27/2013		<0.0100	0.0156	0.101	0.186	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	0.00546	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	08/22/2013		0.0185	0.0169	0.0782	0.178	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/26/2014		<0.0100	0.0179	0.0655	0.164	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00560	<0.00500	<0.00500	<0.00500	0.00527
	08/21/2014		0.0128	0.0183	0.0545	0.104	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/26/2015		<0.035	0.019	0.061	0.16 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.00094 J	<0.0049	<0.0074	<0.0028	0.00057 J	<0.0059
	02/26/2015	FD	<0.035	0.020	0.062	0.16 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0011 J	<0.0049	0.0085 J	<0.0028	0.00056 J	0.0088 J
	08/26/2015		<0.0350	0.0195	0.0529	0.166 J	<0.000160	0.000912 J	<0.000260	0.00101 J	<0.0141	<0.000240	0.000572 J	<0.0000490	<0.00160	0.000483 J	0.00269	<0.000310	0.000567 J	0.00296 J
	03/08/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/18/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	02/07/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/04/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-4	06/16/2009		0.180	<0.00500	0.174	0.160	<0.00200	0.00534	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.0120
	01/13/2010		0.0345	<0.00500	0.0932	0.177	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00102	<0.00500
	08/19/2010		0.0607	<0.00500	0.0862	0.136	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/28/2011		0.0131	<0.00500	0.0951	0.163	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00533
	07/15/2011		0.144	<0.00500	0.141	0.172	<0.00200	0.00619	<0.00500	<0.00500	<0.200	<0.00500	0.0114	<0.000200	<0.00500	0.0103	<0.00500	<0.00500	<0.00500	0.0211
	01/30/2012		0.0119	<0.00500	0.0796	0.150	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0147
	07/24/2012		<0.0100	<0.00500	0.0883	0.199	<0.00200	<0.00500	<0.00500	<0.00500	<0.20	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.0050	0.0102
	02/21/2013		<0.0100	0.00525	0.0841	0.157	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0116
	08/20/2013		<0.0100	0.00500	0.0902	0.156	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00506
	02/25/2014		<0.0100	<0.00500	0.0897	0.148	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00801
	08/20/2014		0.603	0.00501	0.213	0.111	<0.00200	<0.00500	<0.00500	<0.00500	0.241	<0.00500	0.00595	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0221
	02/24/2015		<0.035	0.0046	0.090	0.15 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	0.00025 J	<0.0012	0.00011 J	0.0034 J	<0.0049	<0.0074	<0.0028	0.0016 J	<0.0059
	08/28/2015		<0.0350	0.00526	0.0930	0.157	<0.000160	<0.000540	<0.000260	<0.000520	<0.0141	<0.000240	0.00114 J	<0.0000490	0.00319 J	0.000482 J	0.00228	<0.000310	0.00168 J	0.00269 J
	08/15/2016		0.00568 JB	0.00564	0.0894	0.155	<0.000160	0.00117 JB	<0.000260	0.000614 JB	0.0640 JB	<0.000240	0.000588 JB	<0.0000490	0.00358 J	0.000488 JB	0.00272	<0.000310	0.00170 J	0.00298 J
	08/17/2017		0.0196 JB	0.00480	0.0871	0.139	<0.000160	0.000569 J	<0.000260	0.000818 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00313 J	0.00317 B	0.00220	<0.000310	0.00141 J	0.00637 J
	10/01/2018		0.0149 JB	0.00482	0.0965	0.135 J	<0.000160	<0.000540	<0.000260	<0.000520	<0.0150	<0.000240	0.000539 J	<0.0000490	0.00271 J	0.00139 J	0.00231	<0.000310	0.00139 J	0.00473 J
	10/24/2019		<0.00515	0.00478	0.107	0.145 J	<0.000160	0.00301	<0.000260	0.00323 JB	<0.0150	0.000333 J	<0.000250	0.0000637 JB	0.00302 J	0.00172 J	0.00272	<0.000310	0.00167 J	0.00736 J
	10/08/2020		<0.0554	0.00456	0.111	0.155 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100 [R]	0.00296 J	0.00226	0.00201	<0.000513	<0.00754	0.0309
	09/16/2021		0.163	0.00427	0.118	0.170 J	<0.000150	0.00167 J	<0.0000596	0.00195 JB	<0.0281	<0.000849	<0.000704	<0.000100	0.00255 J	<0.000816	0.00171 J	<0.0000700	0.00177 J	0.0334
	10/13/2022		<0.0185	0.00456	0.110	0.173 J	<0.000150	0.00523	<0.0000596	0.00191 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00283 J	0.00111 J	0.00198 J	<0.0000700	0.00173 J	0.0352
	10/05/2023		<0.0185	0.00438	0.111	0.177 J	<0.000150	0.0100	<0.0000596	0.00181 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00265 J	0.00202	0.00132 J	<0.0000700	0.00180 J	0.0134 J
	04/04/2024		<0.0185	0.00408	0.117	0.170 J	<0.000150	0.00735	0.000194 J	0.00191 J	<0.0281	<0.000849	0.00180 J	<0.000100 [R]	0.00247 J	0.000913 J	0.00193 J	<0.0000700	0.00198 J	0.00837 J
	04/03/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-5	06/16/2009		0.796	0.0233	0.0639	0.116	<0.00200	<0.00500	<0.00500	<0.00500	0.399	<0.00500	0.00670	<0.000200	0.0103	<0.00500	<0.00500	<0.00500	- -	<0.0100
	01/18/2010		<0.0100	<0.00500	0.0966	0.135	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	08/20/2010		0.0814	<0.00500	0.0967	0.0986	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/28/2011		0.123	<0.00500	0.100	0.0854	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0142	<0.000200	<0.00500	0.0112	<0.00500	<0.00500	<0.00500	0.0368
	07/19/2011		<0.0100	<0.00500	0.0968	0.0871	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0309
	01/31/2012		<0.0100	<0.00500	0.0972	0.0557	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00948
	01/31/2012	FD	<0.0100	<0.00500	0.0947	0.0728	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0119
	07/25/2012		0.0205	<0.00500	0.0931	0.134	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0562
	02/21/2013		0.0487	<0.00500	0.104	0.0997	<0.00200	<0.00500	<0.00500	0.0434	<0.200	<0.00500	0.0158	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00582	0.0289
	08/20/2013		<0.0100	<0.00500	0.105	0.100	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00507	0.0208
	02/25/2014		<0.0100	<0.00500	0.116	0.0893	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0114
	08/19/2014		0.148	<0.00500	0.123	<0.0200	<0.00200	0.00744	<0.00500	<0.00500	<0.200	<0.00500	0.00532	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00535	0.00626
	02/24/2015		0.038 J	0.0029	0.12	0.091 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0045 J	<0.0049	<0.0074	<0.0028	0.0040 J	0.0089 J
	08/24/2015		<0.0350	0.00410	0.121	0.0899 J	<0.000160	0.00111 J	<0.000260	0.00102 J	<0.0141	<0.000240	<0.000250	<0.0000490	0.00476 J	0.000814 J	<0.000380	<0.000310	0.00410 J	0.00539 J
	08/17/2016		0.0155 JB	0.00425	0.119	0.108	<0.000160	0.00217 B	<0.000260	0.00122 JB	0.0974 JB	<0.000240	0.000764 JB	<0.0000490	0.00876	0.000540 JB	0.000502 J	<0.000310	0.00553 J	0.00590 J
	08/16/2017		0.0209 JB	0.00382	0.118	0.0893	<0.000160	0.00128 J	<0.000260	0.00261 J	<0.0150	<0.000240	0.000398 J	<0.0000490	0.00616	0.000700 JB	0.000574 J	<0.000310	0.00432 J	0.00391 J
	10/01/2018		<0.00515	0.00412	0.125	0.0529 J	<0.000160	<0.000540	<0.000260	0.00128 JB	<0.0150	<0.000240	<0.000250	<0.0000490	0.00259 J	0.000937 J	0.000695 J	<0.000310	0.00262 J	<0.00256
	10/24/2019		<0.00515	0.00370	0.110	0.0517 J	<0.000160	<0.000540	<0.000260	0.00242 JB	<0.0150	<0.000240	<0.000250	0.0000584 JB	0.00260 J	0.00131 J	0.000554 JB	<0.000310	0.00152 J	0.00812 J
	10/08/2020		<0.0554	0.00325	0.118	0.0725 J	<0.000478	<0.00149	<0.000477	0.00460 J	<0.0489	<0.00249	<0.00132	0.000103 J	0.00254 J	0.00147 J	<0.000657	<0.000513	<0.00754	0.0166 J
	09/16/2021		<0.0185	0.00120 J	0.118	0.0740 J	<0.000150	<0.00124	0.000325 J	0.00311 JB	<0.0281	<0.000849	0.00886	<0.000100	0.00201 J	0.00154 J	0.000738 J	<0.0000700	0.00234 J	0.559
	10/13/2022		0.0271 J	0.00251	0.111	0.0743 J	<0.000150	<0.00124	<0.0000596	0.00655	0.0627 J	0.00171 J	0.00149 J	<0.000100	0.00179 J	0.00230	0.000426 J	<0.0000700	0.00239 J	0.0448
	10/05/2023		<0.0185	0.00233	0.106	0.0774 J	<0.000150	<0.00124	<0.0000596	0.00759	<0.0281	<0.000849	<0.000704	<0.000100	0.00174 J	0.00179 J	0.000583 J	<0.0000700	0.00199 J	0.0217 J
	04/04/2024		0.0193 J	0.00241	0.109	0.0773 J	<0.000150	<0.00124	<0.0000596	0.00885	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00169 J	<0.000816	0.000528 J	<0.0000700	0.00210 J	0.0236 J
	04/03/2025		<0.0160	0.00229	0.123	0.0659 J	<0.000120	0.00204	<0.000100	0.0129	<0.0226	<0.000500	<0.000700	<0.0000700	0.00153 J	0.00257	0.000684 J	<0.000110	0.00243	0.0791

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-6	06/18/2009		<0.0100	0.0201	0.186	0.175	<0.00200	<0.00500	<0.00500	<0.00500	0.418	<0.00500	2.86	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.00996
	06/18/2009	FD	<0.0100	0.0221	0.200	0.192	<0.00200	<0.00500	<0.00500	<0.00500	0.219	<0.00500	2.76	<0.000200	<0.00500	0.00653	<0.00500	<0.00500	- -	0.0141
	02/02/2010		<0.0200	0.0250	0.499	0.234	<0.00200	<0.00500	<0.00500	<0.00500	2.08	<0.00500	4.51	<0.000200	<0.00500	0.00634	<0.00500	<0.00500	0.0113	<0.00500
	08/19/2010		0.0152	0.0456	0.376	0.244	<0.00200	<0.00500	<0.00500	<0.00500	1.86	<0.00500	6.61	<0.000200	<0.00500	0.00766	<0.00500	<0.00500	0.00785	<0.00500
	03/01/2011		<0.0100	0.0390	0.404	0.271	<0.00200	<0.00500	<0.00500	<0.00500	0.711	<0.00500	5.58	<0.000200	<0.00500	0.00896	<0.00500	<0.00500	0.00659	<0.00500
	07/20/2011		<0.0100	0.0336	0.220	0.223	<0.00200	0.00972	<0.00500	<0.00500	1.57	<0.00500	4.51	<0.000200	<0.00500	0.00576	<0.00500	<0.00500	<0.00500	0.0176
	02/02/2012		<0.0100	<0.00500	0.0827	0.190	<0.00200	<0.00500	<0.00500	<0.00500	0.488	<0.00500	1.25	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00599	0.00858
	07/24/2012		<0.0100	0.0128	0.143	0.265	<0.00200	<0.00500	<0.00500	<0.00500	1.28	<0.00500	2.53	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.0102	0.0194
	02/27/2013		<0.0100	0.0126	0.154	0.214	<0.00200	<0.00500	<0.00500	<0.00500	1.31	<0.00500	1.97	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00789	0.0123
	02/27/2013	FD	<0.0100	0.0124	0.158	0.216	<0.00200	<0.00500	<0.00500	<0.00500	1.33	<0.00500	2.02	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00833	0.0106
	08/21/2013		0.0244	<0.00500	0.129	0.198	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	1.68	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00606	<0.00500
	02/27/2014		<0.0100	0.0458	0.263	0.220	<0.00200	<0.00500	<0.00500	<0.00500	3.42	<0.00500	2.71	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00882	0.00622
	08/21/2014		0.0330	0.0185	0.363	0.167	<0.00200	<0.00500	<0.00500	<0.00500	0.268	<0.00500	3.06	<0.000200	<0.00500	0.00651	<0.00500	<0.00500	0.00744	0.0151
	02/25/2015		0.092 J	0.0061	0.19	0.19 J	<0.00070	<0.0014	<0.0023	<0.0053	0.015 J	0.00072 J	1.0	<0.000049	0.0026 J	<0.0049	<0.0074	<0.0028	0.0066 J	0.020 J
	08/27/2015		<0.0350	0.00539	0.152	0.181	<0.000160	<0.000540	<0.000260	0.000540 J	<0.0141	<0.000240	0.411	<0.0000490	0.00192 J	0.00134 J	0.00242	<0.000310	0.00463 J	0.00347 J
	03/10/2016		0.00858 JB	0.00529	0.149	0.174	<0.000160	<0.000540	<0.000260	0.000554 J	<0.0150	<0.000240	0.138 B	<0.0000490	0.00202 JB	0.000974 JB	0.00298	<0.000310	0.00573 J	0.00327 JB
	08/17/2016		0.00297 JB	0.00654	0.131	0.196	<0.000160	0.000782 JB	<0.000260	0.00132 JB	<0.0150	<0.000240	0.0144	<0.0000490	0.00215 J	0.00121 JB	0.00316	<0.000310	0.00726 J	0.00362 JB
	02/07/2017		<0.0258	0.00762 J	0.168	0.181	<0.000800	<0.00270	<0.00130	<0.00260	<0.0750	<0.00120	0.0323	<0.0000490	0.00260 J	0.00285 J	0.00409	<0.00155	0.00537 J	<0.0128
	08/16/2017		0.0121 JB	0.00653	0.179	0.156	<0.000160	<0.000540	<0.000260	0.00294 J	<0.0150	<0.000240	0.737	<0.0000490	0.00380 J	0.0163	0.00417	<0.000310	0.00406 J	0.0262
	04/05/2018		<0.00515	0.00668	0.161	0.173 J	<0.000160	<0.000540	<0.000260	0.00153 JB	<0.0150	<0.000240	0.0304	<0.0000490	0.00224 JB	0.00197 JB	0.00426	<0.000310	0.00345 J	0.0111 J
	10/01/2018		<0.00515	0.00716	0.148	0.154 J	<0.000160	0.000718 JB	<0.000260	0.000629 JB	<0.0150	<0.000240	0.0763	<0.0000490	0.00198 J	0.00116 J	0.00343	<0.000310	0.00340 J	0.0126 JB
	04/04/2019		<0.00515	0.00793	0.150	0.173 J	<0.000160	0.000797 J	<0.000260	0.00112 J	<0.0150	<0.000240	0.106	<0.0000490	0.00266 J	0.000612 JB	0.00395	<0.000310	0.00358 J	0.0123 J
	10/24/2019		<0.00515	0.00739	0.143	0.156 J	<0.000160	<0.000540	<0.000260	<0.000520	<0.0150	<0.000240	0.00807	0.0000653 JB	0.00276 J	0.000391 J	0.00394	<0.000310	0.00335 J	0.00752 J
	06/18/2020		<0.0554	0.00798	0.147	0.174 J	<0.000478	<0.00149	<0.000477	0.00258 J	<0.0489	<0.00249	0.0294	<0.000100	0.00272 J	0.00194 J	0.00310	<0.000513	<0.00754	0.0360
	06/18/2020	FD	<0.0554	0.00819	0.156	0.168 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.0289	<0.000100	0.00274 J	0.00231	0.00364	<0.000513	<0.00754	0.0336
	10/08/2020		<0.0554	0.00792	0.140	0.163 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.0276	0.000139 J	0.00295 J	0.00221	0.00315	<0.000513	<0.00754	0.0498
	04/15/2021		<0.0185	0.00780	0.151	0.173 J	<0.000150	<0.00124	<0.0000596	0.00261 J	<0.0281	<0.000849	0.00292 JB	<0.000100	0.00260 J	0.00101 J	0.00302	<0.0000700	0.00283 J	0.0402
	09/16/2021		<0.0185	0.00679	0.158	0.170 J	<0.000150	<0.00124	<0.0000596	0.00312 JB	<0.0281	<0.000849	0.00171 J	<0.000100	0.00240 J	0.00875	0.00295	<0.0000700	0.00425 J	0.0732
	04/14/2022		0.0331 JB	0.00682	0.178	0.180 J	<0.000150	<0.00124	0.0000813 J	0.00613	<0.0281	<0.000849	0.00132 J	<0.000100	0.00201 JB	0.00234 B	0.00328	<0.0000700	0.00435 J	0.0601
	10/13/2022		<0.0185	0.00628	0.150	0.178 J	<0.000150	<0.00124	<0.0000596	0.00326 J	<0.0281	<0.000849	0.00273 J	<0.000100	0.00210 J	0.00249	0.00281	<0.0000700	0.00307 J	0.105
	03/23/2023		<0.0185	0.00592	0.188	0.197 J	<0.000150	<0.00124	0.0000750 J	0.00500 J	<0.0281	<0.000849	0.00335 J	<0.000100	0.00171 J	0.00175 J	0.00298	<0.0000700	0.00343 J	0.0755
	10/05/2023		<0.0185	0.00529	0.188	0.188 J	<0.000150	0.00132 J	0.0000667 J	0.00792	<0.0281	<0.000849	0.00340 J	<0.000100	0.00197 J	0.00203	0.00242	<0.0000700	0.00310 J	0.0995
	04/04/2024		<0.0185	0.00631	0.187	0.171 J	<0.000150	<0.00124	0.0000931 J	0.0102	<0.0281	<0.000849	0.00209 J	<0.000100 [R]	0.00163 J	0.00221	0.00323	<0.0000700	0.00394 J	0.102
	10/03/2024		<0.0185	0.00475	0.206	0.223	<0.000150	<0.00124	0.000147 J	0.00844	<0.0281	<0.000849	0.00316 J	<0.0000700	0.00137 J	0.00256	0.00172 J	<0.0000700	0.00541 J	0.0912
	04/03/2025		<0.0160	0.00564	0.171	0.188 J	<0.000120	0.00105 J	0.000187 J	0.00708	<0.0226	<0.000500	0.0314	<0.0000700	0.00231 J	0.00319	0.00291	<0.000110	0.00529	0.0786
	10/09/2025		0.0864 J	0.00773	0.189	0.191 J	<0.000120	0.00156 J	0.000600 J	0.0141	0.374	0.00189 JB	0.175	<0.0000700	0.00165 J	0.00462	0.00312	<0.000110	0.00459	0.0920

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-7	06/19/2009		<0.0100	0.00923	0.169	0.161	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.127	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.0137
	02/02/2010		<0.0200	0.00869	0.199	0.169	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.125	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	08/18/2010		0.0223	0.00532	0.252	0.161	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.343	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	03/01/2011		<0.0100	0.00525	0.237	0.161	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.441	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00593
	07/20/2011		<0.0100	0.00669	0.246	0.164	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.617	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/02/2012		<0.0100	<0.00500	0.229	0.166	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.550	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00746
	07/27/2012		0.0727	<0.00500	0.234	0.196	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.642	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0114
	02/27/2013		<0.0100	<0.00500	0.227	0.178	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.300	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00844
	08/21/2013		<0.0100	<0.00500	0.220	0.178	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.365	<0.000200	<0.00500	<0.00500	0.00600	<0.00500	<0.00500	<0.00500
	02/27/2014		0.0159	<0.00500	0.208	0.168	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.781	<0.000200	<0.00500	<0.00500	0.00540	<0.00500	<0.00500	0.00818
	08/21/2014		<0.0100	<0.00500	0.207	0.110	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.470	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00566
	02/25/2015		<0.035	0.0055	0.24	0.18 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	0.00041 J	0.011	<0.000049	0.0011 J	<0.0049	<0.0074	<0.0028	0.0033 J	0.0083 J
	08/27/2015		<0.0350	0.00650	0.215	0.180	<0.000160	<0.000540	<0.000260	<0.000520	<0.0141	<0.000240	0.0184	<0.0000490	0.00175 J	<0.000350	0.00334	<0.000310	0.00236 J	<0.00256
MW-8	06/18/2009		<0.0100	0.00501	0.181	0.228	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00919	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.0458
	01/18/2010		<0.0100	0.00726	0.157	0.215	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00545
	08/18/2010		0.0377	0.00676	0.204	0.170	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00501	0.00760
	02/25/2011		<0.0100	<0.00500	0.106	0.175	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.281	<0.000200	<0.00500	0.00620	<0.00500	<0.00500	<0.00500	0.0316
	07/19/2011		<0.0100	<0.00500	0.229	0.278	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00928	0.0213
	02/01/2012		<0.0100	<0.00500	0.221	0.210	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00636	<0.000200	<0.00500	0.0119	<0.00500	<0.00500	0.00745	0.0339
	07/27/2012		<0.0100	<0.00500	0.160	0.294	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00523	<0.00500	<0.00500	0.00714	0.00888
	02/26/2013		<0.0100	0.00627	0.170	0.380	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00592	<0.000200	<0.00500	0.00999	<0.00500	<0.00500	0.00690	0.0188
	08/21/2013		<0.0100	<0.00500	0.119	0.266	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0208	<0.000200	<0.00500	0.0135	<0.00500	<0.00500	<0.00500	0.0107
	02/27/2014		0.747	<0.00500	0.233	0.284	<0.00200	0.0417	<0.00500	<0.00500	0.541	<0.00500	0.0240	<0.000200	<0.00500	0.0339	<0.00500	<0.00500	0.00916	0.0102
	08/21/2014		0.314	<0.00500	0.212	0.230	<0.00200	0.0404	<0.00500	<0.00500	0.274	<0.00500	0.0128	<0.000200	<0.00500	0.0258	<0.00500	<0.00500	0.00639	0.0181
	02/26/2015		0.11	0.0055	0.20	0.23	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.00083 J	<0.0049	<0.0074	<0.0028	0.0073 J	0.0059 J
	08/27/2015		<0.0350	0.00537	0.232	0.245	<0.000160	0.000562 J	0.000346 J	0.000544 J	<0.0141	<0.000240	0.00141 J	<0.0000490	0.000854 J	0.00204	0.00224	<0.000310	0.00891 J	0.00316 J
	03/08/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/18/2016		0.0111 JB	0.00686	0.121	0.187	<0.000160	0.000982 JB	<0.000260	0.00175 JB	0.0152 J	0.000247 J	0.00123 JB	0.0000537 JB	0.00137 J	0.00243 B	0.00254	<0.000310	0.00245 J	0.00318 JB
	02/08/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		0.0129 JB	0.00790	0.126	0.151	<0.000160	<0.000540	<0.000260	0.00265 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00207 J	0.00679	0.00278	<0.000310	0.00347 J	0.0133 J
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		0.00771 JB	0.00744	0.182	0.175 J	<0.000160	0.000757 JB	<0.000260	0.00160 JB	<0.0150	0.000279 JB	0.000389 JB	<0.0000490	0.00169 J	0.00867	0.00248	<0.000310	0.00486 J	0.0157 JB
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.00515	0.00700	0.190	0.204	<0.000160	<0.000540	<0.000260	0.00143 JB	<0.0150	<0.000240	<0.000250	0.0000632 JB	0.00108 J	0.00560	0.00214 B	<0.000310	0.00473 J	0.0210 J
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0554	0.00715	0.167	0.228	<0.000478	0.00162 J	<0.000477	0.00397 J	<0.0489	<0.00249	0.00181 J	0.000110 J	0.00132 J	0.00400	0.00264	<0.000513	<0.00754	0.0383
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		<0.0185	0.00722	0.203	0.217	<0.000150	0.00130 J	0.000116 J	0.00588 B	<0.0281	<0.000849	<0.000704	<0.000100	0.00137 J	0.00366	0.00185 J	<0.0000700	0.00680 J	0.0235 J
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		0.0298 J	0.00698	0.298	0.232	<0.000150	0.00344	0.000135 J	0.00298 J	0.0377 J	<0.000849	0.00351 J	<0.000100	0.000965 J	0.0184	0.00126 J	<0.0000700	0.0147 J	0.0348
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		<0.0185	0.00614	0.324	0.696	<0.000150	<0.00124	0.000549 J	0.00299 J	<0.0281	<0.000849	0.0124	<0.000100	0.000931 J	0.00420	<0.000300	<0.0000700	0.00919 J	0.00552 J
	04/04/2024		<0.0185	0.00676	0.381	0.873	<0.000150	<0.00124	0.00446	0.00389 J	<0.0281	<0.000849	0.0110	<0.000100 [R]	0.000956 J	0.0511	0.00276	<0.0000700	0.00807 J	0.00656 J
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0160	0.00730	0.127	0.536	<0.000120	<0.000900	0.00665	0.0203	<0.0226	<0.000500	0.00635	<0.0000700	0.00125 J	0.0294	0.00137 J	<0.000110	0.0105	0.515
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-9	06/16/2009		0.0468	0.0373	0.0911	0.122	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	<0.0100
	01/14/2010		0.0164	0.0351	0.0676	0.139	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.000656	<0.00500
	08/19/2010		0.115	0.0358	0.0649	0.121	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00961	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	03/01/2011		0.0112	0.0382	0.0586	0.131	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00662
	07/15/2011		0.0371	0.0374	0.0647	0.166	<0.00200	0.00741	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00511	<0.00500	<0.00500	<0.00500	0.00932
	01/31/2012		<0.0100	0.0341	0.0653	0.108	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00529
	07/25/2012		0.0306	0.0292	0.0721	0.182	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00708	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00716
	02/27/2013		<0.0100	0.0171	0.0766	0.154	<0.00200	<0.00500	<0.00500	<0.00500	0.702	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0167
	08/22/2013		0.0467	0.0246	0.0736	0.153	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/26/2014		0.0161	0.0224	0.0737	0.152	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00588	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	08/21/2014		2.47	<0.00500	0.174	0.124	<0.00200	0.205	<0.00500	0.00644	2.22	<0.00500	0.0903	<0.000200	0.00662	0.111	<0.00500	<0.00500	<0.00500	0.0334
	02/25/2015		<0.035	0.0087	0.10	0.18 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0014 J	<0.0049	<0.0074	<0.0028	0.0031 J	<0.0059
	08/26/2015		<0.0350	0.00744	0.108	0.163 J	<0.000160	<0.000540	<0.000260	0.000626 J	<0.0141	<0.000240	<0.000250	<0.0000490	<0.00160	0.000566 J	0.00297	<0.000310	0.00285 J	0.00258 J
	08/17/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/04/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
MW-10	06/16/2009		<0.0200	<0.00500	0.113	0.138	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.0127
	01/13/2010		<0.0100	<0.00500	0.0815	0.162	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.000911	0.0133
	08/19/2010		0.0556	<0.00500	0.0798	0.129	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00569
	03/03/2011		<0.0100	<0.00500	0.0772	0.159	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0133
	07/15/2011		0.0318	<0.00500	0.0855	0.177	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	01/31/2012		<0.0100	<0.00500	0.0865	0.109	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0252
	07/25/2012		<0.0100	0.00516	0.0882	0.186	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00861
	02/27/2013		<0.0100	0.00546	0.0972	0.164	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00633
	08/22/2013		<0.0100	<0.00500	0.104	0.168	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00671
	02/26/2014		<0.0100	<0.00500	0.106	0.147	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00979
	08/21/2014		<0.0100	<0.00500	0.134	0.0998	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00939	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0114
	02/26/2015		<0.035	0.0043	0.12	0.17 J	<0.00070	0.0016 J	<0.0023	<0.0053	<0.014	0.00030 J	<0.0012	<0.000049	0.0026 J	<0.0049	<0.0074	<0.0028	0.0019 J	0.0060 J
	08/26/2015		<0.0350	0.00466	0.0982	0.154	<0.000160	0.000709 J	<0.000260	0.000803 J	<0.0141	<0.000240	<0.000250	<0.0000490	0.00258 J	<0.000350	0.00283	<0.000310	0.00158 J	<0.00256
	08/17/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/04/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-11	06/18/2009		<0.0100	<0.00500	0.194	0.199	<0.00200	<0.00500	<0.00500	<0.00500	0.571	<0.00500	0.387	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.0212
	01/18/2010		<0.0100	<0.00500	0.147	0.238	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0559	<0.000200	<0.00500	0.0126	<0.00500	<0.00500	0.00635	<0.00500
	08/18/2010		0.0125	<0.00500	0.471	0.255	<0.00200	<0.00500	<0.00500	<0.00500	0.347	<0.00500	0.571	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00718	<0.00500
	02/25/2011		<0.0100	<0.00500	0.241	0.244	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0101	<0.000200	<0.00500	0.00856	<0.00500	<0.00500	0.00878	0.0982
	07/19/2011		<0.0100	<0.00500	0.150	0.232	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0301	<0.000200	<0.00500	0.00846	<0.00500	<0.00500	0.00616	0.0265
	02/01/2012		<0.0100	0.0176	1.40	0.288	<0.00200	<0.00500	<0.00500	<0.00500	1.77	<0.00500	1.05	<0.000200	<0.00500	0.0169	<0.00500	<0.00500	0.0138	0.0189
	07/27/2012		<0.0100	0.0128	0.827	0.374	<0.00200	<0.00500	<0.00500	<0.00500	2.02	<0.00500	2.54	<0.000200	<0.00500	0.0351	<0.00500	<0.00500	0.0330	<0.00500
	02/27/2013		<0.0100	0.00802	0.561	0.349	<0.00200	<0.00500	0.00604	<0.00500	<0.200	<0.00500	5.24	<0.000200	0.00631	0.0861	<0.00500	<0.00500	0.0127	0.0226
	02/27/2013	FD	<0.0100	0.00787	0.574	0.349	<0.00200	<0.00500	0.00574	<0.00500	<0.200	<0.00500	5.47	<0.000200	0.00619	0.0811	<0.00500	<0.00500	0.0125	0.0199
	08/21/2013		<0.0100	<0.00500	0.195	0.283	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	2.62	<0.000200	<0.00500	0.00869	<0.00500	<0.00500	0.00723	0.00547
	08/21/2013	FD	<0.0100	<0.00500	0.198	0.290	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	2.92	<0.000200	<0.00500	0.00906	<0.00500	<0.00500	0.00714	0.00592
	02/28/2014		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	08/20/2014		0.0129	<0.00500	0.820	0.361	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	1.10	<0.000200	<0.00500	0.0217	<0.00500	<0.00500	0.0269	0.0104
	02/27/2015		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	08/28/2015		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	08/28/2015	FD	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	03/09/2016		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	03/09/2016	FD	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	08/15/2016		DRY WELL - PLUGGED AND ABANDONED DECEMBER 2016																	
MW-11R	02/08/2017		<0.0258	0.00165 J	0.208	0.194	<0.000800	<0.00270	0.00157 J	0.0118 J	<0.0750	<0.00120	0.141	<0.0000490	0.00372 J	0.0115	0.00115 J	<0.00155	0.00580 J	<0.0128
	02/08/2017	FD	<0.0258	0.00181 J	0.198	0.186	<0.000800	<0.00270	0.00147 J	0.0105 J	<0.0750	<0.00120	0.133	<0.0000490	0.00316 J	0.00979 J	0.00135 J	<0.00155	0.00551 J	<0.0128
	08/17/2017		0.00988 JB	0.00225	0.156	0.162	<0.000160	<0.000540	<0.000260	0.00242 J	<0.0150	<0.000240	0.00888	<0.0000490	0.00115 J	0.0275	0.00123 J	<0.000310	0.00349 J	0.0152 J
	04/05/2018		<0.00515	0.00250	0.153	0.192 J	<0.000160	<0.000540	<0.000260	0.0151	0.0561 J	0.000668 JB	0.00304 J	<0.0000490	0.00146 JB	0.0849	0.00219 B	<0.000310	0.00298 J	0.168
	10/01/2018		0.00726 JB	0.00258	0.162	0.160 J	<0.000160	<0.000540	<0.000260	0.0248	<0.0150	0.000797 JB	0.00123 JB	<0.0000490	0.00119 J	0.00546	0.00206	<0.000310	0.00299 J	0.111
	04/04/2019		<0.00515	0.00284	0.180	0.203	<0.000160	<0.000540	<0.000260	0.0386	<0.0150	0.000793 J	0.000546 J	<0.0000490	0.00143 J	0.00305	0.00182 J	<0.000310	0.00396 J	0.132
	10/24/2019		<0.00515	0.00249	0.187	0.218	<0.000160	0.00179 JB	<0.000260	0.0435	<0.0150	0.00131 J	<0.000250	0.0000675 JB	0.000953 J	0.00148 J	0.00289	<0.000310	0.00537 J	0.126
	06/18/2020		<0.0554	0.00239	0.187	0.294	<0.000478	<0.00149	<0.000477	0.0351	<0.0489	<0.00249	<0.00132	<0.000100	<0.000953	0.00455	0.00181 J	<0.000513	<0.00754	0.108
	10/08/2020		<0.0554	0.00250	0.186	0.286	<0.000478	<0.00149	<0.000477	0.0309	<0.0489	<0.00249	<0.00132	0.000104 J	<0.000953	0.00143 J	0.00205	<0.000513	<0.00754	0.0912
	04/15/2021		<0.0185	0.00247	0.201	0.303	<0.000150	<0.00124	0.000102 J	0.00452 J	<0.0281	<0.000849	0.00409 JB	<0.000100	0.00106 J	0.00193 J	0.000975 J	<0.0000700	0.00623 J	0.00533 JB
	09/16/2021		<0.0185	0.00254	0.198	0.296	<0.000150	<0.00124	0.000246 J	0.0326	<0.0281	0.00151 J	0.0343	<0.000100	0.00138 J	0.00174 J	0.00141 J	<0.0000700	0.00720 J	0.0562
	04/14/2022		<0.0185	0.00256	0.181	0.267	<0.000150	<0.00124	0.000135 J	0.0441	<0.0281	0.000957 J	0.0166	<0.000100	0.00114 JB	0.00303 B	0.00153 J	<0.0000700	0.00455 J	0.0660
	10/13/2022		<0.0185	0.00260	0.187	0.259	<0.000150	0.00153 J	0.000116 J	0.0380	<0.0281	0.00143 J	0.0265	<0.000100	0.00109 J	0.00276	0.00115 J	<0.0000700	0.00581 J	0.0893
	03/23/2023		--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)
	10/05/2023		<0.0185	0.00292	0.218	0.273	<0.000150	<0.00124	0.00114 J	0.0126	<0.0281	0.000966 J	0.205	<0.000100	0.00118 J	0.00470	0.000546 J	<0.0000700	0.00718 J	0.0184 J
	04/04/2024		<0.0185	0.00363	0.318	0.267	<0.000150	<0.00124	0.00185 J	0.0189	<0.0281	0.00102 J	0.692	<0.000100 [R]	0.00106 J	0.00540	0.000910 J	<0.0000700	0.00718 J	0.0749
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0160	0.00293	0.211	0.271	<0.000120	<0.000900	<0.000100	0.0302	<0.0226	0.000776 J	0.00124 J	<0.0000700	0.00100 J	0.00107 J	0.000927 J	<0.000110	0.00688	0.0404
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-12	06/16/2009		<0.0200	0.00516	0.0775	0.200	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	<0.0100
	01/18/2010		<0.0100	<0.00500	0.0755	0.235	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0219	<0.000200	<0.00500	0.0182	<0.00500	<0.00500	<0.00500	<0.00500
	08/20/2010		0.115	0.00550	0.0756	0.176	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/25/2011		<0.0100	0.00504	0.0760	0.198	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0185
	07/19/2011		<0.0100	<0.00500	0.0828	0.215	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00976	<0.000200	0.00575	0.00684	<0.00500	<0.00500	<0.00500	<0.00500
	--		DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013																	
MW-12R	08/21/2013		<0.0100	<0.00500	0.0937	0.194	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0129	<0.000200	0.00647	0.0103	<0.00500	<0.00500	<0.00500	0.00956
	02/27/2014		<0.0100	<0.00500	0.0767	0.193	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00992	<0.00500	<0.00500	<0.00500	<0.00500
	08/20/2014		1.31	<0.00500	0.145	0.223	<0.00200	0.0516	<0.00500	<0.00500	0.867	<0.00500	0.0483	<0.000200	0.00554	0.0350	<0.00500	<0.00500	<0.00500	0.00962
	02/24/2015		0.037 J	0.0038	0.095	0.20	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0042 J	<0.0049	<0.0074	<0.0028	0.0019 J	0.0081 J
	08/25/2015		<0.0350	0.00413	0.102	0.233	<0.000160	<0.000540	<0.000260	<0.000520	<0.0141	<0.000240	0.00203 J	<0.0000490	0.00294 J	0.00191 J	0.000707 J	<0.000310	0.00270 J	0.00291 J
	03/09/2016		0.00398 J	0.0034	0.0972	0.214	<0.000160	0.000653 J	<0.000260	0.00331 J	<0.0150	<0.000240	0.00314 JB	<0.0000490	0.00348 J	0.00349 B	0.00121 J	<0.000310	0.00291 J	<0.00256
	08/18/2016		0.00468 JB	0.00294	0.111	0.274	<0.000160	0.00128 JB	<0.000260	0.00176 JB	<0.0150	0.000332 J	0.00250 J	0.0000689 JB	0.00267 J	0.00238 B	0.00151 J	<0.000310	0.00400 J	<0.00256
	02/08/2017		<0.0258	0.00348 J	0.133	0.273	<0.000800	<0.00270	<0.00130	<0.00260	<0.0750	<0.00120	0.0377	<0.0000490	0.00446 J	0.00769 J	0.00185 J	<0.00155	0.00430 J	0.0192 J
	08/16/2017		0.0102 JB	0.00270	0.118	0.229	<0.000160	0.000749 J	<0.000260	0.000969 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00285 J	0.00185 JB	0.00147 J	<0.000310	0.00422 J	0.00320 J
	04/05/2018		<0.00515	0.00275	0.128	0.281	<0.000160	<0.000540	<0.000260	0.00164 JB	<0.0150	<0.000240	0.000316 JB	<0.0000490	0.00206 JB	0.00187 JB	0.00169 JB	<0.000310	0.00464 J	0.00477 J
	04/05/2018	FD	<0.00515	0.00291	0.130	0.279	<0.000160	0.000595 JB	<0.000260	0.00170 JB	<0.0150	<0.000240	0.000435 JB	<0.0000490	0.00217 JB	0.00167 JB	0.00150 JB	<0.000310	0.00476 J	0.00779 J
	10/01/2018		<0.00515	0.00251	0.141	0.262	<0.000160	<0.000540	<0.000260	0.000867 JB	<0.0150	<0.000240	0.000932 JB	<0.0000490	0.00195 J	0.00181 J	0.00175 J	<0.000310	0.00458 J	0.00781 JB
	10/01/2018	FD	<0.00515	0.00292	0.154	0.249	<0.000160	0.000720 J	<0.000260	0.00150 J	<0.0150	0.000318 JB	0.000610 J	<0.0000490	0.00218 J	0.00205	0.00185 J	<0.000310	0.00502 J	0.00956 J
	04/04/2019		<0.00515	0.00250	0.167	0.295	<0.000160	0.000768 J	<0.000260	0.00330 J	<0.0150	<0.000240	0.000558 J	<0.0000490	0.00190 J	0.00530	0.00163 J	<0.000310	0.00582 J	0.0172 J
	04/04/2019	FD	<0.00515	0.00232	0.168	0.153 J	<0.000160	0.000775 JB	<0.000260	0.0100	<0.0150	<0.000240	0.000717 JB	<0.0000490	0.00168 J	0.00407	0.00206	<0.000310	0.00555 J	0.0148 J
	10/24/2019		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	06/18/2020		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020																	
MW-12R2	10/08/2020		<0.0554	0.00455	0.101	0.187 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.0112	0.000103 J	0.00701	0.00393	0.00223	<0.000513	<0.00754	0.0128 J
	04/15/2021		<0.0185	0.00425	0.118	0.197 J	<0.000150	<0.00124	<0.0000596	0.00196 J	<0.0281	<0.000849	0.00109 JB	<0.000100	0.00454 J	0.00430	0.00202	<0.0000700	0.00169 J	0.00906 JB
	09/16/2021		<0.0185	0.00406	0.110	0.193 J	<0.000150	<0.00124	<0.0000596	<0.00151	<0.0281	<0.000849	<0.000704	<0.000100	0.00408 J	0.00409	0.00212	<0.0000700	0.00181 J	0.0171 J
	04/14/2022		0.0222 JB	0.00406	0.118	0.189 J	<0.000150	0.00170 JB	0.0000920 J	0.00254 J	<0.0281	<0.000849	0.00106 J	<0.000100	0.00380 J	0.00614 B	0.00265	<0.0000700	0.00152 J	0.0314
	10/13/2022		<0.0185	0.00401	0.120	0.189 J	<0.000150	<0.00124	<0.0000596	0.00356 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00370 J	0.00355	0.00249	<0.0000700	0.00171 J	0.109
	03/23/2023		<0.0185	0.00413	0.121	0.193 J	<0.000150	<0.00124	0.0000647 J	0.00365 J	<0.0281	<0.000849	0.00108 J	<0.000100	0.00330 J	0.00152 J	0.00296	0.0000741 J	0.00246 J	0.0149 J
	10/05/2023		0.0207 J	0.00392	0.113	0.278	<0.000150	<0.00124	0.0000604 J	0.00567	<0.0281	<0.000849	<0.000704	<0.000100	0.00213 J	0.00601	0.00318	<0.0000700	0.00459 J	0.0409
	04/04/2024		<0.0185	0.00353	0.102	0.414	<0.000150	<0.00124	<0.0000596	0.00373 J	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00172 J	0.00596	0.00198 J	<0.0000700	0.00597 J	0.0210 J
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0160	0.00326	0.0945	0.340	<0.000120	<0.000900	0.000198 J	0.00359 J	0.0252 J	0.00155 J	0.000870 J	<0.0000700	0.00145 J	0.00216	0.00304	<0.000110	0.00542	0.0131 J
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-13	06/16/2009		<0.0200	<0.00500	0.0692	0.253	<0.00200	<0.00500	0.0285	<0.00500	<0.200	<0.00500	0.0176	<0.000200	<0.00500	0.0126	<0.00500	<0.00500	- -	0.0269
	01/18/2010		<0.0100	<0.00500	0.111	0.231	<0.00200	0.00728	0.00624	<0.00500	<0.200	<0.00500	0.0591	<0.000200	<0.00500	0.0110	<0.00500	<0.00500	0.0119	0.00769
	08/18/2010		0.0196	<0.00500	0.106	0.221	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.256	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.0128	0.00618
	02/25/2011		<0.0100	<0.00500	0.0692	0.242	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.225	<0.000200	<0.00500	0.0144	<0.00500	<0.00500	0.0170	0.0744
	07/19/2011		<0.0100	<0.00500	0.0800	0.249	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.302	<0.000200	<0.00500	0.0121	<0.00500	<0.00500	0.0188	0.00785
	02/01/2012		<0.0100	<0.00500	0.0752	0.228	<0.00200	<0.00500	0.00663	<0.00500	<0.200	<0.00500	0.341	<0.000200	<0.00500	0.0136	<0.00500	<0.00500	0.0128	0.0553
	07/26/2012		<0.0100	<0.00500	0.112	0.284	<0.00200	<0.00500	0.00644	<0.00500	<0.200	<0.00500	0.459	<0.000200	<0.00500	0.0108	<0.00500	<0.00500	0.0158	0.0361
	02/26/2013		0.0139	<0.00500	0.129	0.270	<0.00200	<0.00500	0.00657	<0.00500	<0.200	<0.00500	0.571	<0.000200	0.00568	0.0820	<0.00500	<0.00500	0.0123	0.0359
	08/21/2013		<0.0100	0.00590	0.159	0.265	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.705	<0.000200	<0.00500	0.0209	<0.00500	<0.00500	0.0153	0.00931
	02/27/2014		0.0110	<0.00500	0.191	0.258	<0.00200	0.0140	0.00541	<0.00500	0.321	<0.00500	1.01	<0.000200	<0.00500	0.0300	<0.00500	<0.00500	0.0173	0.0291
	08/19/2014		0.0737	<0.00500	0.207	0.287	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.940	<0.000200	<0.00500	0.00650	<0.00500	<0.00500	0.0151	0.0115
	02/27/2015		<0.035	0.0034	0.23	0.24	<0.00070	<0.0014	0.0047 J	<0.0053	<0.014	<0.00024	0.82	<0.000049	0.0010 J	<0.0049	<0.0074	<0.0028	0.014	0.019 J
	08/26/2015		<0.0350	0.00301	0.197	0.231	<0.000160	<0.000540	0.00163 J	0.00208 J	<0.0141	<0.000240	0.383	- -	0.00143 J	0.00276	0.000710 J	<0.000310	0.0112	0.00592 J
	03/08/2016		0.00530 JB	0.00365	0.0976	0.196	<0.000160	<0.000540	<0.000260	0.00100 JB	0.0238 JB	0.000241 JB	0.00062 J	<0.0000490	0.00288 J	0.000721 JB	0.00144 J	<0.000310	0.00303 J	0.00418 JB
	08/17/2016		0.00748 JB	0.00398	0.149	0.223	<0.000160	0.00130 JB	0.00218	0.00287 JB	0.0220 JB	<0.000240	0.241	<0.0000490	0.00111 J	0.00409 B	0.000998 J	<0.000310	0.0119	0.0159 J
	02/08/2017		<0.0258	0.00409 J	0.150	0.217	<0.000800	<0.00270	0.00296 J	<0.00260	<0.0750	<0.00120	0.157	<0.0000490	0.00132 J	0.00726 J	0.000432 J	<0.00155	0.0123 J	0.0382 J
	08/17/2017		0.00785 JB	0.00687	0.142	0.187	<0.000160	0.00128 J	<0.000260	0.00517	<0.0150	<0.000240	0.0258	<0.0000490	0.00193 J	0.0231	0.000828 J	<0.000310	0.0141	0.240
	04/05/2018		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	09/26/2018		DRY WELL - PLUGGED AND ABANDONED SEPTEMBER 2018																	
MW-13R	10/01/2018		0.00533 JB	0.00260	0.194	0.169 J	<0.000160	0.00234 B	0.00460	0.0243	<0.0150	<0.000240	0.223	<0.0000490	0.0360	0.162	0.00161 J	<0.000310	0.00743 J	0.0775
	04/04/2019		<0.00515	0.00188 J	0.199	0.239	<0.000160	0.00802	0.00148 J	0.0162	<0.0150	<0.000240	0.0520	0.0000564 J	0.000861 J	0.0234	0.000961 J	<0.000310	0.0106	0.0335
	10/24/2019		<0.00515	0.00205	0.225	0.262	<0.000160	0.00255 B	0.000874 J	0.0104 B	<0.0150	<0.000240	0.0508	0.000152 JB	0.000608 J	0.0127	0.000645 JB	<0.000310	0.0102	0.0184 J
	06/18/2020		<0.0554	0.00238	0.127	0.274	<0.000478	<0.00149	0.000767 J	0.0110	<0.0489	<0.00249	0.0392	<0.000100	<0.000953	0.0103	0.00122 J	<0.000513	0.00887 J	0.0131 J
	06/18/2020	FD	<0.0554	0.00229	0.122	0.277	<0.000478	<0.00149	0.000716 J	0.00941	<0.0489	<0.00249	0.0374	<0.000100	<0.000953	0.00920	0.00104 J	<0.000513	0.00865 J	0.0128 J
	10/08/2020		<0.0554	0.00276	0.123	0.263	<0.000478	<0.00149	0.000901 J	0.0105	<0.0489	<0.00249	0.0349	0.000132 J	<0.000953	0.0101	0.00122 J	<0.000513	0.0106 J	0.0158 J
	10/08/2020	FD	<0.0554	0.00270	0.116	0.270	<0.000478	<0.00149	0.000872 J	0.00964	<0.0489	<0.00249	0.0327	0.000107 J	<0.000953	0.00888	0.000881 J	<0.000513	0.0101 J	0.0143 J
	04/15/2021		<0.0185	0.00258	0.121	0.253	<0.000150	<0.00124	0.000640 J	0.00821	<0.0281	<0.000849	0.0255	<0.000100	0.000796 J	0.00629	0.00102 J	<0.0000700	0.00962 J	0.0126 JB
	09/16/2021		<0.0185	0.00265	0.104	0.240	<0.000150	<0.00124	0.000438 J	0.00757 B	<0.0281	<0.000849	0.0155	<0.000100	0.000681 J	0.00401	0.000929 J	<0.0000700	0.0119 J	0.00987 J
	09/16/2021	FD	<0.0185	0.00271	0.109	0.244	<0.000150	<0.00124	0.000408 J	0.00795	<0.0281	<0.000849	0.0153	<0.000100	0.000737 JB	0.00429	0.00104 J	<0.0000700	0.0101 J	0.00984 J
	04/14/2022		0.0557 J	0.00275	0.125	0.230	<0.000150	0.00661	0.000277 J	0.00775	<0.0281	<0.000849	0.0145	<0.000100	0.000995 J	0.00528	0.00132 J	<0.0000700	0.0117 J	0.0232 J
	10/13/2022		<0.0185	0.00293	0.140	0.263	<0.000150	0.00183 J	0.000369 J	0.00854	<0.0281	<0.000849	0.0169	<0.000100	0.000618 J	0.00780	0.000660 J	<0.0000700	0.0120 J	0.0164 J
	10/13/2022	FD	<0.0185	0.00286	0.144	0.239	<0.000150	0.00175 J	0.000369 J	0.00847	<0.0281	<0.000849	0.0167	<0.000100	0.000653 J	0.00729	0.000656 J	<0.0000700	0.0115 J	0.0179 J
	03/23/2023		--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)	--(2)
	10/05/2023		<0.0185	0.00274	0.149	0.312	<0.000150	0.00294	0.000479 J	0.00635	<0.0281	<0.000849	0.00900	<0.000100	0.000668 J	0.00854	0.000861 J	<0.0000700	0.0113 J	0.00442 J
	04/04/2024		<0.0185	0.00314	0.117	0.280	<0.000150	0.00332	0.000501 J	0.00802	<0.0281	<0.000849	0.00648	<0.000100 [R]	0.000637 J	0.00678	0.00121 J	<0.0000700	0.0113 J	0.0122 J
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		0.0303 J	0.00256	0.130	0.283	<0.000120	0.00207	0.000254 J	0.00568	0.0234 J	<0.000500	0.00277 J	0.0000867 J	0.000665 J	0.00435	0.00121 J	<0.000110	0.0106	0.00431 J
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater
HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-14	06/16/2009		<0.0200	<0.00500	0.0770	0.132	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0199	<0.000200	0.0215	<0.00501	<0.00500	<0.00500	- -	0.0255
	01/18/2010		<0.0100	<0.00500	<0.00500	<0.020	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	08/20/2010		0.103	<0.00500	0.0774	0.131	<0.00200	0.0119	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	0.00964	0.0480	<0.00500	<0.00500	0.00527	<0.00500
	02/25/2011		0.0101	<0.00500	0.0778	0.151	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0234	<0.000200	0.00903	0.0138	<0.00500	<0.00500	0.00541	0.0532
	07/18/2011		0.176	0.00615	0.110	0.156	<0.00200	12.5	0.122	0.218	54.9	<0.00500	1.45	<0.000200	0.0860	6.81	<0.00500	<0.00500	0.00544	0.0446
	01/31/2012		<0.0100	<0.00500	0.0802	0.129	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0276	<0.000200	0.00608	0.0186	<0.00500	<0.00500	<0.00500	0.0287
	07/25/2012		0.0116	<0.00500	0.0905	0.216	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0321	<0.000200	<0.00500	0.0240	<0.00500	<0.00500	<0.00500	0.0448
	02/21/2013		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	02/22/2013		<0.0100	<0.00500	0.0900	0.174	<0.00200	<0.00500	<0.00500	0.0705	<0.200	<0.00500	0.0349	<0.000200	0.0121	0.0106	<0.00500	<0.00500	0.00591	0.148
	08/22/2013		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	02/28/2014		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	08/20/2014		0.573	<0.00500	0.125	0.203	<0.00200	0.0247	<0.00500	<0.00500	0.314	<0.00500	0.00919	<0.000200	0.00533	0.0178	<0.00500	<0.00500	0.00502	0.0134
	02/27/2015		<0.035	0.0023	0.10	0.20 J	<0.00070	0.0026 J	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	--[1]	0.0040 J	<0.0049	<0.0074	<0.0028	0.0047 J	0.0070 J
	08/27/2015		<0.0350	0.00271	0.0998	0.188	<0.000160	0.00261	0.000326 J	0.00122 J	<0.0141	<0.000240	<0.000250	--[1]	0.00429 J	0.00190 J	0.00123 J	<0.000310	0.00485 J	0.00334 J
	08/19/2016		0.00385 JB	0.00244	0.124	0.216	<0.000160	0.00335 B	0.000476 J	0.00230 JB	<0.0150	<0.000240	0.00431 J	<0.0000490	0.00412 J	0.00253 B	0.00165 J	<0.000310	0.00554 J	0.00497 JB
	08/16/2017		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	<0.0000490	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	09/27/2018		DRY WELL - PLUGGED AND ABANDONED SEPTEMBER 2018																	
MW-14R	10/01/2018		0.0120 JB	0.00317	0.159	0.160 J	<0.000160	<0.000540	<0.000260	0.00200 JB	<0.0150	<0.000240	0.0107	<0.0000490	0.00700	0.00515	0.00178 J	<0.000310	0.00339 J	0.00479 JB
	10/24/2019		<0.00515	0.00248	0.332	0.181 J	<0.000160	<0.000540	<0.000260	<0.000520	<0.0150	<0.000240	<0.000250	0.0000617 JB	0.00242 J	<0.000350	0.00219 B	<0.000310	0.00509 J	<0.00256
	10/08/2020		<0.0554	0.00257	0.275	0.202	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	0.000115 J	0.00241 J	<0.000952	0.00226	<0.000513	<0.00754	<0.00996
	09/16/2021		<0.0185	0.00250	0.250	0.208	<0.000150	<0.00124	<0.0000596	<0.00151	<0.0281	<0.000849	<0.000704	<0.000100	0.00221 J	<0.000816	0.00178 J	<0.0000700	0.00653 J	0.00738 J
	10/13/2022		<0.0185	0.00260	0.232	0.209	<0.000150	<0.00124	<0.0000596	0.00161 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00227 J	<0.000816	0.00184 J	<0.0000700	0.00598 J	0.0119 J
	10/05/2023		<0.0185	0.00288	0.157	0.221	<0.000150	<0.00124	<0.0000596	<0.00151	<0.0281	<0.000849	<0.000704	<0.000100	0.00260 J	<0.000816	0.00162 J	<0.0000700	0.00488 J	<0.00302
	04/04/2024		<0.0185	0.00355	0.123	0.188 J	<0.000150	<0.00124	<0.0000596	0.00189 J	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00295 J	<0.000816	0.00168 J	<0.0000700	0.00459 J	<0.00302
	04/03/2025		0.0912 J	0.00340	0.110	0.199 J	<0.000120	<0.000900	<0.000100	0.00156 JB	0.0492 J	<0.000500	0.00169 J	<0.0000700	0.00300 J	<0.000500	0.00136 J	<0.000110	0.00415	<0.00400

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-15	08/20/2010		0.0790	<0.00500	0.145	0.175	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0198
	02/24/2011		<0.0100	<0.00500	0.127	0.165	<0.00200	0.0102	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0385
	07/14/2011		<0.0100	<0.00500	0.173	0.201	<0.00200	0.0132	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00657	<0.00500	<0.00500	<0.00500	0.0122
	01/30/2012		<0.0100	<0.00500	0.180	0.178	<0.00200	0.00644	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00967
	07/24/2012		<0.0100	<0.00500	0.178	0.227	<0.00200	0.0110	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00636
	02/19/2013		0.0682	<0.00500	0.178	0.191	<0.00200	0.129	<0.00500	<0.00500	0.610	<0.00500	0.0198	<0.000200	<0.00500	0.0704	<0.00500	<0.00500	<0.00500	0.0160
	08/20/2013		<0.0100	<0.00500	0.232	0.194	<0.00200	0.00594	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00854
	08/20/2013	FD	<0.0100	<0.00500	0.232	0.188	<0.00200	0.00582	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00619
	02/24/2014		<0.0100	<0.00500	0.178	0.175	<0.00200	0.00910	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/24/2014	FD	<0.0100	<0.00500	0.178	0.174	<0.00200	0.00961	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	08/21/2014		0.0102	<0.00500	0.146	0.117	<0.00200	0.00513	<0.00500	<0.00500	<0.200	<0.00500	0.00509	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0149
	08/21/2014	FD	0.0136	<0.00500	0.153	0.119	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0213
	02/24/2015		0.052 J	0.0040	0.15	0.17 J	<0.00070	0.0034 J	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0024 J	<0.0049	<0.0074	<0.0028	0.0021 J	0.012 J
	08/27/2015		<0.0350	0.00424	0.146	0.167	<0.000160	0.00285	<0.000260	0.00109 J	<0.0141	0.000373 J	0.000492 J	<0.0000490	0.00249 J	0.000825 J	0.00232	<0.000310	0.00220 J	<0.00256
	08/27/2015	FD	<0.0350	0.00443	0.146	0.174	<0.000160	0.00272	<0.000260	<0.000520	0.0144 J	<0.000240	0.000276 J	<0.0000490	0.00254 J	0.000688 J	0.00253	<0.000310	0.00200 J	<0.00256
	03/07/2016		0.00537 JB	0.0042	0.14	0.156	<0.000160	0.00281	<0.000260	0.000956 J	<0.0150	0.000309 JB	0.000837 JB	<0.0000490	0.00240 J	0.00173 JB	0.00234	<0.000310	0.00248 J	0.00275 JB
	08/15/2016		0.00418 JB	0.00353	0.140	0.176	<0.000160	0.00128 JB	0.000281 J	0.00193 JB	<0.0150	<0.000240	0.00394 J	<0.0000490	0.00326 J	0.00597 B	0.00245	<0.000310	0.00275 J	0.00409 J
	08/15/2016	FD	0.00531 JB	0.00353	0.145	0.183	<0.000160	0.00130 JB	0.000293 J	0.000569 JB	0.0441 JB	<0.000240	0.00413 J	<0.0000490	0.00340 J	0.00598 B	0.00259	<0.000310	0.00281 J	0.00403 J
	02/06/2017		<0.0258	0.00342 J	0.160	0.198	<0.000800	<0.00270	<0.00130	<0.00260	<0.0750	<0.00120	0.00764 J	<0.0000490	0.00419 J	0.0145	0.00213	<0.00155	0.00275 J	0.0140 J
	08/16/2017		0.00788 JB	0.00362	0.161	0.161	<0.000160	0.00242	<0.000260	0.00189 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00183 J	0.00373 B	0.00191 J	<0.000310	0.00257 J	0.0104 J
	04/05/2018		<0.00515	0.00339	0.148	0.189 J	<0.000160	0.00201 B	<0.000260	0.00420 J	0.0281 J	0.000269 JB	0.00172 JB	<0.0000490	0.00433 J	0.00561	0.00170 JB	<0.000310	0.00290 J	0.0250 J
	10/01/2018		<0.00515	0.00329	0.162	0.157 J	<0.000160	0.00118 JB	<0.000260	0.00144 JB	<0.0150	<0.000240	0.00189 JB	<0.0000490	0.00136 J	0.00277	0.00215	<0.000310	0.00288 J	0.0199 JB
	04/04/2019		0.00581 JB	0.00294	0.189	0.180 J	<0.000160	0.00181 J	<0.000260	0.00800	<0.0150	0.000487 J	0.000601 J	<0.0000490	0.00170 J	0.00656	0.00134 J	<0.000310	0.00265 J	0.0714
	10/24/2019		<0.00515	0.00246	0.160	0.172 J	<0.000160	0.00321	<0.000260	0.00177 JB	<0.0150	<0.000240	0.00280 J	0.0000657 JB	0.00567	0.0322	0.00252	<0.000310	0.00273 J	0.128
	06/18/2020		<0.0554	0.00285	0.137	0.183 J	<0.000478	0.00504	<0.000477	0.00313 J	<0.0489	<0.00249	0.00176 J	<0.000100	0.00697	0.0396	0.00184 J	<0.000513	<0.00754	0.168
	10/08/2020		<0.0554	0.00315	0.132	0.183 J	<0.000478	0.00433	<0.000477	0.00340 J	<0.0489	<0.00249	0.00368 J	0.000103 J	0.00521	0.0259	0.00165 J	<0.000513	<0.00754	0.175
	04/15/2021		<0.0185	0.00217	0.120	0.180 J	<0.000150	0.00670	0.000593 J	0.0219	<0.0281	<0.000849	0.00472 JB	<0.000100	0.0102	1.29	0.00206	<0.0000700	0.00251 J	3.68
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021																	
MW-15R	09/16/2021		<0.0185	0.00391	0.154	0.190 J	<0.000150	0.00864	0.000137 J	0.00425 JB	<0.0281	<0.000849	0.00653	<0.000100	0.00864	0.00497	0.00244	<0.0000700	0.00252 J	0.0312
	04/14/2022		<0.0185	0.00258	0.178	0.197 J	<0.000150	0.0102	<0.0000596	0.00866	<0.0281	<0.000849	0.00210 JB	<0.000100	0.00175 J	0.00312	0.00233	<0.0000700	0.00237 J	0.0687
	10/13/2022		<0.0185	0.00269	0.148	0.170 J	<0.000150	0.0147	<0.0000596	0.00456 J	<0.0281	<0.000849	0.000723 J	<0.000100	0.00127 J	0.00184 J	0.00194 J	<0.0000700	0.00260 J	0.0469
	03/23/2023		<0.0185	0.00281	0.114	0.192 J	<0.000150	0.0214	<0.0000596	0.00488 J	<0.0281	<0.000849	0.00138 J	<0.000100	0.00169 J	<0.000816	0.00209	<0.0000700	0.00253 J	0.0474
	10/05/2023		<0.0185	0.00288	0.128	0.203	<0.000150	0.0215	<0.0000596	0.00437 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00182 J	0.00174 J	0.00174 J	<0.0000700	0.00215 J	0.0674
	04/04/2024		<0.0185	0.00340	0.108	0.187 J	<0.000150	0.0355	<0.0000596	0.00348 J	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00224 J	0.00143 J	0.00254	<0.0000700	0.00214 J	0.0310
	10/03/2024		<0.0185	0.00256	0.136	0.180 J	<0.000150	0.0135	0.000104 J	0.00864	<0.0281	<0.000849	0.00114 J	<0.0000700	0.00173 J	0.00650	0.00228	<0.0000700	0.00213 J	0.193
	04/03/2025		<0.0160	0.00305	0.138	0.196 J	<0.000120	0.0127	<0.000100	0.00527	<0.0226	0.00104 J	<0.000700	<0.0000700	0.00170 J	0.000653 J	0.00195 J	<0.000110	0.00230	0.0233 J
	10/09/2025		<0.0160	0.00307	0.100	0.189 J	<0.000120	0.0160	<0.000100	0.00432 J	<0.0226	0.000976 JB	<0.000700	<0.0000700	0.00197 J	<0.000500	0.00213	<0.000110	0.00197	0.0318

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-16	08/20/2010		0.0746	<0.00500	0.109	0.156	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00554	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0145
	02/24/2011		<0.0100	<0.00500	0.107	0.162	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00671	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0248
	07/15/2011		0.188	<0.00500	0.129	0.181	<0.00200	0.115	<0.00500	<0.00500	0.613	<0.00500	0.0164	<0.000200	<0.00500	0.0591	<0.00500	<0.00500	<0.00500	0.0176
	07/15/2011	FD	0.0374	<0.00500	0.118	0.185	<0.00200	0.0251	<0.00500	<0.00500	0.241	<0.00500	0.00820	<0.000200	<0.00500	0.0234	<0.00500	<0.00500	<0.00500	0.0166
	01/30/2012		<0.0100	<0.00500	0.0964	0.166	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00899
	07/24/2012		0.0102	<0.00500	0.0966	0.202	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0162	<0.000200	<0.00500	0.0112	<0.00500	<0.00500	<0.00500	0.0167
	02/20/2013		<0.0100	0.00547	0.0968	0.172	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00693
	08/20/2013		0.0260	<0.00500	0.105	0.192	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0219	<0.000200	<0.00500	0.0177	<0.00500	<0.00500	<0.00500	<0.00500
	02/25/2014		<0.0100	<0.00500	0.0938	0.172	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0225	<0.000200	0.00516	0.0295	<0.00500	<0.00500	<0.00500	0.00786
	08/19/2014		0.335	<0.00500	0.104	0.209	<0.00200	0.00751	<0.00500	<0.00500	<0.200	<0.00500	0.00544	<0.000200	<0.00500	0.00667	<0.00500	<0.00500	<0.00500	0.00897
	02/24/2015		0.042 J	0.0051	0.098	0.17 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	0.0042 J	<0.000049	0.0035 J	<0.0049	<0.0074	<0.0028	0.0016 J	0.014 J
	08/27/2015		<0.0350	0.00528	0.0936	0.176	<0.000160	<0.000540	<0.000260	0.000638 J	<0.0141	<0.000240	0.000312 J	<0.0000490	0.00293 J	<0.000350	0.00228	<0.000310	0.00156 J	0.00343 J
	08/15/2016		0.00512 JB	0.00434	0.0973	0.181	<0.000160	0.00122 JB	<0.000260	0.000659 JB	0.0571 JB	<0.000240	0.00916	<0.0000490	0.00631	0.0117	0.00246	<0.000310	0.00206 J	0.00454 J
	08/17/2017		0.0178 JB	0.00488	0.106	0.162	<0.000160	0.000796 J	<0.000260	0.00279 J	<0.0150	<0.000240	0.000295 J	<0.0000490	0.00256 J	0.00343 B	0.00257	<0.000310	0.00198 J	0.0285
	10/01/2018		<0.00515	0.00492	0.114	0.155 J	<0.000160	<0.000540	<0.000260	0.00200 JB	<0.0150	<0.000240	0.000783 JB	<0.0000490	0.00243 J	0.000934 J	0.00322	<0.000310	0.00228 J	0.00805 JB
	10/24/2019		<0.00515	0.00557	0.109	0.157 J	<0.000160	0.00107 JB	<0.000260	0.00290 JB	<0.0150	0.000400 J	0.00116 J	0.0000606 JB	0.00251 J	0.00120 J	0.00358	<0.000310	0.00226 J	0.0369
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020																	
MW-16R	10/08/2020		<0.0554	0.00601	0.0895	0.162 J	<0.000478	<0.00149	<0.000477	0.00410 J	<0.0489	<0.00249	0.00805	<0.000100 [R]	0.00398 J	<0.000952	0.00252	<0.000513	<0.00754	<0.00996
	09/16/2021		<0.0185	0.00459	0.105	0.167 J	<0.000150	<0.00124	<0.0000596	0.00299 JB	<0.0281	<0.000849	0.000862 J	<0.000100	0.00290 J	0.00190 J	0.00257	<0.0000700	0.00301 J	0.0297
	10/13/2022		0.0192 J	0.00478	0.0980	0.154 J	<0.000150	<0.00124	<0.0000596	0.00241 J	<0.0281	<0.000849	0.000881 J	<0.000100	0.00243 J	<0.000816	0.00256	<0.0000700	0.00247 J	0.00935 J
	10/05/2023		<0.0185	0.00535	0.0895	0.170 J	<0.000150	0.00169 J	<0.0000596	0.00475 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00276 J	0.00273	0.00237	<0.0000700	0.00172 J	0.0188 J
	04/04/2024		<0.0185	0.00572	0.0899	0.160 J	<0.000150	0.00144 J	<0.0000596	0.00869	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00326 J	0.00151 J	0.00196 J	<0.0000700	0.00155 J	0.0448
	04/03/2025		<0.0160	0.00514	0.112	0.171 J	<0.000120	0.00327	0.000142 J	0.00690	<0.0226	0.000856 J	0.000861 J	<0.0000700	0.00261 J	0.00342	0.00222	<0.000110	0.00177	0.179

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-17	08/20/2010		0.146	<0.00500	0.180	0.157	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0142
	02/24/2011		<0.0100	<0.00500	0.152	0.162	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0478
	07/18/2011		<0.0100	<0.00500	0.141	0.165	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0126
	--		DAMAGED WELL - PLUGGED AND ABANDONED JUNE 2013																	
MW-17R	08/22/2013		0.0302	<0.00500	0.154	0.188	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0819	<0.000200	0.00531	0.0189	<0.00500	<0.00500	<0.00500	<0.00500
	02/27/2014		0.254	<0.00500	0.121	0.193	<0.00200	0.0121	<0.00500	<0.00500	<0.200	<0.00500	0.0342	<0.000200	<0.00500	0.0273	<0.00500	<0.00500	<0.00500	<0.00500
	08/22/2014		0.0459	<0.00500	0.153	0.120	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0989	<0.000200	<0.00500	0.0378	<0.00500	<0.00500	<0.00500	0.0243
	02/26/2015		0.046 J	0.0028	0.12	- -	<0.00070	0.0022 J	<0.0023	<0.0053	<0.014	0.00030 J	<0.0012	<0.000049	0.0013 J	<0.0049	<0.0074	<0.0028	0.0030 J	0.023 J
	08/27/2015		<0.0350	0.00320	0.0972	0.171	<0.000160	0.000967 J	<0.000260	0.000632 J	0.0218 J	<0.000240	0.00123 J	<0.0000490	0.00163 J	0.000779 J	0.00203	<0.000310	0.00267 J	<0.00256
	03/08/2016		0.0150 JB	0.00259	0.0739	0.161	<0.000160	<0.000540	0.000315 J	0.000717 J	<0.0150	<0.000240	0.0544	<0.0000490	0.000749 J	0.00103 JB	0.00185 J	<0.000310	0.00666 J	0.00412 JB
	08/17/2016		0.00299 JB	0.00251	0.143	0.199	<0.000160	0.00110 JB	<0.000260	0.00145 JB	<0.0150	<0.000240	0.00281 J	<0.0000490	0.00140 J	0.00147 JB	0.00143 J	<0.000310	0.00285 J	<0.00256
	02/09/2017		<0.0258	0.00292 J	0.0993	0.183	<0.000800	<0.00270	<0.00130	0.00839 J	<0.0750	<0.00120	0.0450	<0.0000490	0.00415 J	0.0112	0.00227	<0.00155	0.00227 J	<0.0128
	08/16/2017		0.00847 JB	0.00367	0.0723	0.154	<0.000160	0.00244	<0.000260	0.00105 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00161 J	0.00196 JB	0.00274	<0.000310	0.00179 J	0.00448 J
	04/05/2018		<0.00515	0.00353	0.107	0.166 J	<0.000160	0.00143 JB	<0.000260	0.00180 JB	<0.0150	<0.000240	<0.000250	<0.0000490	0.00161 JB	0.00233 B	0.00261 B	<0.000310	0.00165 JB	0.00823 J
	04/05/2018	FD	<0.00515	0.00350	0.109	0.172 J	<0.000160	0.00118 JB	<0.000260	0.00166 JB	<0.0150	<0.000240	0.000388 JB	<0.0000490	0.00161 JB	0.00229 B	0.00227 B	<0.000310	0.00163 JB	0.0116 J
	10/01/2018		0.00927 JB	0.00327	0.120	0.145 J	<0.000160	0.000817 JB	<0.000260	0.00143 JB	<0.0150	<0.000240	0.000555 JB	<0.0000490	0.00157 J	0.00309	0.00290	<0.000310	0.00189 J	0.0203 JB
	04/04/2019		<0.00515	0.00384	0.0984	0.150 J	<0.000160	0.00167 J	<0.000260	0.00167 J	<0.0150	<0.000240	0.000643 J	<0.0000490	0.00180 J	0.0335	0.00294	<0.000310	0.00168 J	0.0260
	04/04/2019	FD	<0.00515	0.00346	0.0972	0.185 J	<0.000160	0.00138 JB	<0.000260	0.00105 J	<0.0150	<0.000240	0.000563 JB	<0.0000490	0.00147 J	0.00314	0.00305	<0.000310	0.00162 J	0.0192 J
	10/24/2019		<0.00515	0.00378	0.0915	0.116 J	<0.000160	0.00223 B	<0.000260	0.000686 JB	<0.0150	0.000244 J	<0.000250	0.0000572 JB	0.00167 J	0.00478	0.00218 B	<0.000310	0.00166 J	0.0365
	06/18/2020		<0.0554	0.00386	0.0956	0.148 J	<0.000478	0.00178 J	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00174 J	0.00270	0.00256	<0.000513	<0.00754	0.0203 J
	10/08/2020		<0.0554	0.00355	0.0888	0.151 J	<0.000478	0.00166 J	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100 [R]	0.00189 J	<0.000952	0.00272	<0.000513	<0.00754	0.0302
	04/15/2021		<0.0185	0.00406	0.101	0.145 J	<0.000150	0.00244	<0.0000596	0.00308 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00195 J	0.00163 J	0.00233	<0.0000700	0.00163 J	0.0107 JB
	09/16/2021		<0.0185	0.00347	0.115	0.147 J	<0.000150	0.00165 J	<0.0000596	0.00159 JB	<0.0281	<0.000849	<0.000704	<0.000100	0.00169 J	0.000903 J	0.00185 J	<0.0000700	0.00217 J	0.00895 J
	04/14/2022		0.0872 J	0.00385	0.117	0.153 J	<0.000150	0.00214	<0.0000596	0.00286 J	<0.0281	<0.000849	0.00193 JB	<0.000100	0.00167 J	0.00218	0.00156 J	<0.0000700	0.00209 J	0.00729 J
	10/13/2022		0.0857 J	0.00372	0.134	0.133 J	<0.000150	0.00158 J	0.000117 J	0.00255 J	0.0723 J	<0.000849	0.00436 J	<0.000100	0.00170 J	0.00158 J	0.00154 J	<0.0000700	0.00230 J	0.0155 J
	03/23/2023		0.543	0.00367	0.179	0.155 J	<0.000150	0.00508	0.000364 J	0.00219 J	0.562	0.000878 J	0.0189	<0.000100	0.00182 J	0.00194 J	0.00124 J	<0.0000700	0.00270 J	0.00795 J
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	04/04/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	04/03/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-18	08/23/2010		0.0787	<0.00500	0.0575	0.334	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.314	<0.000200	0.00561	0.0298	0.00548	<0.00500	0.0123	0.0772
	02/24/2011		0.0157	<0.00500	0.0766	0.330	<0.00200	0.0186	<0.00500	<0.00500	<0.200	<0.00500	0.00536	<0.000200	<0.00500	0.0144	0.00501	<0.00500	0.00883	0.0439
	07/18/2011		0.0244	<0.00500	0.05636	0.396	<0.00200	0.0111	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.0129	<0.00500	<0.00500	0.00666	0.0661
	01/31/2012		0.0113	<0.00500	0.0645	0.133	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0191
	07/25/2012		0.0110	<0.00500	0.0780	0.230	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00684
	02/22/2013		0.0742	<0.00500	0.105	0.249	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0129	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.0138	0.0187
	08/22/2013		<0.0100	<0.00500	0.110	0.243	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00509	<0.00500	<0.00500	<0.00500	<0.00500
	02/26/2014		0.0213	<0.00500	0.0766	0.244	<0.00200	<0.00500	<0.00500	0.0215	<0.200	<0.00500	0.0117	<0.000200	<0.00500	0.00681	<0.00500	<0.00500	0.00701	0.0465
	08/20/2014		1.31	<0.00500	0.145	0.242	<0.00200	0.00506	<0.00500	<0.00500	0.637	<0.00500	0.0378	<0.000200	<0.00500	0.00634	<0.00500	<0.00500	<0.00500	0.0363
	02/26/2015		0.069 J	0.0026	0.10	0.26	<0.00070	<0.0014	<0.0023	0.0061 J	0.022 J	0.00026 J	<0.0012	<0.000049	0.0020 J	<0.0049	<0.0074	<0.0028	0.0039 J	0.017 J
	08/25/2015		<0.0350	0.00288	0.116	0.188 J	<0.000160	0.00118 J	<0.000260	0.000646 J	<0.0141	<0.000240	0.00120 J	<0.0000490	0.00612	0.00151 J	0.00178 J	<0.000310	0.00434 J	0.00669 J
	08/17/2016		<0.00200	0.00194 J	0.108	0.223	<0.000160	0.00195 JB	<0.000260	0.00214 JB	0.0201 J	<0.000240	0.00261 J	0.0000593 JB	0.00217 J	0.00139 JB	0.00173 J	<0.000310	0.00423 J	0.00992 JB
	08/16/2017		<0.00515	0.00174 J	0.135	0.169	<0.000160	0.00176 J	<0.000260	0.000766 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00174 J	0.00106 JB	0.00299	<0.000310	0.00434 J	0.00897 J
	10/01/2018		<0.00515	0.00225	0.0916	0.240	<0.000160	0.00185 JB	<0.000260	0.00231 JB	<0.0150	0.000351 JB	0.000538 JB	<0.0000490	0.00166 J	0.0101	0.00252	<0.000310	0.00428 J	0.0334 B
	10/24/2019		<0.00515	0.00232	0.0826	0.168 J	<0.000160	0.00258 B	<0.000260	0.00302 JB	<0.0150	<0.000240	<0.000250	0.0000660 JB	0.00193 J	0.00878	0.00190 JB	<0.000310	0.00354 J	0.0682
	10/08/2020		<0.0554	0.00209	0.102	0.183 J	<0.000478	0.00337	<0.000477	0.00637	<0.0489	<0.00249	0.00412 J	--[1]	0.00166 J	0.0117	0.00196 J	<0.000513	<0.00754	0.124
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021																	
MW-18R	09/16/2021		<0.0185	0.00409	0.105	0.122 J	<0.000150	0.00139 J	<0.0000596	0.00238 JB	<0.0281	<0.000849	0.00166 J	<0.000100	0.00448 J	<0.000816	0.00455	<0.0000700	0.00269 J	0.00553 J
	10/13/2022		0.0268 J	0.00534	0.114	0.141 J	<0.000150	<0.00124	<0.0000596	0.00317 J	<0.0281	<0.000849	0.00171 J	<0.000100	0.00339 J	<0.000816	0.00143 J	<0.0000700	0.00141 J	0.0841
	10/05/2023		<0.0185	0.00598	0.0859	0.167 J	<0.000150	0.00131 J	<0.0000596	0.00155 J	<0.0281	<0.000849	0.00161 J	<0.000100	0.00321 J	0.00640	0.00220	<0.0000700	0.00132 J	0.0738
	04/04/2024		<0.0185	0.00576	0.0924	0.145 J	<0.000150	<0.00124	<0.0000596	<0.00151	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00333 J	<0.000816	0.00166 J	<0.0000700	0.00143 J	0.0216 J
	04/03/2025		<0.0160	0.00607	0.150	0.176 J	<0.000120	<0.000900	<0.000100	0.00902	<0.0226	0.00117 J	0.00175 J	<0.0000700	0.00288 J	0.00493	0.00369	<0.000110	0.00147	0.166

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Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater
HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-19	08/23/2010		0.101	0.0476	0.229	<0.020	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00666	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0227
	02/24/2011		<0.0100	<0.00500	0.0764	0.180	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0318
	07/18/2011		<0.0100	<0.00500	0.0920	0.266	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00781	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0553
	01/31/2012		<0.0100	<0.00500	0.0688	0.350	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00553	<0.000200	<0.00500	0.00525	<0.00500	<0.00500	<0.00500	0.0345
	07/25/2012		0.0114	<0.00500	0.106	0.535	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00593	<0.000200	<0.00500	0.00664	<0.00500	<0.00500	<0.00500	0.0714
	02/26/2013		<0.0100	<0.00500	0.0870	0.300	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00566	<0.00500	<0.00500	<0.00500	0.0629
	08/22/2013		<0.0100	<0.00500	0.0857	0.241	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00512
	08/22/2013	FD	0.0182	<0.00500	0.0864	0.237	<0.00200	0.0143	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00900	<0.00500	<0.00500	<0.00500	<0.00500
	02/26/2014		0.0120	<0.00500	0.0793	0.227	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0157	<0.000200	<0.00500	0.0122	<0.00500	<0.00500	<0.00500	0.0333
	02/26/2014	FD	0.0435	<0.00500	0.0753	0.204	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0165	<0.000200	<0.00500	0.0123	<0.00500	<0.00500	<0.00500	0.0350
	08/19/2014		0.0461	<0.00500	0.269	0.279	<0.00200	0.0352	<0.00500	<0.00500	0.263	<0.00500	0.0204	<0.000200	<0.00500	0.0261	<0.00500	<0.00500	<0.00500	0.00854
	08/19/2014	FD	0.0208	<0.00500	0.0846	0.236	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0106	<0.000200	<0.00500	0.00943	<0.00500	<0.00500	<0.00500	0.00640
	02/26/2015		<0.035	0.0046	0.070	0.22	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0032 J	<0.0049	<0.0074	<0.0028	0.0025 J	0.014 J
	02/26/2015	FD	0.089 J	0.0046	0.069	0.21	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0030 J	<0.0049	<0.0074	<0.0028	0.0025 J	0.013 J
	08/26/2015		<0.0350	0.00422	0.0875	0.185 J	<0.000160	0.00105 J	<0.000260	0.000732 J	<0.0141	<0.000240	<0.000250	<0.0000490	0.0107	0.00168 J	0.00138 J	<0.000310	0.00179 J	0.00486 J
	03/08/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2016		0.00479 JB	0.00383	0.0919	0.191	<0.000160	0.00129 JB	<0.000260	0.000646 JB	0.0268 JB	<0.000240	0.00104 JB	<0.0000490	0.00287 J	0.000547 JB	0.00148 J	<0.000310	0.00312 J	0.00397 J
	02/08/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/16/2017		0.00686 JB	0.00365	0.104	0.148	<0.000160	0.000704 J	<0.000260	0.00395 J	<0.0150	<0.000240	0.000510 J	<0.0000490	0.00328 J	0.0123	0.00143 J	<0.000310	0.00208 J	0.0241 J
	08/16/2017	FD	<0.00515	0.00351	0.103	0.151	<0.000160	0.000627 J	<0.000260	0.00304 J	<0.0150	<0.000240	0.000995 JB	<0.0000490	0.00317 J	0.00919	0.00138 J	<0.000310	0.00220 J	0.0207 J
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		0.00731 JB	0.00196 J	0.0939	0.145 J	<0.000160	0.000756 JB	0.00133 J	0.00446 JB	<0.0150	<0.000240	0.0179	<0.0000490	0.00480 J	0.0726	0.00109 J	<0.000310	0.00250 J	0.0926
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.00515	0.00135 J	0.0639	0.162 J	<0.000160	<0.000540	0.00261	0.00138 JB	<0.0150	<0.000240	0.0406	<0.0000490	0.00358 J	0.181	0.00146 JB	<0.000310	0.00274 J	0.0196 J
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021																	
MW-19R	09/16/2021		0.0302 J	0.00316	0.112	0.166 J	<0.000150	<0.00124	0.000518 J	0.00355 JB	<0.0281	<0.000849	0.0160	<0.000100	0.00424 J	0.0142	0.00150 J	<0.0000700	0.00244 J	0.0329
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		0.0443 J	0.00332	0.186	0.179 J	<0.000150	<0.00124	0.0000855 J	0.00166 J	0.0357 J	<0.000849	0.00245 J	<0.000100	0.00175 J	0.000997 J	0.00129 J	<0.0000700	0.00323 J	0.0192 J
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		<0.0185	0.00319	0.169	0.183 J	<0.000150	0.00175 J	0.0000642 J	0.00198 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00265 J	0.00203	0.00121 J	<0.0000700	0.00264 J	0.0285
	04/04/2024		<0.0185	0.00341	0.157	0.178 J	<0.000150	<0.00124	<0.0000596	0.00254 J	<0.0281	<0.000849	0.000783 J	<0.000100 [R]	0.00213 J	0.00228	0.00122 J	<0.0000700	0.00282 J	0.0500
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/03/2025		<0.0160	0.00348	0.141	0.174 J	<0.000120	0.00116 J	0.000136 J	0.00288 J	<0.0226	0.000892 J	<0.000700	<0.0000700	0.00300 J	0.00130 J	0.00111 J	<0.000110	0.00220	0.0460
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

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Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-20	08/23/2010		0.0891	<0.00500	0.122	0.143	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00970
	02/25/2011		<0.0100	<0.00500	0.120	0.150	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0643
	07/18/2011		<0.0100	<0.00500	0.134	0.159	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0278
	01/31/2012		<0.0100	<0.00500	0.114	0.149	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0171
	07/25/2012		<0.0100	<0.00500	0.107	0.217	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0187
	02/22/2013		0.0294	<0.00500	0.102	0.164	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0165
	08/20/2013		0.0104	<0.00500	0.102	0.172	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00966	<0.000200	<0.00500	0.0112	<0.00500	<0.00500	<0.00500	0.0242
	02/26/2014		<0.0100	<0.00500	0.112	0.173	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0107	<0.000200	<0.00500	0.00800	<0.00500	<0.00500	<0.00500	0.00954
	08/19/2014		0.290	<0.00500	0.108	0.194	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0116
	02/24/2015		0.038 J	0.0031	0.11	0.17 J	<0.00070	0.0020 J	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0024 J	<0.0049	<0.0074	<0.0028	0.0026 J	0.023 J
	08/25/2015		<0.0350	0.00396	0.108	0.180 J	<0.000160	0.000955 J	<0.000260	0.00109 J	<0.0141	<0.000240	<0.000250	<0.0000490	0.00167 J	0.000669 J	0.00141 J	<0.000310	0.00254 J	0.00578 J
	08/16/2016		0.00470 JB	0.00389	0.108	0.177	<0.000160	0.00177 JB	<0.000260	0.00552	0.0167 JB	0.000352 JB	0.000461 JB	<0.0000490	0.00236 J	0.000656 JB	0.00145 J	<0.000310	0.00275 J	0.00757 J
	08/17/2017		0.00779 JB	0.00353	0.112	0.152	<0.000160	0.000878 J	<0.000260	0.00200 J	<0.0150	<0.000240	0.000300 J	<0.0000490	0.00241 J	0.00383	0.00130 J	<0.000310	0.00222 J	0.0218 J
	10/01/2018		0.0130 JB	0.00195 J	0.119	0.156 J	<0.000160	0.00145 JB	0.00462	0.000825 JB	<0.0150	<0.000240	0.0259	<0.0000490	0.0270	0.142	0.00114 J	<0.000310	0.00196 J	0.0702
	10/24/2019		<0.00515	0.00342	0.139	0.164 J	<0.000160	0.00133 JB	<0.000260	<0.000520	<0.0150	<0.000240	0.000407 J	<0.0000490	0.0144	0.0135	0.00136 JB	<0.000310	0.00208 J	0.0260
	10/08/2020		<0.0554	0.00367	0.122	0.182 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100 [R]	0.00276 J	0.00103 J	0.00117 J	<0.000513	<0.00754	0.0150 J
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021																	
MW-20R	09/16/2021		<0.0185	0.00322	0.114	0.195 J	<0.000150	<0.00124	0.000467 J	0.00401 JB	<0.0281	<0.000849	0.0109	<0.000100	0.0242	0.00560	0.00167 J	<0.0000700	0.00303 J	0.0399
	10/13/2022		0.139	0.00376	0.120	0.169 J	<0.000150	0.00963	0.000277 J	0.00462 J	0.117	<0.000849	0.00715	<0.000100	0.0147	0.00779	0.00181 J	<0.0000700	0.00275 J	0.0931
	10/05/2023		<0.0185	0.00380	0.117	0.181 J	<0.000150	0.00181 J	0.000101 J	0.00268 J	<0.0281	<0.000849	0.000965 J	<0.000100	0.00571	0.00282	0.00206	<0.0000700	0.00254 J	0.0677
	04/04/2024		<0.0185	0.00404	0.124	0.188 J	<0.000150	<0.00124	<0.0000596	0.00292 J	<0.0281	<0.000849	0.000953 J	<0.000100 [R]	0.00391 J	0.00136 J	0.00228	<0.0000700	0.00303 J	0.0555
	04/03/2025		<0.0160	0.00419	0.128	0.184 J	<0.000120	0.00149 J	0.000166 J	0.00403 J	<0.0226	0.000777 J	0.000914 J	<0.0000700	0.00483 J	0.00218	0.00241	<0.000110	0.00297	0.0628
MW-21	08/23/2010		0.195	<0.00500	0.232	0.208	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0567	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00898	0.0307
	02/28/2011		<0.0100	<0.00500	0.258	0.257	<0.00200	0.00620	<0.00500	<0.00500	<0.200	<0.00500	0.102	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.0101	0.0184
	02/28/2011	FD	<0.0100	<0.00500	0.256	0.252	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.101	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00975	0.0213
	07/19/2011		<0.0100	<0.00500	0.242	0.225	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0346	<0.000200	<0.00500	0.00836	<0.00500	<0.00500	0.00873	0.0286
	01/31/2012		<0.0100	<0.00500	0.245	0.216	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0375	<0.000200	<0.00500	0.00746	<0.00500	<0.00500	0.00704	0.0170
	07/26/2012		<0.0100	<0.00500	0.244	0.261	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0380	<0.000200	<0.00500	0.00827	<0.00500	<0.00500	0.00862	0.0163
	02/22/2013		0.0818	<0.00500	0.224	0.286	<0.00200	0.0364	<0.00500	<0.00500	0.403	<0.00500	0.0467	<0.000200	<0.00500	0.0409	<0.00500	<0.00500	0.00962	0.0319
	08/20/2013		<0.0100	<0.00500	0.179	0.308	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0668	<0.000200	<0.00500	0.0219	<0.00500	<0.00500	0.00936	0.0195
	02/25/2014		<0.0100	<0.00500	0.187	0.335	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0709	<0.000200	<0.00500	0.0171	<0.00500	<0.00500	0.00939	0.0531
	08/19/2014		0.0299	<0.00500	0.180	0.350	<0.00200	<0.00500	<0.00500	<0.00500	0.344	<0.00500	0.0439	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00844	0.0208
	02/24/2015		<0.035	0.0017 J	0.21	0.36	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	0.00032 J	0.028	<0.000049	0.00074 J	<0.0049	<0.0074	<0.0028	0.0089 J	0.025 J
	08/25/2015		<0.0350	0.00221	0.224	0.369	<0.000160	0.000810 J	<0.000260	0.000702 J	<0.0141	0.000854 J	0.0110	<0.0000490	<0.00160	0.00180 J	0.000525 J	<0.000310	0.00837 J	0.00615 J
	08/16/2016		0.00210 JB	0.00147 J	0.171	0.460	<0.000160	0.00115 JB	<0.000260	0.000881 JB	<0.0150	<0.000240	0.00793	- -	0.000639 J	0.00167 JB	0.000702 J	<0.000310	0.00920 J	0.00432 J
	08/17/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	04/04/2024		REMOVED FROM MONITORING PROGRAM																	
	10/21/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024																	

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-22	08/23/2010		0.121	<0.00500	0.165	0.174	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0306	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00604	0.0916
	02/28/2011		<0.0100	<0.00500	0.146	0.173	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0108	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00616	0.0487
	07/19/2011		<0.0100	<0.00500	0.150	0.178	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00721	<0.000200	<0.00500	0.00546	<0.00500	<0.00500	0.00638	0.0203
	01/31/2012		<0.0100	<0.00500	0.151	0.141	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0103	<0.000200	<0.00500	0.00762	<0.00500	<0.00500	0.00501	0.0183
	07/26/2012		<0.0100	<0.00500	0.143	0.196	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00949	<0.000200	<0.00500	0.00839	<0.00500	<0.00500	0.00564	0.00680
	02/21/2013		0.0231	<0.00500	0.145	0.180	<0.00200	0.0305	<0.00500	<0.00500	0.269	<0.00500	0.0386	<0.000200	<0.00500	0.0520	<0.00500	<0.00500	0.00590	0.0208
	08/21/2013		<0.0100	<0.00500	0.137	0.210	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0233	<0.000200	<0.00500	0.0209	<0.00500	<0.00500	0.00658	0.00566
	02/25/2014		<0.0100	<0.00500	0.143	0.204	<0.00200	0.0133	<0.00500	<0.00500	<0.200	<0.00500	0.0238	<0.000200	<0.00500	0.0266	<0.00500	<0.00500	0.00632	0.0150
	08/20/2014		40.3	0.00642	0.141	0.239	<0.00200	0.184	<0.00500	0.00983	4.32	0.00743	0.0715	<0.000200	0.00881	0.0999	<0.00500	<0.00500	0.0336	0.0370
	02/24/2015		0.037 J	0.0025	0.18	0.21	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	0.00077 J	0.0026 J	<0.000049	0.0014 J	<0.0049	<0.0074	<0.0028	0.012	0.019 J
	08/25/2015		0.0452 J	0.00279	0.167	0.208	<0.000160	0.00139 J	0.000337 J	0.000760 J	<0.0141	<0.000240	0.00253 J	<0.0000490	<0.00160	0.00240	<0.000380	<0.000310	0.00934 J	0.00438 J
	08/16/2016		0.00281 JB	0.00241	0.150	0.190	<0.000160	0.00199 JB	<0.000260	0.000854 JB	<0.0150	<0.000240	0.00134 JB	<0.0000490	0.00142 J	0.00143 JB	0.000387 J	<0.000310	0.00865 J	0.00380 J
	08/17/2017		0.00751 JB	0.00196 J	0.130	0.159	<0.000160	0.00103 J	<0.000260	0.000730 J	<0.0150	<0.000240	0.000893 J	<0.0000490	0.00161 J	0.0670	0.000652 J	<0.000310	0.00690 J	0.00439 J
	10/01/2018		0.00765 JB	0.00219	0.121	0.190 J	<0.000160	0.00267 B	<0.000260	0.00812	<0.0150	0.000354 JB	0.000828 JB	<0.0000490	0.00183 J	0.0219	0.000795 J	<0.000310	0.00585 J	0.0566
	10/24/2019		<0.00515	0.00238	0.122	0.184 J	<0.000160	0.00289	<0.000260	0.0144	<0.0150	0.000482 J	0.000636 J	<0.0000490	0.00214 J	0.0150	0.000956 JB	<0.000310	0.00609 J	0.130
	10/08/2020		<0.0554	0.00225	0.106	0.216	<0.000478	0.00593	<0.000477	0.0113	<0.0489	<0.00249	<0.00132	0.000100 J	0.00280 J	0.0109	<0.000657	<0.000513	<0.00754	0.105
	09/16/2021		0.0236 J	0.00209	0.103	0.205	<0.000150	0.00865	<0.0000596	0.00392 JB	<0.0281	<0.000849	<0.000704	<0.000100	0.00330 J	0.00983	<0.000300	<0.0000700	0.00889 J	0.0140 J
	10/13/2022		<0.0185	0.00203	0.126	0.172 J	<0.000150	0.00366	0.0000707 J	<0.00151	<0.0281	<0.000849	<0.000704	--(1)	0.00187 J	0.00439	0.000647 J	<0.0000700	0.00757 J	0.0164 J
	10/05/2023		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	04/04/2024		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
	04/03/2025		--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)	--(1)
MW-23	08/23/2010		0.237	<0.00500	0.245	0.157	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00669	<0.000200	<0.00500	0.00859	<0.00500	<0.00500	<0.00500	0.0570
	02/28/2011		<0.0100	<0.00500	0.164	0.151	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00831	<0.000200	<0.00500	0.00930	<0.00500	<0.00500	<0.00500	0.0463
	07/19/2011		<0.0100	<0.00500	0.272	0.181	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00647	<0.000200	<0.00500	0.00912	<0.00500	<0.00500	<0.00500	0.0213
	02/01/2012		0.0108	<0.00500	0.268	0.159	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00658	<0.000200	<0.00500	0.00714	<0.00500	<0.00500	<0.00500	0.0207
	07/26/2012		<0.0100	<0.00500	0.252	0.198	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0101
	02/26/2013		<0.0100	<0.00500	0.170	0.196	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00944	<0.000200	<0.00500	0.0155	<0.00500	<0.00500	<0.00500	0.0179
	08/21/2013		<0.0100	<0.00500	0.141	0.207	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0315	<0.000200	<0.00500	0.0286	<0.00500	<0.00500	0.00533	0.00919
	02/25/2014		<0.0100	<0.00500	0.162	0.198	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0486	<0.000200	<0.00500	0.0410	<0.00500	<0.00500	<0.00500	0.0224
	08/21/2014		0.0606	<0.00500	0.147	0.138	<0.00200	0.0129	<0.00500	<0.00500	<0.200	<0.00500	0.157	<0.000200	0.00522	0.0719	<0.00500	<0.00500	<0.00500	0.0104
	02/25/2015		0.042 J	0.0024	0.11	0.21	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	0.00031 J	<0.0012	<0.000049	0.0017 J	<0.0049	<0.0074	<0.0028	0.0052 J	0.046 J
	08/25/2015		<0.0350	0.00255	0.152	0.195 J	<0.000160	0.00188 J	<0.000260	0.00198 J	<0.0141	0.000316 J	0.00167 J	<0.0000490	<0.00160	0.00187 J	0.00147 J	<0.000310	0.00508 J	0.00494 J
	08/17/2016		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/01/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020																	
MW-23R	10/08/2020		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2021		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/2022		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/2023		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2024		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/2025		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-24	08/24/2010		0.187	<0.00500	0.0867	0.140	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00922
	02/28/2011		<0.0100	<0.00500	0.0878	0.154	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00634	<0.00500	<0.00500	<0.00500	0.0245
	07/14/2011		<0.0100	<0.00500	0.0932	0.173	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00543	<0.00500	<0.00500	<0.00500	0.0249
	02/01/2012		<0.0100	<0.00500	0.0946	0.127	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00760	<0.000200	<0.00500	0.00725	<0.00500	<0.00500	<0.00500	0.0101
	07/30/2012		<0.0100	<0.00500	0.0889	0.179	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00508	<0.000200	<0.00500	0.00758	<0.00500	<0.00500	<0.00500	0.0127
	07/30/2012	FD	<0.0100	<0.00500	0.0851	0.160	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00731	<0.00500	<0.00500	<0.00500	0.0155
	02/26/2013		<0.0100	<0.00500	0.0913	0.187	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0106	<0.000200	<0.00500	0.0165	<0.00500	<0.00500	<0.00500	0.0151
	08/21/2013		<0.0100	<0.00500	0.0856	0.183	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0146	<0.000200	<0.00500	0.0157	<0.00500	<0.00500	<0.00500	0.00684
	02/27/2014		0.0247	<0.00500	0.0803	0.197	<0.00200	0.0128	<0.00500	<0.00500	<0.200	<0.00500	0.0139	<0.000200	<0.00500	0.0213	<0.00500	<0.00500	<0.00500	0.0207
	08/21/2014		0.270	<0.00500	0.0901	0.117	<0.00200	0.258	<0.00500	0.00634	1.28	<0.00500	0.0383	<0.000200	0.00911	0.135	<0.00500	<0.00500	<0.00500	0.0114
	02/25/2015		0.040 J	0.0055	0.078	0.19 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0025 J	<0.0049	<0.0074	<0.0028	0.0026 J	0.013 J
	08/25/2015		<0.0350	0.00600	0.0765	0.177 J	<0.000160	<0.000540	<0.000260	0.000742 J	<0.0141	<0.000240	0.000287 J	<0.0000490	0.00185 J	0.000580 J	0.00102 J	<0.000310	0.00239 J	0.00575 J
	08/16/2016		0.00364 JB	0.00606	0.0725	0.168	<0.000160	0.00155 JB	<0.000260	0.00302 JB	0.0247 JB	<0.000240	0.000485 JB	<0.0000490	0.00290 J	0.000402 JB	0.00140 J	<0.000310	0.00237 J	0.00752 J
	08/17/2017		0.0133 JB	0.00539	0.0724	0.137	<0.000160	0.00205	<0.000260	0.00136 J	<0.0150	<0.000240	0.000648 J	<0.0000490	0.00245 J	0.00205 B	0.00140 J	<0.000310	0.00209 J	0.00720 J
	10/01/2018		0.0128 JB	0.00565	0.0801	0.136 J	<0.000160	0.00110 JB	<0.000260	0.00636 B	<0.0150	0.000379 JB	0.00140 JB	<0.0000490	0.00228 J	0.0114	0.000648 J	<0.000310	0.00283 J	0.150
	10/24/2019		<0.00515	0.00556	0.0794	0.152 J	<0.000160	0.00101 JB	<0.000260	0.00158 JB	<0.0150	0.000342 J	0.00107 J	0.0000560 JB	0.00279 J	0.00167 J	0.000408 JB	<0.000310	0.00298 J	0.0285
	10/08/2020		<0.0554	0.00547	0.0854	0.166 J	<0.000478	0.00362	<0.000477	<0.00250	<0.0489	<0.00249	0.00401 J	0.000100 J	0.00244 J	0.00104 J	<0.000657	<0.000513	<0.00754	0.0192 J
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021																	
MW-24R	09/16/2021		0.0434 J	0.00479	0.0812	0.132 J	<0.000150	0.0224	<0.0000596	0.00269 JB	<0.0281	<0.000849	<0.000704	<0.000100	0.00939	0.00426	0.00235	<0.0000700	0.00226 J	0.0110 J
	10/13/2022		<0.0185	0.00576	0.0838	0.126 J	<0.000150	0.0148	<0.0000596	0.00281 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00237 J	0.00167 J	0.00251	<0.0000700	0.00221 J	0.0321
	10/05/2023		0.0190 J	0.00532	0.0813	0.131 J	<0.000150	0.00665	0.0000597 J	0.00199 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00246 J	0.00195 J	0.00138 J	<0.0000700	0.00277 J	0.0436
	04/04/2024		0.0954 J	0.00571	0.0797	0.139 J	<0.000150	0.00515	0.0000819 J	0.00346 J	0.0756 J	<0.000849	0.00212 J	<0.000100 [R]	0.00233 J	0.00112 J	0.00371	<0.0000700	0.00225 J	0.0163 J
	04/03/2025		<0.0160	0.00542	0.0860	0.131 J	<0.000120	0.00272	<0.000100	0.00405 J	<0.0226	0.00181 J	<0.000700	<0.0000700	0.00226 J	0.00115 J	0.00284	<0.000110	0.00205	0.0294

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-25	08/23/2010		0.244	<0.00500	0.246	0.174	<0.00200	0.0476	<0.00500	<0.00500	<0.200	<0.00500	0.0109	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0194
	02/28/2011		<0.0100	<0.00500	0.205	0.198	<0.00200	0.0537	<0.00500	<0.00500	<0.200	<0.00500	0.00715	<0.000200	<0.00500	0.00516	<0.00500	<0.00500	0.00535	0.0424
	07/18/2011		0.0444	<0.00500	0.186	0.173	<0.00200	0.00732	<0.00500	<0.00500	<0.200	<0.00500	0.00608	<0.000200	<0.00500	0.00832	<0.00500	<0.00500	<0.00500	0.00556
	02/01/2012		<0.0100	<0.00500	0.228	0.175	<0.00200	0.00744	<0.00500	<0.00500	<0.200	<0.00500	0.00804	<0.000200	<0.00500	0.00708	<0.00500	<0.00500	0.00602	0.00582
	07/26/2012		<0.0100	<0.00500	0.178	0.220	<0.00200	0.00961	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0102
	02/26/2013		<0.0100	<0.00500	0.149	0.241	<0.00200	0.00822	<0.00500	<0.00500	<0.200	<0.00500	0.0104	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00807	0.0148
	08/22/2013		<0.0100	<0.00500	0.224	0.262	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0122	<0.000200	<0.00500	0.0210	<0.00500	<0.00500	0.00862	<0.00500
	08/22/2013	FD	<0.0100	<0.00500	0.226	0.263	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0127	<0.000200	<0.00500	0.0210	<0.00500	<0.00500	0.00860	0.00607
	02/26/2014		<0.0100	<0.00500	0.220	0.231	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00881	<0.000200	<0.00500	0.00775	<0.00500	<0.00500	0.00724	0.0210
	02/26/2014	FD	<0.0100	<0.00500	0.213	0.218	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00882	<0.000200	<0.00500	0.00701	<0.00500	<0.00500	0.00645	0.0205
	08/19/2014		0.285	<0.00500	0.198	0.265	<0.00200	0.154	<0.00500	<0.00500	0.814	<0.00500	0.0456	<0.000200	0.00573	0.100	<0.00500	<0.00500	0.00749	0.0106
	08/19/2014	FD	0.291	<0.00500	0.201	0.263	<0.00200	0.185	<0.00500	0.00504	0.968	<0.00500	0.0511	<0.000200	0.00638	0.113	<0.00500	<0.00500	0.00764	0.0120
	02/25/2015		0.13	0.0023	0.20	0.23	<0.00070	0.0016 J	<0.0023	<0.0053	<0.014	0.00050 J	<0.0012	<0.000049	0.0029 J	0.0056 J	<0.0074	<0.0028	0.0078 J	0.0086 J
	02/25/2015	FD	<0.035	0.0023	0.20	0.22	<0.00070	0.0017 J	<0.0023	<0.0053	<0.014	0.00026 J	<0.0012	<0.000049	0.0011 J	0.0054 J	<0.0074	<0.0028	0.0080 J	0.014 J
	08/25/2015		<0.0350	0.00287	0.227	0.216	<0.000160	0.00160 J	0.00119 J	<0.000520	<0.0141	<0.000240	0.00279 J	<0.0000490	<0.00160	0.00514	0.00109 J	<0.000310	0.00732 J	0.00472 J
	08/25/2015	FD	<0.0350	0.00296	0.231	0.214	<0.000160	0.00170 J	0.00113 J	0.00103 J	<0.0141	<0.000240	0.00287 J	<0.0000490	<0.00160	0.00528	0.00102 J	<0.000310	0.00748 J	0.00497 J
	03/09/2016		0.00206 JB	0.00229	0.301	0.214	<0.000160	0.000609 J	0.00141 J	0.000781 J	0.0403 J	<0.000240	0.0386	<0.0000490	0.00171 JB	0.00572 B	0.00054 J	<0.000310	0.00852 J	0.00590 JB
	08/16/2016		0.00850 JB	0.00248	0.285	0.228	<0.000160	0.00166 JB	0.00171 J	0.00107 JB	0.0293 JB	<0.000240	0.0314	<0.0000490	0.00139 J	0.00617	0.000689 J	<0.000310	0.00928 J	0.00584 J
	08/16/2016	FD	0.00458 JB	0.00262	0.284	0.223	<0.000160	0.00155 JB	0.00179 J	0.000790 JB	0.0474 JB	<0.000240	0.0326	<0.0000490	0.00131 J	0.00570	0.000791 J	<0.000310	0.00939 J	0.00627 J
	02/07/2017		<0.0258	0.00261 J	0.322	0.227	<0.000800	<0.00270	0.00382 J	0.00406 J	<0.0750	<0.00120	0.0478	<0.0000490	0.00306 J	0.0165	0.000505 J	<0.00155	0.0104 J	<0.0128
	08/16/2017		0.00773 JB	0.00227	0.206	0.171	<0.000160	0.00158 J	0.00522	0.00310 J	<0.0150	<0.000240	<0.000250	0.0000544 J	0.00113 J	0.0556	0.00162 J	<0.000310	0.00588 J	0.0276
	08/16/2017	FD	0.00864 JB	0.00242	0.210	0.181	<0.000160	0.00153 J	0.00520	0.00289 J	<0.0150	<0.000240	<0.000250	<0.0000490	0.00124 J	0.0551	0.00128 J	<0.000310	0.00606 J	0.0262
	04/05/2018		<0.00515	0.00232 B	0.293	0.234	<0.000160	0.00101 JB	0.0114	0.00712	<0.0150	<0.000240	0.00523	<0.0000490	0.00158 JB	0.0125	0.00112 JB	<0.000310	0.00814 J	0.0133 J
	04/05/2018	FD	0.102	0.00226 B	0.299	0.229	<0.000160	0.000990 JB	0.0117	0.00671	0.0304 J	0.000307 JB	0.00709	<0.0000490	0.00121 JB	0.0120	0.00107 JB	<0.000310	0.00828 J	0.0153 J
	10/01/2018		0.0144 JB	0.00260	0.177	0.210	<0.000160	0.00110 JB	0.00874	0.00398 JB	<0.0150	0.000733 JB	0.0225	<0.0000490	0.00111 J	0.0123	0.000987 J	<0.000310	0.00919 J	0.00965 JB
	10/01/2018	FD	<0.00515	0.00246	0.192	0.209	<0.000160	0.000896 J	0.00925	0.00468 J	<0.0150	0.000421 J	0.0221	<0.0000490	0.00111 J	0.0122	0.000917 J	<0.000310	0.0101	0.00804 J
	04/04/2019		0.00661 JB	0.00262	0.195	0.225	<0.000160	<0.000540	0.00634	0.00495 J	<0.0150	0.000358 J	0.0317	<0.0000490	0.00163 J	0.0120	0.000430 J	<0.000310	0.00984 J	0.00846 J
	04/04/2019	FD	<0.00515	0.00243	0.184	0.139 J	<0.000160	<0.000540	0.00605	0.00384 J	<0.0150	0.000480 J	0.0377	<0.0000490	0.00118 J	0.0106	0.000395 J	<0.000310	0.00927 J	0.00656 J
	10/24/2019		<0.00515	0.00264	0.223	0.230	<0.000160	0.000564 JB	0.0124	0.0791	<0.0150	0.00292	0.0597	0.0000625 JB	0.00130 J	0.0149	0.00122 JB	<0.000310	0.0102	0.234
	10/24/2019	FD	<0.00515	0.00261	0.235	0.242	<0.000160	0.000541 J	0.0121	0.0867	<0.0150	0.00509	0.0758	0.0000660 JB	0.00137 J	0.0162	0.000627 J	<0.000310	0.00970 J	0.212
	06/18/2020		<0.0554	0.00274	0.127	0.297	<0.000478	<0.00149	0.0158	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00121 J	0.0104	<0.000657	<0.000513	0.0115 J	<0.00996
	10/08/2020		<0.0554	0.00233	0.126	0.275	<0.000478	<0.00149	0.00930	0.00324 J	<0.0489	<0.00249	0.0112	0.000108 J	0.00101 J	0.0189	<0.000657	<0.000513	0.00881 J	0.0261
	04/15/2021		<0.0185	0.00209	0.142	0.258	<0.000150	<0.00124	0.00562	0.00281 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00123 J	0.00763	<0.000300	<0.0000700	0.0102 J	0.00447 JB
	06/09/2021		PLUGGED AND ABANDONED JUNE 2021																	

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater
HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-26	08/24/2010		0.115	<0.00500	0.131	0.169	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0156	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0254
	02/28/2011		<0.0100	<0.00500	0.110	0.187	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00890	<0.000200	<0.00500	0.00734	<0.00500	<0.00500	0.00602	0.0328
	07/14/2011		<0.0100	<0.00500	0.0994	0.192	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00679	<0.000200	<0.00500	0.00792	<0.00500	<0.00500	0.00546	0.00949
	02/01/2012		<0.0100	<0.00500	0.0854	0.163	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0122	<0.000200	<0.00500	0.0133	<0.00500	<0.00500	<0.00500	0.00949
	07/26/2012		0.0121	<0.00500	0.0966	0.214	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00694	<0.000200	<0.00500	0.00568	<0.00500	<0.00500	0.00559	0.0117
	02/26/2013		0.0134	<0.00500	0.103	0.189	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0635	<0.000200	<0.00500	0.0558	<0.00500	<0.00500	<0.00500	0.0233
	08/22/2013		0.0319	<0.00500	0.0910	0.209	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0174	<0.000200	<0.00500	0.00539	<0.00500	<0.00500	0.00577	0.00877
	02/26/2014		0.0236	<0.00500	0.0739	0.198	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00979	<0.000200	<0.00500	0.0128	<0.00500	<0.00500	0.00583	<0.00500
	08/21/2014		0.132	0.00816	0.138	0.167	<0.00200	0.0152	<0.00500	<0.00500	<0.200	<0.00500	0.00938	<0.000200	<0.00500	0.00900	<0.00500	<0.00500	0.00548	0.00770
	02/25/2015		0.051 J	0.0024	0.099	0.18 J	<0.00070	<0.0014	<0.0023	<0.0053	0.058 J	<0.00024	0.0022 J	<0.000049	0.0011 J	<0.0049	<0.0074	<0.0028	0.0041 J	0.015 J
	08/25/2015		<0.0350	0.00263	0.0990	0.181 J	<0.000160	0.000822 J	0.000366 J	0.000593 J	<0.0141	<0.000240	0.00175 J	<0.0000490	<0.00160	0.00104 J	<0.000380	<0.000310	0.00440 J	0.00418 J
	08/17/2016		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/01/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/13/2020		DRY WELL - PLUGGED AND ABANDONED AUGUST 2020																	
MW-26R	10/08/2020		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2021		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/2022		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/2023		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2024		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/03/2025		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-27	08/18/2010		0.218	<0.00500	0.100	0.152	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0534	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00544	0.0453
	02/25/2011		<0.0100	<0.00500	0.0985	0.139	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0336	<0.000200	<0.00500	0.00769	<0.00500	<0.00500	0.00625	0.0294
	07/20/2011		0.0378	<0.00500	0.112	0.165	<0.00200	0.0353	<0.00500	<0.00500	0.393	<0.00500	0.0179	<0.000200	<0.00500	0.0415	<0.00500	<0.00500	0.00571	0.0121
	02/01/2012		<0.0100	<0.00500	0.0902	0.126	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00556	<0.00800	<0.00500	0.00533	<0.00500	<0.00500	<0.00500	0.0121
	07/26/2012		0.0155	<0.00500	0.118	0.172	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00587	<0.000200	<0.00500	0.00737	<0.00500	<0.00500	<0.00500	0.0117
	02/26/2013		<0.0100	<0.00500	0.120	0.184	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0586	<0.000200	0.00513	0.0593	<0.00500	<0.00500	<0.00500	0.0104
	08/20/2013		0.0440	<0.00500	0.162	0.222	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0239	<0.000200	<0.00500	0.0189	<0.00500	<0.00500	0.00899	<0.00500
	02/27/2014		<0.0100	<0.00500	0.139	0.232	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0134	<0.000200	<0.00500	0.0286	<0.00500	<0.00500	0.00680	0.00624
	08/21/2014		0.210	<0.00500	0.126	0.160	<0.00200	0.0447	<0.00500	<0.00500	0.278	<0.00500	0.0636	<0.000200	<0.00500	0.0592	<0.00500	<0.00500	0.00648	0.0182
	02/27/2015		<0.035	0.0033	0.084	0.30	<0.00070	0.0038 J	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0029 J	<0.0049	0.0080 J	<0.0028	0.0098 J	<0.0059
	08/26/2015		<0.0350	0.00353	0.0571	0.264	<0.000160	0.00256	<0.000260	0.000627 J	<0.0141	<0.000240	0.00206 J	<0.0000490	0.0139	0.00405	0.00318	<0.000310	0.00550 J	<0.00256
	03/08/2016		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/2016		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/2017		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/05/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/01/2018		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/24/2019		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	06/18/2020		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/08/2020		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/15/2021		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/16/2021		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/14/2022		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/13/2022		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/23/2023		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/05/2023		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/04/2024		REMOVED FROM MONITORING PROGRAM																	
	10/17/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024																	

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-28	08/24/2010		0.129	<0.00500	0.0846	0.153	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	08/28/2010		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	02/23/2011		<0.0100	<0.00500	0.0923	0.147	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0190
	07/14/2011		<0.0100	<0.00500	0.103	0.172	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00658	<0.000200	<0.00500	0.00696	<0.00500	<0.00500	<0.00500	0.0113
	01/30/2012		<0.0100	<0.00500	0.0746	0.152	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0113
	07/24/2012		<0.0100	<0.00500	0.0830	0.204	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00812
	02/19/2013		<0.0100	<0.00500	0.0883	0.174	<0.00200	<0.00500	<0.00500	0.203	<0.200	<0.00500	0.0275	<0.000200	0.0100	<0.00500	<0.00500	<0.00500	<0.00500	0.0466
	08/20/2013		<0.0100	<0.00500	0.0790	0.168	<0.00200	<0.00500	<0.00500	0.0101	<0.200	<0.00500	0.00874	<0.000200	<0.00500	0.00561	<0.00500	<0.00500	<0.00500	0.0168
	02/24/2014		<0.0100	<0.00500	0.0836	0.180	<0.00200	<0.00500	<0.00500	0.00514	<0.200	<0.00500	0.00509	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00674
	08/19/2014		0.947	<0.00500	0.106	0.205	<0.00200	0.0238	<0.00500	0.0396	0.760	<0.00500	0.0128	<0.000200	<0.00500	0.0129	<0.00500	<0.00500	<0.00500	0.0335
	02/23/2015		<0.035	0.0040	0.090	0.17 J	<0.00070	<0.0014	<0.0023	0.0055 J	<0.014	<0.00024	<0.0012	<0.000049	0.0018 J	<0.0049	<0.0074	<0.0028	0.0025 J	0.017 J
	08/27/2015		<0.0350	0.00433	0.0849	0.171	<0.000160	<0.000540	<0.000260	0.00598	0.0385 J	<0.000240	0.000680 J	<0.0000490	0.00186 J	<0.000350	0.00220	<0.000310	0.00238 J	0.00393 J
	03/07/2016		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/15/2016		0.00413 JB	0.00448	0.0819	0.167	<0.000160	0.00104 JB	<0.000260	0.00860	0.0226 JB	<0.000240	0.000376 JB	<0.0000490	0.00221 J	0.000525 JB	0.00268	<0.000310	0.00266 J	0.00540 J
	02/06/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		0.0112 JB	0.00383	0.0715	0.136	<0.000160	<0.000540	<0.000260	0.00523	<0.0150	<0.000240	<0.000250	<0.0000490	0.00227 J	0.00178 JB	0.00158 J	<0.000310	0.00252 J	0.00955 J
	04/05/2018		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/01/2018		0.0229 JB	0.00430	0.0754	0.135 J	<0.000160	0.000809 JB	<0.000260	0.00409 JB	<0.0150	<0.000240	0.000260 JB	<0.0000490	0.00187 J	0.00286	0.00237	<0.000310	0.00250 J	0.0226 JB
	04/04/2019		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/24/2019		<0.00515	0.00394	0.0920	0.144 J	<0.000160	0.000804 J	<0.000260	0.00468 J	<0.0150	0.000284 J	0.00166 J	0.0000569 JB	0.00182 J	0.00149 J	0.00177 J	<0.000310	0.00242 J	0.0290
	06/18/2020		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/08/2020		<0.0554	0.00389	0.111	0.167 J	<0.000478	<0.00149	<0.000477	0.00502	<0.0489	<0.00249	0.00169 J	<0.000100 [R]	0.00292 J	0.00132 J	0.00216	<0.000513	<0.00754	0.0305
	04/15/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	09/16/2021		0.0243 J	0.00393	0.105	0.166 J	<0.000150	<0.00124	<0.0000596	0.00567 B	0.0285 JB	<0.000849	<0.000704	<0.000100	0.00195 J	<0.000816	0.00243	<0.0000700	0.00254 J	0.00556 J
	04/14/2022		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/13/2022		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	03/23/2023		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	04/04/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	10/03/2024		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	10/21/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024																	
MW-28R	04/03/2025		0.0684 J	0.00366	0.0479	0.189 J	<0.000120	<0.000900	0.000118 J	0.00145 J	0.0467 J	0.00195 J	0.00505	<0.0000700	0.0434	0.000680 J	0.00240	<0.000110	0.000199 J	0.00478 J
	10/09/2025		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-29	08/24/2010		0.0261	<0.00500	0.0644	0.189	<0.00200	0.0317	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0375
	08/24/2010	FD	<0.0100	<0.00500	0.0652	0.186	<0.00200	0.0321	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0301
	02/28/2011		<0.0100	<0.00500	0.0630	0.195	<0.00200	0.0694	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0267
	07/14/2011		<0.0100	<0.00500	0.0652	0.189	<0.00200	0.162	<0.00500	<0.00500	<0.200	<0.00500	0.00532	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0240
	01/30/2012		<0.0100	<0.00500	0.0580	0.181	<0.00200	0.106	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0240
	07/24/2012		<0.0100	<0.00500	0.0978	0.249	<0.00200	0.261	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0162
	02/26/2013		<0.0100	<0.00500	0.0857	0.182	<0.00200	0.0690	<0.00500	<0.00500	<0.200	<0.00500	0.0471	<0.000200	<0.00500	0.0334	<0.00500	<0.00500	<0.00500	0.0132
	08/20/2013		<0.0100	<0.00500	0.0738	0.187	<0.00200	0.117	<0.00500	<0.00500	<0.200	<0.00500	0.0159	<0.000200	<0.00500	0.00667	<0.00500	<0.00500	<0.00500	<0.00500
	02/27/2014		<0.0100	<0.00500	0.0725	0.171	<0.00200	0.250	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0115
	02/27/2014	FD	<0.0100	<0.00500	0.0764	0.183	<0.00200	0.261	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00739
	08/20/2014		0.188	<0.00500	0.106	0.134	<0.00200	0.331	<0.00500	<0.00500	0.697	<0.00500	0.0754	<0.000200	0.00594	0.0777	<0.00500	<0.00500	<0.00500	0.00902
	02/25/2015		<0.035	0.0020	0.13	0.26	<0.00070	0.24	<0.0023	<0.0053	<0.014	<0.00024	<0.0012	<0.000049	0.0012 J	<0.0049	<0.0074	<0.0028	0.0062 J	0.013 J
	08/27/2015		<0.0350	0.00246	0.0884	0.238	<0.000160	0.130	<0.000260	0.000784 J	<0.0141	<0.000240	0.00153 J	<0.0000490	0.00111 J	0.000629 J	0.00169 J	<0.000310	0.00641 J	0.00333 J
	03/08/2016		0.00829 JB	0.00465	0.0757	0.165	<0.000160	0.00111 J	<0.000260	0.000558 J	<0.0150	<0.000240	0.000652 JB	<0.0000490	0.00482 J	0.00069 JB	0.00190 J	<0.000310	0.00213 J	<0.00256
	08/17/2016		<0.00200	0.00253	0.0851	0.204	<0.000160	0.00897	<0.000260	0.000863 JB	<0.0150	<0.000240	0.00135 JB	<0.0000490	0.00204 J	0.00119 JB	0.00140 J	<0.000310	0.00380 J	0.00330 JB
	02/09/2017		<0.0258	0.00263 J	0.0932	0.203	<0.000800	0.00552 J	<0.00130	0.00328 J	<0.0750	<0.00120	0.0150 J	<0.0000490	0.00291 J	0.00524 J	0.00148 J	<0.00155	0.00391 J	<0.0128
	08/17/2017		0.00798 JB	0.00242	0.0870	0.172	<0.000160	0.0178	<0.000260	0.00489 J	<0.0150	<0.000240	0.000305 J	<0.0000490	0.00200 J	0.00567	0.00181 J	<0.000310	0.00451 J	0.0308
	04/05/2018		<0.00515	0.00299	0.174	0.215	<0.000160	0.0268	<0.000260	0.00876	<0.0150	0.000398 JB	0.000735 JB	<0.0000490	0.00174 JB	0.0427	0.00163 JB	<0.000310	0.00571 J	0.162
	10/01/2018		<0.00515	0.00307	0.256	0.193 J	<0.000160	0.0293	<0.000260	0.00362 J	<0.0150	<0.000240	0.00110 J	<0.0000490	0.00122 J	0.00607	0.00193 J	<0.000310	0.00618 J	0.0644
	04/04/2019		0.0106 JB	0.00252	0.109	0.203	<0.000160	0.0171	<0.000260	0.00635	<0.0150	<0.000240	0.000417 J	<0.0000490	0.00157 J	0.00320	0.00116 J	<0.000310	0.00448 J	0.0829
	10/24/2019		<0.00515	0.00227	0.117	0.193 J	<0.000160	0.0528	<0.000260	0.00457 J	<0.0150	<0.000240	0.00139 J	0.0000693 JB	0.00144 J	0.00230	0.00168 J	<0.000310	0.00539 J	0.0628
	10/24/2019	FD	<0.00515	0.00230	0.113	0.207	<0.000160	0.0560	<0.000260	0.00949	<0.0150	0.000462 J	0.00170 J	0.0000681 JB	0.00145 J	0.00382	0.00161 J	<0.000310	0.00535 J	0.0811
	06/18/2020		<0.0554	0.00259	0.0880	0.194 J	<0.000478	0.0163	<0.000477	0.00330 J	<0.0489	<0.00249	<0.00132	<0.000100	0.00169 J	0.00189 J	0.00136 J	<0.000513	<0.00754	0.0215 J
	10/08/2020		<0.0554	0.00296	0.0672	0.177 J	<0.000478	0.00364	<0.000477	0.00283 J	<0.0489	<0.00249	<0.00132	<0.000100 [R]	0.00217 J	<0.000952	0.00178 J	<0.000513	<0.00754	0.0271
	04/15/2021		<0.0185	0.00241	0.0834	0.191 J	<0.000150	0.00334	<0.0000596	0.00235 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00185 J	0.00125 J	0.00137 J	<0.0000700	0.00355 J	0.0101 JB
	09/16/2021		<0.0185	0.00464	0.133	0.188 J	0.000543 J	0.00141 J	0.0000838 J	0.00757 B	<0.0281	<0.000849	0.00807	<0.000100	0.00263 J	0.00309	0.00137 J	<0.0000700	0.00361 J	0.0788
	04/14/2022		<0.0185	0.00265	0.182	0.210	<0.000150	0.0425	<0.0000596	0.00253 J	<0.0281	<0.000849	0.000863 JB	<0.000100	0.00190 J	0.00171 J	0.00159 J	<0.0000700	0.00689 J	0.0241 J
	10/13/2022		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	03/23/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	04/04/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	10/03/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	10/16/2024		DRY WELL - PLUGGED AND ABANDONED OCTOBER 2024																	
MW-29R	04/03/2025		<0.0160	0.00189 J	0.0969	0.173 J	<0.000120	0.00634	0.000327 J	0.00278 J	<0.0226	0.00190 J	0.0782	<0.0000700	0.00710	0.00149 J	0.00242	<0.000110	0.00218	0.00511 J
	10/09/2025		<0.0160	0.00261	0.0789	0.170 J	<0.000120	0.0110	<0.000100	0.00137 J	<0.0226	0.000772 JB	0.00108 J	<0.0000700	0.00427 J	<0.000500	0.00209	<0.000110	0.00202	<0.00400

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-30	06/21/2013		0.0436	0.00588	0.0424	0.164	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	0.00913	<0.00500	0.00554	<0.00500	<0.00500	<0.00500
	08/20/2013		<0.0100	<0.00500	0.0761	0.159	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0589	<0.000200	<0.00500	0.0263	<0.00500	<0.00500	<0.00500	<0.00500
	02/27/2014		0.0201	<0.00500	0.0672	0.180	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0644	<0.000200	0.00588	0.0516	<0.00500	<0.00500	<0.00500	<0.00500
	08/22/2014		0.132	<0.00500	0.0736	<0.0200	<0.00200	0.0137	<0.00500	<0.00500	<0.200	<0.00500	0.148	<0.000200	0.00597	0.0485	<0.00500	<0.00500	<0.00500	<0.00500
	02/25/2015		0.077 J	0.0043	0.073	0.16 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	0.0066 J	<0.000049	0.0027 J	<0.0049	<0.0074	<0.0028	0.0018 J	<0.0059
	08/28/2015		<0.0350	0.00478	0.0757	0.163	<0.000160	<0.000540	<0.000260	0.000922 J	<0.0141	<0.000240	0.00315 J	<0.0000490	0.00248 J	0.00109 J	0.00177 J	<0.000310	0.00203 J	<0.00256
	03/08/2016		0.00402 JB	0.00375	0.0711	0.152	<0.000160	0.0032	<0.000260	0.000933 J	<0.0150	<0.000240	0.000911 JB	<0.0000490	0.00219 J	0.000955 JB	0.00253	<0.000310	0.00187 J	<0.00256
	03/08/2016	FD	0.00986 JB	0.00457	0.071	0.154	<0.000160	0.00148 J	<0.000260	0.00123 JB	<0.0150	0.000299 JB	0.000664 JB	<0.0000490	0.00479 J	0.000797 JB	0.00175 J	0.000842 J	0.00197 J	0.00268 JB
	08/16/2016		0.00299 JB	0.00476	0.0734	0.175	<0.000160	0.00110 JB	<0.000260	<0.000520	<0.0150	<0.000240	0.00222 JB	<0.0000490	0.00263 J	0.000470 JB	0.00198 J	<0.000310	0.00223 J	<0.00256
	08/16/2016	FD	0.0189 JB	0.00479	0.0733	0.175	<0.000160	0.00110 JB	<0.000260	0.00371 JB	<0.0150	<0.000240	0.00228 JB	<0.0000490	0.00252 J	0.000495 JB	0.00210	<0.000310	0.00224 J	<0.00256
	02/09/2017		<0.0258	0.00428 J	0.0852	0.182	<0.000800	<0.00270	<0.00130	0.00675 J	<0.0750	<0.00120	0.0332	<0.0000490	0.00302 J	0.00266 J	0.00191 J	<0.00155	0.00227 J	<0.0128
	08/16/2017		0.0259 JB	0.00436	0.0735	0.159	<0.000160	0.00104 J	<0.000260	0.000947 J	<0.0150	<0.000240	0.000987 J	<0.0000490	0.00229 J	0.00289	0.00205	<0.000310	0.00216 J	0.00591 J
	08/16/2017	FD	0.0132 JB	0.00431	0.0727	0.158	<0.000160	0.00103 J	<0.000260	0.000862 J	<0.0150	<0.000240	0.000551 JB	<0.0000490	0.00218 J	0.00280	0.00196 J	<0.000310	0.00213 J	0.00628 J
	04/05/2018		<0.00515	0.00457	0.0723	0.184 J	<0.000160	0.000946 JB	<0.000260	0.00170 JB	<0.0150	<0.000240	0.000941 JB	<0.0000490	0.00218 JB	0.00870	0.00199 JB	<0.000310	0.00217 JB	0.0335
	10/01/2018		0.00689 J	0.00486	0.0819	0.154 J	<0.000160	0.000984 J	<0.000260	0.00169 J	<0.0150	<0.000240	0.000769 J	<0.0000490	0.00231 J	0.00755	0.00205	<0.000310	0.00223 J	0.0432
	10/01/2018	FD	0.00560 J	0.00421	0.0843	0.145 J	<0.000160	0.00111 J	<0.000260	0.00121 J	<0.0150	<0.000240	0.000398 J	<0.0000490	0.00243 J	0.00804	0.00218	<0.000310	0.00234 J	0.0449
	04/04/2019		<0.00515	0.00424	0.0850	0.181 J	<0.000160	0.00225	<0.000260	0.00232 J	<0.0150	<0.000240	0.000363 J	<0.0000490	0.00240 J	0.00473	0.00215	<0.000310	0.00223 J	0.0511
	10/24/2019		0.00831 J	0.00381	0.0903	0.171 J	<0.000160	0.00162 J	<0.000260	0.00273 J	<0.0150	<0.000240	0.00286 J	0.0000605 JB	0.00199 J	0.00417	0.00174 J	<0.000310	0.00208 J	0.0682
	10/24/2019	FD	<0.00515	0.00414	0.0871	0.174 J	<0.000160	0.00245	<0.000260	0.00275 J	<0.0150	<0.000240	0.000416 J	0.0000596 JB	0.00198 J	0.00409	0.00179 J	<0.000310	0.00206 J	0.0528
	06/18/2020		<0.0554	0.00408	0.0896	0.182 J	<0.000478	0.00542	<0.000477	0.00274 J	<0.0489	<0.00249	<0.00132	<0.000100	0.00208 J	0.00435	0.00207	<0.000513	<0.00754	0.0437
	10/08/2020		<0.0554	0.00417	0.0863	0.187 J	<0.000478	0.00718	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	0.000101 J	0.00223 J	0.00157 J	0.00186 J	<0.000513	<0.00754	0.0314
	04/15/2021		0.0293 JB	0.00423	0.0928	0.185 J	<0.000150	0.0145	<0.0000596	0.00327 J	<0.0281	<0.000849	0.00326 JB	<0.000100	0.00226 J	0.00207	0.00191 J	<0.0000700	0.00220 J	0.00496 JB
	09/16/2021		<0.0185	0.00428	0.0914	0.177 J	<0.000150	0.0166	<0.0000596	<0.00151	<0.0281	<0.000849	<0.000704	<0.000100	0.00228 J	0.00194 J	0.00199 J	<0.0000700	0.00203 J	0.0118 J
	04/14/2022		0.0333 J	0.00423	0.108	0.176 J	<0.000150	0.0229	<0.0000596	0.00178 J	<0.0281	<0.000849	0.00112 JB	<0.000100	0.00213 J	0.00325	0.00191 J	<0.0000700	0.00223 J	0.00903 J
	10/13/2022		<0.0185	0.00427	0.106	0.166 J	<0.000150	0.0279	<0.0000596	0.00244 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00208 J	0.00358	0.00175 J	<0.0000700	0.00216 J	0.0258
	03/23/2023		<0.0185	0.00410	0.112	0.184 J	0.000286 J	0.0314	0.000135 J	0.00529	<0.0281	<0.000849	0.0164	<0.000100	0.00202 J	0.00238	0.00196 J	<0.0000700	0.00209 J	0.0156 J
	10/05/2023		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	04/04/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	10/03/2024		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	04/03/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]
	10/09/2025		--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]	--[1]

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-32	06/15/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	06/15/2017	FD	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		0.0212 JB	0.00332	0.188	0.564	<0.000160	<0.000540	0.00108 J	0.000684 J	<0.0150	<0.000240	0.536	<0.0000490	0.0141	0.00430	<0.000380	<0.000310	0.00888 J	0.00320 J
	04/05/2018		0.00732 JB	0.00281	0.244	0.253	<0.000160	0.000888 JB	0.000847 JB	0.00193 JB	<0.0150	<0.000240	0.772	<0.0000490	0.00489 J	0.0195	0.000443 JB	<0.000310	0.0166	0.0122 J
	10/01/2018		0.00589 J	0.00652	0.176	0.0321 J	<0.000160	<0.000540	<0.000260	0.000794 J	<0.0150	0.000283 J	0.0499	<0.0000490	0.00348 J	0.00357	<0.000380	<0.000310	0.00146 J	<0.00256
	10/01/2018	FD	0.0111 J	0.00619	0.179	0.0332 J	<0.000160	<0.000540	0.000302 J	0.00105 J	<0.0150	0.000273 J	0.0561	<0.0000490	0.00350 J	0.00382	<0.000380	<0.000310	0.00148 J	<0.00256
	04/04/2019		0.00526 JB	0.00198 J	0.384	0.184 J	<0.000160	<0.000540	0.00109 J	0.00918	<0.0150	<0.000240	0.349	<0.0000490	0.00259 J	0.00792	<0.000380	<0.000310	0.00751 J	0.0128 J
	10/24/2019		<0.00515	0.00353	0.341	0.188 J	<0.000160	<0.000540	0.000415 J	0.00397 J	<0.0150	<0.000240	0.278	0.0000640 JB	0.00197 J	0.0150	0.000492 J	<0.000310	0.00884 J	0.0379
	10/24/2019	FD	<0.00515	0.00342	0.345	0.213	<0.000160	<0.000540	0.000372 J	0.00418 J	<0.0150	<0.000240	0.262	0.0000644 JB	0.00209 J	0.0130	<0.000380	<0.000310	0.00883 J	0.0405
	06/18/2020		<0.0554	0.00323	0.454	0.207	<0.000478	<0.00149	<0.000477	0.00255 J	<0.0489	<0.00249	0.0616	<0.000100	0.00132 J	0.00557	<0.000657	<0.000513	0.00769 J	0.0147 J
	10/08/2020		<0.0554	0.00317	0.372	0.168 J	<0.000478	<0.00149	0.000936 J	<0.00250	<0.0489	<0.00249	0.207	<0.000100 [R]	0.00263 J	0.00427	<0.000657	<0.000513	<0.00754	0.0141 J
	10/08/2020	FD	<0.0554	0.00329	0.370	0.162 J	<0.000478	<0.00149	0.000654 J	0.00316 J	<0.0489	<0.00249	0.160	0.000106 J	0.00260 J	0.00408	<0.000657	<0.000513	<0.00754	0.103
	04/15/2021		0.284	0.00395	0.440	0.142 J	<0.000150	<0.00124	<0.0000596	0.00584	<0.0281	<0.000849	0.00436 JB	<0.000100	0.00131 J	0.00425	0.000466 J	<0.0000700	0.00609 J	0.0241 J
	04/15/2021	FD	<0.0185	0.00421	0.426	0.141 J	<0.000150	<0.00124	0.0000794 J	0.00591 B	<0.0281	<0.000849	0.0111	<0.000100	0.00119 J	0.00435	0.000932 J	<0.0000700	0.00589 J	0.0228 J
	09/16/2021		<0.0185	0.00416	0.380	0.170 J	<0.000150	<0.00124	0.000141 J	0.00386 J	<0.0281	<0.000849	0.0402	<0.000100	0.00714	0.00418	0.000943 J	<0.0000700	0.00547 J	0.0196 J
	09/16/2021	FD	<0.0185	0.00404	0.405	0.160 J	<0.000150	<0.00124	0.000155 J	0.00411 J	<0.0281	<0.000849	0.0433	<0.000100	0.00725	0.00415	0.000731 J	<0.0000700	0.00576 J	0.0188 J
	04/14/2022		<0.0185	0.00266	0.337	0.226	<0.000150	<0.00124	0.00102 J	0.00446 J	<0.0281	<0.000849	0.198	<0.000100	0.00159 JB	0.00345 B	0.000501 J	<0.0000700	0.00889 J	0.0278
	04/14/2022	FD	<0.0185	0.00291	0.316	0.230	<0.000150	<0.00124	0.000849 J	0.00388 J	<0.0281	<0.000849	0.177	<0.000100	0.00146 J	0.00320	0.00148 J	<0.0000700	0.00823 J	0.0281
	10/13/2022		<0.0185	0.00277	0.310	0.220	<0.000150	<0.00124	0.000459 J	0.00687	<0.0281	<0.000849	0.105	<0.000100	0.00140 J	0.00248	0.000444 J	<0.0000700	0.00895 J	0.0461
	10/13/2022	FD	<0.0185	0.00284	0.312	0.220	<0.000150	<0.00124	0.000476 J	0.00710	<0.0281	<0.000849	0.108	<0.000100	0.00136 J	0.00240	0.000632 J	<0.0000700	0.00910 J	0.0483
	03/23/2023		<0.0185	0.00281	0.301	0.202	<0.000150	<0.00124	0.000352 J	0.00697	<0.0281	0.00230	0.0784	<0.000100	0.00135 J	0.00222	0.000645 J	<0.0000700	0.00785 J	0.0299
	03/23/2023	FD	<0.0185	0.00282	0.290	0.202	<0.000150	<0.00124	0.000330 J	0.00520	<0.0281	<0.000849	0.0768	<0.000100	0.00140 J	0.00204	0.000662 J	<0.0000700	0.00771 J	0.0290
	10/05/2023		<0.0185	0.00420	0.185	0.110 J	<0.000150	<0.00124	0.000200 J	0.00767	<0.0281	<0.000849	0.0402	<0.000100	0.00433 J	0.00177 J	0.000773 J	<0.0000700	0.00446 J	0.0194 J
	10/05/2023	FD	<0.0185	0.00434	0.183	0.114 J	<0.000150	<0.00124	0.000225 J	0.00761	<0.0281	<0.000849	0.0424	<0.000100	0.00451 J	0.00176 J	0.000573 J	<0.0000700	0.00472 J	0.0208 J
	04/04/2024		<0.0185	0.00330	0.352	0.169 J	<0.000150	<0.00124	0.000640 J	0.00602	<0.0281	<0.000849	0.114	<0.000100 [R]	0.00124 J	0.00295	0.000817 J	<0.0000700	0.00609 J	0.0415
	04/04/2024	FD	<0.0185	0.00342	0.367	0.169 J	<0.000150	<0.00124	0.000686 J	0.00738	<0.0281	<0.000849	0.119	<0.000100 [R]	0.00124 J	0.00286	0.000759 J	<0.0000700	0.00626 J	0.0429
	10/03/2024		<0.0185	0.0114	0.133	0.0286 J	<0.000150	<0.00124	0.000929 J	0.00199 J	0.0395 J	<0.000849	0.0829	<0.0000700	0.00286 J	0.00258	<0.000300	<0.0000700	0.00131 J	0.0121 J
	10/03/2024	FD	<0.0185	0.0119	0.130	0.0319 J	<0.000150	<0.00124	0.00103 J	0.00182 J	0.0449 J	<0.000849	0.0870	<0.0000700	0.00318 J	0.00279	0.000326 J	<0.0000700	0.00133 J	0.0120 J
	04/03/2025		<0.0160	0.00680	0.426	0.0301 J	<0.000120	<0.000900	0.00130 J	<0.000700	0.512	0.00156 J	0.261	<0.0000700	0.00148 J	0.00194 J	<0.000250	<0.000110	0.000142 J	<0.00400
	04/03/2025	FD	<0.0160	0.00644	0.449	0.0315 J	<0.000120	<0.000900	0.00145 J	<0.000700	0.440	0.00249	0.306	<0.0000700	0.00157 J	0.00202	<0.000250	<0.000110	0.000154 J	<0.00400
	10/09/2025		<0.0160	0.00601	0.245	0.0370 J	<0.000120	<0.000900	0.00127 J	<0.000700	0.536	0.000986 JB	0.187	<0.0000700	0.00180 J	0.00200 J	<0.000250	<0.000110	0.000320 J	<0.00400
	10/09/2025	FD	<0.0160	0.00557	0.251	0.0326 J	<0.000120	<0.000900	0.00143 J	0.000814 J	0.548	0.000605 JB	0.189	<0.0000700	0.00196 J	0.00200 J	<0.000250	<0.000110	0.000314 J	0.00400 J

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
MW-33	06/15/2017		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	08/17/2017		0.0123 JB	0.00377	0.218	0.447	<0.000160	<0.000540	0.000834 J	0.00129 J	0.0373 J	<0.000240	0.985	<0.0000490	0.00531	0.000613 J	<0.000380	<0.000310	0.00325 J	0.00358 J
	04/05/2018		<0.00515	0.0104	0.380	0.304	<0.000160	0.00155 JB	<0.000260	0.00292 JB	0.0351 J	<0.000240	1.77	<0.0000490	0.000146 JB	0.00170 JB	<0.000380	<0.000310	0.00269 J	0.00546 J
	10/01/2018		0.00613 J	0.00411	0.481	0.194 J	<0.000160	<0.000540	<0.000260	<0.000520	0.0186 J	<0.000240	1.79	<0.0000490	0.000602 J	0.00312	<0.000380	<0.000310	0.00829 J	<0.00256
	04/04/2019		0.00865 JB	0.00179 J	0.476	0.150 J	<0.000160	<0.000540	<0.000260	0.00411 J	0.0299 J	<0.000240	1.39	<0.0000490	0.00158 J	0.00157 JB	<0.000380	<0.000310	0.0131	0.00566 J
	10/24/2019		<0.00515	0.00228	0.496	0.158 J	<0.000160	<0.000540	<0.000260	<0.000520	0.0209 J	<0.000240	1.02	<0.0000490	0.00183 J	0.00323	<0.000380	<0.000310	0.0167	0.00581 J
	06/18/2020		<0.0554	0.00202	0.500	0.163 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.816	<0.000100	0.00268 J	0.00409	<0.000657	<0.000513	0.0241	<0.00996
	10/08/2020		<0.0554	0.00322	0.423	0.167 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.699	<0.000100 [R]	0.00280 J	0.00164 J	<0.000657	<0.000513	0.0236	<0.00996
	10/08/2020	FD	<0.0554	0.00316	0.411	0.167 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.691	0.000121 J	0.00277 J	0.00111 J	<0.000657	<0.000513	0.0233	0.0171 J
	04/15/2021		<0.0185	0.00297	0.471	0.159 J	<0.000150	<0.00124	0.000108 J	<0.00151	0.526	<0.000849	0.701	<0.000100	0.00330 J	0.00198 J	<0.000300	<0.0000700	0.0322	0.00441 JB
	04/15/2021	FD	<0.0185	0.00187 J	0.441	0.159 J	<0.000150	<0.00124	0.0000890 J	0.00175 JB	<0.0281	<0.000849	0.685	<0.000100	0.00289 J	0.00178 J	<0.000300	<0.0000700	0.0308	<0.00302
	09/16/2021		<0.0185	0.00293	0.409	0.168 J	<0.000150	<0.00124	0.0000660 J	<0.00151	<0.0281	<0.000849	0.621	<0.000100	0.00267 J	0.00157 J	0.000473 J	<0.0000700	0.0314	<0.00302
	09/16/2021	FD	0.389	0.00297	0.436	0.165 J	<0.000150	<0.00124	0.000123 J	<0.00151	0.263 B	<0.000849	0.645	<0.000100	0.00266 JB	0.00234	<0.000300	<0.0000700	0.0328	<0.00302
	04/14/2022		<0.0185	0.00654	0.470	0.161 J	0.000220 J	<0.00124	0.000265 J	<0.00151	1.99	<0.000849	0.897	<0.000100	0.00278 J	0.00186 J	0.000394 J	<0.0000700	0.0353	<0.00302
	04/14/2022	FD	0.0312 J	0.00602	0.477	0.156 J	<0.000150	<0.00124	0.0000782 J	<0.00151	1.99	<0.000849	0.884	<0.000100	0.00259 J	0.00168 J	0.000665 J	<0.0000700	0.0355	0.00327 J
	10/13/2022		<0.0185	0.00677	0.557	0.143 J	<0.000150	<0.00124	0.0000730 J	<0.00151	2.01	<0.000849	0.973	<0.000100	0.00243 J	0.00209	<0.000300	<0.0000700	0.0424	0.00914 J
	10/13/2022	FD	<0.0185	0.00675	0.547	0.151 J	<0.000150	<0.00124	0.0000802 J	<0.00151	2.02	<0.000849	0.973	<0.000100	0.00237 J	0.00219	<0.000300	<0.0000700	0.0438	0.0133 J
	03/23/2023		<0.0185	0.00603	0.557	0.163 J	<0.000150	<0.00124	0.0000794 J	0.00513	1.98	<0.000849	0.992	<0.000100	0.00220 J	0.00174 J	<0.000300	<0.0000700	0.0485	0.00319 J
	03/23/2023	FD	<0.0185	0.00594	0.554	0.158 J	<0.000150	<0.00124	0.0000761 J	<0.00151	1.87	<0.000849	0.974	<0.000100	0.00213 J	0.00527	<0.000300	<0.0000700	0.0472	<0.00302
	10/05/2023		<0.0185	0.00483	0.566	0.157 J	<0.000150	0.00128 J	0.0000684 J	<0.00151	1.71	<0.000849	0.947	<0.000100	0.00215 J	0.00157 J	<0.000300	<0.0000700	0.0491	<0.00302
	10/05/2023	FD	<0.0185	0.00554	0.600	0.155 J	<0.000150	<0.00124	0.0000859 J	<0.00151	1.79	<0.000849	0.995	<0.000100	0.00212 J	0.00113 J	<0.000300	<0.0000700	0.0558	<0.00302
	04/04/2024		<0.0185	0.00402	0.717	0.166 J	<0.000150	<0.00124	0.0000959 J	<0.00151	1.59	<0.000849	0.882	<0.000100 [R]	0.00210 J	0.00102 J	<0.000300	<0.0000700	0.0611	<0.00302
	04/04/2024	FD	<0.0185	0.00376	0.719	0.165 J	<0.000150	<0.00124	0.0000981 J	<0.00151	1.58	<0.000849	0.873	<0.000100 [R]	0.00230 J	0.00101 J	<0.000300	<0.0000700	0.0598	<0.00302
	10/03/2024		<0.0160	0.00395	0.691	0.148 J	<0.000120	<0.000900	0.000167 J	<0.000700	1.28	<0.000500	0.704	<0.0000700	0.00203 J	0.00128 J	<0.000250	<0.000110	0.0600	<0.00400
	04/03/2025		<0.0160	0.00365	0.675	0.171 J	<0.000120	<0.000900	0.000110 J	0.00690	1.17	0.000873 J	0.691	<0.0000700	0.00237 J	0.00164 J	<0.000250	<0.000110	0.0651	<0.00400
	04/03/2025	FD	<0.0160	0.00361	0.688	0.162 J	<0.000120	<0.000900	0.000110 J	0.00726	1.14	0.00180 J	0.711	<0.0000700	0.00228 J	0.00111 J	<0.000250	<0.000110	0.0660	<0.00400
	10/09/2025		<0.0160	0.00364	0.567	0.168 J	<0.000120	<0.000900	<0.000100	0.00360 J	1.29	0.000968 JB	0.674	<0.0000700 [R]	0.00193 J	<0.000500	<0.000250	<0.000110	0.0527	<0.00400

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
North Well	06/18/2009		<0.0100	0.00536	0.0997	0.151	<0.00200	0.0104	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	<0.00500
	01/14/2010		<0.0100	<0.00500	0.107	0.172	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00134	0.00920
	08/24/2010		<0.0100	0.00552	0.100	0.147	<0.00200	<0.00500	<0.00500	0.00856	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.0161	<0.00500	<0.00500	<0.00500	<0.00500
	03/03/2011		<0.0100	0.00503	0.0968	0.159	<0.00200	0.0199	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0695
	07/20/2011		<0.0100	<0.00500	0.106	0.142	<0.00200	0.0140	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	02/02/2012		0.0126	<0.00500	0.0944	0.132	<0.00200	0.0145	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	07/30/2012		<0.0100	0.00523	0.106	0.159	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0178
	02/19/2013		<0.0100	0.00693	0.0998	0.162	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	0.00537	<0.00500	<0.00500	<0.00500	0.00873
	08/22/2014		0.0170	0.00530	0.106	<0.0200	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0119
	12/17/2014		<0.0100	0.00579	0.0985	0.121	<0.00100	0.00101	<0.00100	0.00108	0.0180	<0.00100	<0.00100	<0.00020	0.00346	<0.00100	0.00359	<0.00100	0.00179	0.00315
	03/09/2015		<0.035	0.0055	0.11	0.15	<0.00070	<0.0014	<0.0023	0.012 J	<0.014	0.00062 J	<0.0012	<0.000049	0.0032 J	<0.0049	0.0097 J	<0.0028	0.0016 J	0.015 J
	05/19/2015		<0.035	0.0060	0.11	0.14 J	<0.00070	0.0018 J	<0.0023	0.015 J	<0.014	0.00074 J	<0.0012	<0.000049	0.0042 J	<0.0049	0.0033	<0.0028	0.0018 J	0.017 J
	08/28/2015		<0.0350	0.00551	0.103	0.155	<0.000160	0.000676 J	<0.000260	0.00121 J	<0.0141	<0.000240	0.000878 J	<0.0000490	0.00306 J	<0.000350	0.00332	<0.000310	0.00156 J	<0.00256
	12/17/2015		<0.0350	0.00572	0.104	0.155 J	<0.000160	0.00103 J	<0.000260	0.00216 J	0.0158 J	<0.000240	0.000476 J	<0.0000490	<0.00160	0.000388 J	0.00342	<0.000310	0.00160 J	0.00427 J
	03/10/2016		0.00383 J	0.00557	0.108	0.138	<0.000160	0.00106 J	<0.000260	0.00183 JB	0.0200 J	<0.000240	0.000748 J	<0.0000490	0.00307 JB	0.000364 JB	0.00342	<0.000310	0.00161 J	0.00420 JB
	05/25/2016		<0.00200	0.00451	0.104	0.166	<0.000160	<0.000540	<0.000260	0.0141	<0.0150	0.000323 J	0.00281 J	<0.0000490	0.00272 J	0.000909 J	0.00365	<0.000310	0.00159 J	0.0101 J
	08/18/2016		0.00295 JB	0.00548	0.111	0.157	<0.000160	0.00139 JB	<0.000260	0.00146 JB	<0.0150	<0.000240	0.00101 JB	0.0000503 JB	0.00293 J	0.00103 JB	0.00367	<0.000310	0.00176 J	0.00285 JB
	12/08/2016		0.00412 JB	0.00544	0.122	0.127	<0.000160	0.00108 J	<0.000260	0.00236 J	<0.0150	<0.000240	0.000506 JB	<0.0000490	0.00281 J	<0.000350	0.00333	<0.000310	0.00177 J	0.00374 J
	02/07/2017		<0.0258	0.00615 J	0.143	0.163	<0.000800	<0.00270	<0.00130	0.00320 J	<0.0750	<0.00120	<0.00125	<0.0000490	0.00293 J	<0.00175	0.00336	<0.00155	0.00188 J	<0.0128
	05/31/2017		<0.00515	0.00559	0.127	0.149	<0.000160	0.00101 J	<0.000260	0.00435 J	<0.0150	<0.000240	0.000388 JB	<0.0000490	0.00280 J	0.000572 J	0.00322	<0.000310	0.00183 J	0.00513 JB
	08/17/2017		0.0185 JB	0.00569	0.113	0.142	<0.000160	0.00110 J	<0.000260	0.00355 J	<0.0150	0.000261 J	0.00121 JB	<0.0000490	0.00282 J	0.000633 J	0.00347	<0.000310	0.00177 J	0.00834 J
	12/14/2017		0.00620 JB	0.00598	0.109	0.135	<0.000160	0.00142 J	<0.000260	0.00253 JB	0.0491 J	0.000679 J	0.00115 J	<0.0000490	0.00282 J	0.000606 J	0.00355	<0.000310	0.00183 J	0.00679 J
	02/23/2018		0.00601 JB	0.00621	0.109	0.189 J	<0.000160	0.00134 JB	<0.000260	0.00292 J	<0.0150	<0.000240	0.000796 JB	<0.0000490	0.00304 J	0.000612 JB	0.00371	<0.000310	0.00176 J	0.00383 J
	04/05/2018		0.0183 JB	0.00657	0.118	0.156 J	0.000910 JB	0.000849 JB	0.000894 JB	0.0135	0.0237 J	0.00120 JB	0.00467 J	<0.0000490	0.00380 J	0.00244 B	0.00397	<0.000310	0.00270 J	0.0298
	07/31/2018		0.00795 JB	0.00596	0.104	0.169 J	0.000172 JB	0.00117 J	<0.000260	0.00470 J	<0.0150	0.000793 J	0.000983 J	<0.0000490	0.00283 J	0.000634 J	0.00362	<0.000310	0.00173 J	0.00798 J
	10/01/2018		0.00570 J	0.00632	0.112	0.128 J	<0.000160	0.00116 J	<0.000260	0.00233 J	<0.0150	0.000674 J	0.00161 J	<0.0000490	0.00302 J	0.000651 J	0.00409	<0.000310	0.00177 J	0.00386 J
	01/23/2019		0.0108 J	0.00621	0.110	0.152	<0.000160	0.00139 J	<0.000260	0.00259 JB	<0.0150	0.000378 J	0.00193 J	<0.0000490	0.00293 J	0.00114 JB	0.00393	<0.000310	0.00184 J	0.00809 J
	04/04/2019		0.00882 JB	0.00599	0.118	0.169 J	<0.000160	0.00137 J	<0.000260	0.0129	0.0185 J	0.000607 J	0.00509	<0.0000490	0.00295 J	0.00101 JB	0.00375	<0.000310	0.00194 J	0.0199 J
	07/11/2019		<0.00515	0.00582	0.111	0.146 J	<0.000160	0.00162 JB	<0.000260	0.00322 JB	<0.0150	0.000313 JB	0.00042 J	<0.0000490	0.00303 J	0.000416 J	0.00414	<0.000310	0.00173 J	0.006 J
	10/24/2019		<0.00515	0.00483	0.106	0.149 J	<0.000160	0.00115 J	<0.000260	0.00265 J	<0.0150	<0.000240	0.0172	0.0000637 JB	0.00279 J	0.000441 J	0.00306	<0.000310	0.00148 J	0.0105 J
	01/15/2020		0.0222 JB	0.00611	0.105	0.152 J	<0.000160	0.00159 JB	<0.000260	0.0459	<0.0150	0.00257	0.00113 JB	<0.0000490	0.00298 J	0.00184 JB	0.00381	<0.000310	0.00195 J	0.0282
	06/18/2020		<0.0554	0.00601	0.106	0.150 J	<0.000478	0.00178 J	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00297 J	0.000965 J	0.00412	<0.000513	<0.00754	<0.00996
	08/19/2020		<0.0554	0.00592	0.0976	0.150 J	<0.000478	0.00178 J	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00284 J	<0.000952	0.00352	<0.000513	<0.00754	<0.00996
	10/08/2020		<0.0554	0.00637	0.102	0.153 J	<0.000478	0.00233	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00286 J	<0.000952	0.00316	<0.000513	<0.00754	<0.00996
	01/28/2021		<0.0185	0.00505	0.106	0.143 J	<0.000150	0.00141 J	0.000118 J	0.00209 J	<0.0281	<0.000849	0.00175 J	<0.000100	0.00309 J	0.00121 J	0.00361	<0.0000700	0.00171 J	0.0109 JB
	04/15/2021		<0.0185	0.00634	0.106	0.143 J	<0.000150	0.00227 B	0.000115 J	0.0723	<0.0281	0.00354 B	0.000746 J	<0.000100	0.00314 J	0.00231	0.00462	<0.0000700	0.00161 J	0.0519
	07/15/2021		<0.0185	0.00518	0.102	0.137 J	<0.000150	0.00219	0.0000724 J	0.00672 B	<0.0281	<0.000849	0.00522 B	<0.000100	0.00282 J	0.00227 B	0.00332	<0.0000700	0.00151 J	0.0140 JB
	09/16/2021		<0.0185	0.00522	0.110	0.142 J	<0.000150	0.00205	0.000107 J	0.0439	<0.0281	0.00141 J	0.000928 J	<0.000100	0.00277 JB	0.00186 J	0.00373	<0.0000700	0.00162 J	0.0295
	01/20/2022		<0.0185	0.00319	0.107	0.150 J	<0.000150	0.00164 J	0.000177 J	0.00482 J	0.105	<0.000849	0.00420 J	<0.000100	0.00298 J	0.00103 J	0.00369	<0.0000700	0.00199 J	0.0148 J
	04/14/2022		<0.0185	0.00555	0.118	0.143 J	<0.000150	0.00284	<0.0000596	0.00334 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00281 J	0.000873 J	0.00392	<0.0000700	0.00183 J	0.00638 J
	07/14/2022		<0.0185	0.00557	0.108	0.148 J	<0.000150	0.00217	0.0000720 J	0.00467 J	<0.0281	<0.000849	0.00179 J	<0.000100	0.00281 J	0.00152 J	0.00401	<0.0000700	0.00186 J	0.0128 J
	10/13/2022		<0.0185	0.00579	0.111	0.133 J	<0.000150	0.00182 J	0.000101 J	0.00300 J	<0.0281	<0.000849	<0.000704	<0.000100	0.00282 J	0.000828 J	0.00390	<0.0000700	0.00164 J	0.0203 J
	01/26/2023		<0.0185	0.00196	0.0829	0.131	<0.000150	0.00125	0.00234	0.00448	0.587	<0.000849	0.0460	<0.000100	0.00295	0.00117	0.00340	<0.0000700	0.00125	0.0227
	03/23/2023		<0.0185	0.00586	0.108	0.142 J	<0.000150	0.00244	<0.0000596	0.00330 J	<0.0281	<0.000849	0.00157 J	<0.000100	0.00262 J	<0.000816	0.00346	<0.0000700	0.00174 J	0.00994 J
	07/27/2023		<0.0185	0.00589	0.105	0.170 JB	<0.000150	0.00241	0.000145 J	0.00563	<0.0281	<0.000849	0.00168 J	<0.000100	0.00266 JB	0.00193 J	0.00369	<0.0000700	0.00161 J	0.0217 J
	10/05/2023		<0.0185	0.00584	0.106	0.142 J	<0.000150	0.00272	0.0000681 J	0.00375 J	<0.0281	<0.000849	0.000971 J	<0.000100	0.00275 J	0.00145 J	0.00344	<0.0000700	0.00166 J	0.0118 J
	01/25/2024		<0.0185	0.00630	0.109	0.151 J	<0.000150	0.00310	0.0000637 J	0.00276 J	0.104	<0.000849	0.00235 J	<0.000100	0.00295 J	0.000817 J	0.00341	<0.0000700	0.00190 J	0.0156 J
	04/04/2024		<0.0185	0.00653	0.109	0.148 J	<0.000150	0.00310	0.0000658 J	0.00289 J	<0.0281	<0.000849	<0.000704	<0.000100 [R]	0.00304 J	0.00102 J	0.00371	<0.0000700	0.00186 J	0.00966 J
	07/18/2024		<0.0185	0.00592	0.105	0.139 J	<0.000150	0.00238	<0.0000596	<0.00151	<0.0281	<0.000849	0.000727 J	<0.000100	0.00272 J	<0.000816	0.00360	<0.0000700	0.00156 J	0.00519 J
	10/03/2024		<0.0185	0.00563	0.104	0.132 J	<0.000150	0.00272	0.000194 J	0.00581	<0.0281	<0.000849	0.00170 J	<0.0000700	0.00276 J	0.00200 J	0.00344	<0.0000700	0.00168 J	0.0234 J
	01/15/2025		<0.0160	0.00510	0.103	0.138 J	<0.000120	0.00360	0.000192 J	0.00419 J	0.200	<0.000500	0.0462	<0.0000700	0.00289 J	0.00315	0.00353	<0.000110	0.00132	0.00499 J
	04/03/2025		--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]
	07/31/2025		--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]
	10/09/2025		--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]	--[3]

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
South Well	06/22/2009		<0.0100	<0.00500	0.154	0.189	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	<0.00500
	01/14/2010		0.0176	<0.00500	0.138	0.229	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0224	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00236	0.0207
	08/24/2010		<0.0100	<0.00500	0.172	0.186	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00576	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0329
	03/03/2011		<0.0100	<0.00500	0.147	0.261	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0226	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	07/20/2011		<0.0100	<0.00500	0.157	0.195	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00777
	02/02/2012		<0.0100	<0.00500	0.117	0.165	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00777
	07/30/2012		<0.0100	<0.00500	0.103	0.160	<0.00200	0.0111	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0401
	02/19/2013		<0.0100	0.00576	0.149	0.197	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0172
	02/28/2014		<0.0100	<0.00500	0.131	0.195	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00571	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0155
	08/22/2014		<0.0100	<0.00500	0.136	0.144	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.00670	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0159
	08/22/2014	FD	0.0689	<0.00500	0.145	<0.0200	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	0.0103	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0214
	12/17/2014		<0.0100	0.00431	0.125	0.159	<0.00100	0.00178	<0.00100	0.00128	0.0277	<0.00100	0.00422	<0.00020	0.00242	<0.00100	0.00387	<0.00100	0.00227	0.0163
	12/17/2014	FD	<0.0100	0.00422	0.126	0.162	<0.00100	0.00179	<0.00100	0.00136	0.0226	<0.00100	0.00409	<0.00020	0.00203	<0.00100	0.00359	<0.00100	0.00217	0.0151
	03/09/2015		<0.035	0.0040	0.14	0.20	<0.00070	0.0015 J	<0.0023	0.032	<0.014	0.0031	0.0046 J	<0.000049	0.0020 J	<0.0049	0.012 J	<0.0028	0.0021 J	0.049 J
	03/09/2015	FD	0.037 J	0.0042	0.14	0.20	<0.00070	<0.0014	<0.0023	0.019 J	<0.014	0.0026	0.0030 J	<0.000049	0.0021 J	<0.0049	0.015 J	<0.0028	0.0021 J	0.025 J
	05/19/2015		<0.035	0.0023	0.14	0.18 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	0.0088 J	<0.000049	0.0022 J	<0.0049	0.0034	<0.0028	0.0021 J	<0.0059
	05/19/2015	FD	<0.035	0.0024	0.14	0.18 J	<0.00070	<0.0014	<0.0023	<0.0053	<0.014	<0.00024	0.0081 J	<0.000049	0.0023 J	<0.0049	0.0032	<0.0028	0.0021 J	<0.0059
	08/28/2015		<0.0350	0.00436	0.137	0.194	<0.000700	0.00156 J	<0.00230	<0.00530	0.0168 J	0.000477 J	0.00776 J	<0.0000490	0.00204 J	<0.00490	0.00360	<0.00280	0.00214 J	0.00662 J
	08/28/2015	FD	<0.0350	0.00430	0.133	0.197	<0.000160	0.00127 J	<0.000260	0.00376 J	<0.0141	<0.000240	0.00654	0.0000599 J	0.00199 J	<0.000350	0.00328	<0.000310	0.00205 J	0.00638 J
	12/17/2015		<0.0350	0.00426	0.138	0.235	<0.000160	0.00205	<0.000260	0.00257 J	<0.0141	<0.000240	0.00564	<0.0000490	<0.00160	0.000645 J	0.00334	<0.000310	0.00238 J	0.00388 J
	12/17/2015	FD	<0.0350	0.00425	0.136	0.193 J	<0.000160	0.00160 J	<0.000260	0.00250 J	<0.0141	<0.000240	0.00546	<0.0000490	<0.00160	0.000442 J	0.00343	<0.000310	0.00238 J	0.00430 J
	03/10/2016		0.00624 J	0.00425	0.118	0.211	<0.000160	0.00135 J	<0.000260	0.00864	<0.0150	0.000256 J	0.00332 JB	<0.0000490	0.00204 JB	0.000524 JB	0.00354	<0.000310	0.00230 J	0.0119 JB
	05/25/2016		<0.00200	0.00433	0.124	0.214	<0.000160	0.00139 J	<0.000260	0.00384 J	<0.0150	<0.000240	0.00551	<0.0000490	0.00196 J	<0.000350	0.00374	<0.000310	0.00249 J	0.00351 J
	05/25/2016	FD	<0.00200	0.00459	0.125	0.224	<0.000160	0.00196 J	<0.000260	0.00445 J	<0.0150	<0.000240	0.00535	<0.0000490	0.00194 J	<0.000350	0.00343	<0.000310	0.00247 J	0.00394 J
	08/18/2016		<0.00200	0.00419	0.134	0.224	<0.000160	0.00138 J	<0.000260	0.00444 JB	<0.0150	<0.000240	0.00250 J	0.0000764 JB	0.00188 J	0.00106 JB	0.00326	<0.000310	0.00257 J	0.00833 JB
	08/18/2016	FD	0.00377 JB	0.00370	0.137	0.233	<0.000160	0.00165 J	<0.000260	0.00485 JB	<0.0150	<0.000240	0.00270 J	0.0000788 JB	0.00201 J	0.00128 JB	0.00318	<0.000310	0.00262 J	0.00936 JB
	12/08/2016		0.00439 JB	0.00310	0.120	0.188	<0.000160	0.000590 J	<0.000260	0.00192 J	<0.0150	<0.000240	0.00796	<0.0000490	0.00181 J	<0.000350	0.00373	<0.000310	0.00257 J	0.00418 J
	12/08/2016	FD	0.00364 JB	0.00313	0.120	0.194	<0.000160	0.000601 J	<0.000260	0.00215 J	<0.0150	0.000317 J	0.00673	<0.0000490	0.00184 J	<0.000350	0.00307	<0.000310	0.00253 J	0.00420 J
	02/07/2017		0.00532 J	0.00343	0.117	0.223	<0.000160	0.000753 J	<0.000260	0.00340 J	<0.0150	0.000385 JB	0.00227 J	<0.0000490	0.00190 J	<0.000350	0.00337	<0.000310	0.00229 J	0.00405 J
	02/07/2017	FD	<0.0258	0.00424 J	0.140	0.228	<0.000800	<0.00270	<0.00130	0.00352 J	<0.0750	<0.00120	0.00308 J	<0.0000490	0.00217 J	<0.00175	0.00338	<0.00155	0.00266 J	<0.0128
	05/31/2017		<0.00515	0.00327	0.144	0.209	<0.000160	0.000988 J	<0.000260	0.00419 J	<0.0150	<0.000240	0.00311 J	0.0000506 J	0.00174 J	<0.000350	0.00303	<0.000310	0.00235 J	0.00458 JB
	05/31/2017	FD	0.00778 JB	0.00326	0.139	0.197	<0.000160	0.00106 J	<0.000260	0.00419 J	<0.0150	<0.000240	0.00315 J	0.0000515 J	0.00163 J	0.000376 J	0.00338	<0.000310	0.00236 J	0.00426 JB
	08/17/2017		0.00883 JB	0.00392	0.125	0.191	<0.000160	0.00187 J	<0.000260	0.00229 J	<0.0150	<0.000240	0.00253 JB	<0.0000490	0.00183 J	<0.000350	0.00353	<0.000310	0.00230 J	0.00365 J
	08/17/2017	FD	0.00607 JB	0.00413	0.127	0.191	<0.000160	0.00204	<0.000260	0.00364 J	<0.0150	<0.000240	0.00182 JB	<0.0000490	0.00185 J	<0.000350	0.00338	<0.000310	0.00232 J	0.00339 J
	12/14/2017		<0.00515	0.00417	0.125	0.176	<0.000160	0.00221	<0.000260	0.00500 B	<0.0150	<0.000240	0.00223 J	<0.0000490	0.00180 J	0.000406 J	0.00357	<0.000310	0.00237 J	0.00659 J
	12/14/2017	FD	<0.00515	0.00417	0.129	0.184	<0.000160	0.00223	<0.000260	0.00526 B	<0.0150	0.000263 J	0.00259 J	<0.0000490	0.00185 J	0.000357 J	0.00356	<0.000310	0.00244 J	0.00474 J
	02/23/2018		0.00900 JB	0.00419	0.143	0.258	<0.000160	0.00265 B	<0.000260	0.00656	<0.0150	0.000278 JB	0.00225 J	<0.0000490	0.00191 J	0.000488 JB	0.00453	<0.000310	0.00245 J	0.00958 J
	02/23/2018	FD	0.0243 JB	0.00603	0.145	0.222	0.00194	0.00432 B	0.00187 J	0.00829	0.0231 J	0.00195 J	0.00373 J	0.0000945 J	0.00411 J	0.00243	0.00571	0.000372 J	0.00424 J	0.0115 J
	04/05/2018		0.0142 JB	0.00434	0.140	0.202	<0.000160	0.00311 B	<0.000260	0.00598	<0.0150	<0.000240	0.00245 JB	<0.0000490	0.00184 JB	<0.000350	0.00335 B	<0.000310	0.00252 J	0.00408 J
	07/31/2018		0.0109 JB	0.00377	0.130	0.239	0.000179 JB	0.00186 J	<0.000260	0.00235 JB	<0.0150	0.000264 J	0.00101 J	<0.0000490	0.00208 J	0.000389 J	0.00413	<0.000310	0.00220 J	0.0461
	07/31/2018	FD	<0.00515	0.00401	0.133	0.203	0.000172 JB	0.00180 J	<0.000260	0.00179 JB	<0.0150	<0.000240	0.00143 J	<0.0000490	0.00197 J	0.000463 J	0.00326	<0.000310	0.00219 J	0.0262
	10/01/2018		<0.00515	0.00431	0.138	0.177 J	<0.000160	0.00169 J	<0.000260	0.00177 J	<0.0150	<0.000240	0.00219 J	0.0000509 J	0.00219 J	0.00308	0.00386	<0.000310	0.00238 J	0.148
	01/23/2019		0.0343 J	0.00407	0.140	0.204	<0.000160	0.00230	<0.000260	0.00274 JB	<0.0150	<0.000240	0.00228 J	<0.0000490	0.00209 J	0.00157 JB	0.00348	<0.000310	0.00241 J	0.230
	01/23/2019	FD	0.00963 J	0.00424	0.136	0.197	<0.000160	0.00199 J	<0.000260	0.00225 JB	<0.0150	<0.000240	0.00187 J	<0.0000490	0.00202 J	0.00131 JB	0.00396	<0.000310	0.00234 J	0.0889
	04/04/2019		<0.00515	0.00421	0.140	0.612	<0.000160	0.00110 J	<0.000260	0.00172 J	<0.0150	<0.000240	0.00382 J	<0.0000490	0.00226 J	0.000640 JB	0.00325	<0.000310	0.00238 J	0.0510
	07/11/2019		<0.00515	0.00375	0.126	0.198 J	<0.000160	0.00178 JB	<0.000260	0.00191 JB	<0.0150	0.00054 JB	0.00269 J	<0.0000490	0.00229 J	0.000881 J	0.00384	<0.000310	0.00223 J	0.101
	10/24/2019		<0.00515	0.00405	0.119	0.190 J	<0.000160	0.000880 J	<0.000260	0.000922 J	<0.0150	<0.000240	0.00155 J	0.0000822 JB	0.00212 J	0.00157 J	0.00343	<0.000310	0.00188 J	0.0189 J
	01/15/2020		0.00859 JB	0.00287	0.122	0.184 J	<0.000160	0.000722 JB	<0.000260	0.00316 J	<0.0150	0.000365 JB	0.0101	<0.0000490	0.00215 J	0.0106	0.00482	<0.000310	0.00245 J	0.0942
	06/18/2020		<0.0554	0.00430	0.116	0.183 J	<0.000478	0.00168 J	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00210 J	<0.000952	0.00360	<0.000513	<0.00754	0.0142 J
	08/19/2020		<0.0554	0.00419	0.105	0.190 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.00168 J	<0.000100	0.00206 J	<0.000952	0.00417	<0.000513	<0.00754	0.0193 J
	08/19/2020	FD	<0.0554	0.00419	0.105	0.192 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.00145 J	<0.000100	0.00200 J	<0.000952	0.00394	<0.000513	<0.00754	0.0194 J
	10/08/2020		<0.0554	0.00324	0.108	0.188 J	<0.000478	<0.00149	<0.000477	<0.00250	<0.0489	<0.00249	0.00949	<0.000100	0.00225 J	0.00472	0.00400	<0.000513	<0.00754	0.0494
	10/08/2020	FD	<0.0554	0.00254	0.107	0.192 J	<0.000478	<0.00149	<0.000477	0.00292 J	<0.0489	<0.00249	0.0173	0.000114 J	0.00221 J	0.0201	0.00387	<0.000513	<0.00754	0.0868

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
South Well	01/28/2021		<0.0185	0.00420	0.116	0.178 J	<0.000150	0.00173 J	<0.0000596	<0.00151	<0.0281	0.00152 J	0.00208 J	<0.000100	0.00218 J	0.000963 J	0.00367	<0.0000700	0.00241 J	0.0278 B
	01/28/2021	FD	<0.0185	0.00397	0.116	0.180 J	<0.000150	0.00125 J	<0.0000596	0.00189 J	<0.0281	<0.000849	0.00184 J	<0.000100	0.00219 J	<0.000816	0.00372	<0.0000700	0.00222 J	0.0183 JB
	04/15/2021		<0.0185	0.00233	0.112	0.177 J	<0.000150	0.00184 JB	0.000201 J	0.00881 B	0.0389 J	<0.000849	0.0174	<0.000100	0.00211 J	0.0334	0.00409	<0.0000700	0.00217 J	0.0951
	04/15/2021	FD	<0.0185	0.00391	0.109	0.183 J	<0.000150	<0.00124	<0.0000596	0.00264 JB	<0.0281	<0.000849	0.00545	<0.000100	0.00192 J	0.00192 J	0.00350	<0.0000700	0.00205 J	0.0379
	07/15/2021		<0.0185	0.00407	0.106	0.173 J	<0.000150	0.00151 J	<0.0000596	0.00206 JB	<0.0281	<0.000849	0.00275 JB	0.000102 J	0.00227 J	0.00113 JB	0.00313	<0.0000700	0.00212 J	0.0163 JB
	07/15/2021	FD	<0.0185	0.00394	0.107	0.179 J	<0.000150	0.00161 J	0.0000875 J	0.00186 JB	<0.0281	0.00118 J	0.00411 JB	<0.000100	0.00213 J	0.00117 JB	0.00316	<0.0000700	0.00202 J	0.0175 JB
	09/16/2021		<0.0185	0.00407	0.110	0.188 J	<0.000150	0.00136 J	<0.0000596	0.00241 J	<0.0281	<0.000849	0.00199 J	<0.000100	0.00202 JB	0.00133 J	0.00370	<0.0000700	0.00222 J	0.0155 J
	09/16/2021	FD	<0.0185	0.00387	0.113	0.184 J	<0.000150	0.00177 J	0.0000678 J	0.00294 J	<0.0281	<0.000849	0.00630	<0.000100	0.00207 JB	0.00101 J	0.00372	<0.0000700	0.00217 J	0.0246 J
	01/20/2022		<0.0185	0.00293	0.122	0.187 J	<0.000150	<0.00124	0.000122 J	0.00233 J	<0.0281	<0.000849	0.00337 J	<0.000100	0.00227 J	<0.000816	0.00412	<0.0000700	0.00230 J	0.0118 J
	01/20/2022	FD	<0.0185	0.00285	0.123	0.174 J	<0.000150	<0.00124	0.0000993 J	0.00206 J	<0.0281	<0.000849	0.00299 J	<0.000100	0.00232 J	<0.000816	0.00371	<0.0000700	0.00243 J	0.0120 J
	04/14/2022		0.0370 J	0.00471	0.119	0.179 J	<0.000150	0.00217	<0.0000596	0.00206 J	0.0526 J	<0.000849	0.00182 JB	<0.000100	0.00223 J	<0.000816	0.00359	<0.0000700	0.00226 J	0.0226 J
	04/14/2022	FD	0.0244 J	0.00539	0.118	0.178 J	0.000322 J	0.00172 J	0.000109 J	0.00262 J	0.0819 J	<0.000849	0.00262 J	<0.000100	0.00232 J	0.00118 J	0.00496	<0.0000700	0.00206 J	0.0254
	07/14/2022		<0.0185	0.00365	0.116	0.176 J	<0.000150	<0.00124	<0.0000596	0.0342	<0.0281	<0.000849	0.00389 J	<0.000100	0.00209 J	0.00143 J	0.00399	<0.0000700	0.00200 J	0.232
	07/14/2022	FD	<0.0185	0.00278	0.113	0.174 J	<0.000150	<0.00124	0.0000817 J	0.00281 J	<0.0281	<0.000849	0.00923	<0.000100	0.00218 J	0.00302	0.00351	<0.0000700	0.00209 J	0.123
	10/13/2022		<0.0185	0.00455	0.122	0.285	<0.000150	0.00236	0.0000730 J	0.00353 J	0.0742 J	<0.000849	0.00636	<0.000100	0.00206 J	0.000924 J	0.00354	<0.0000700	0.00240 J	0.0239 J
	10/13/2022	FD	<0.0185	0.00447	0.119	0.274	<0.000150	0.00126 J	0.0000609 J	<0.00151	0.0501 J	<0.000849	0.00459 J	<0.000100	0.00200 J	<0.000816	0.00371	<0.0000700	0.00228 J	0.0216 J
	01/26/2023		<0.0185	0.00448	0.106	0.176	<0.000150	0.00131	0.000586	0.00386	0.0485	0.00147	0.00397	<0.000100	0.00221	0.00171	0.00371	<0.0000700	0.00199	0.0672
	01/26/2023	FD	<0.0185	0.00497	0.105	0.184	<0.000150	0.00136	<0.0000596	0.00388	0.0541	0.00225	0.00137	<0.000100	0.00219	0.000858	0.00393	<0.0000700	0.00193	0.0241
	03/23/2023		<0.0185	0.00478	0.113	0.181 J	<0.000150	0.00131 J	<0.0000596	0.00264 J	<0.0281	<0.000849	0.00170 J	<0.000100	0.00201 J	<0.000816	0.00350	<0.0000700	0.00199 J	0.0353
	03/23/2023	FD	<0.0185	0.00476	0.111	0.185 J	<0.000150	0.00125 J	<0.0000596	0.00284 J	<0.0281	<0.000849	0.00161 J	<0.000100	0.00198 J	<0.000816	0.00367	<0.0000700	0.00203 J	0.0370
	07/27/2023		<0.0185	0.00454	0.127	0.208 B	<0.000150	0.00143 J	0.000125 J	0.00267 JB	0.336	0.00250	0.00394 J	<0.000100	0.00368 J	0.00741	0.00376	<0.0000700	0.00206 J	0.123
	07/27/2023	FD	<0.0185	0.00500	0.113	0.197 JB	0.000243 J	0.00142 J	0.000371 J	0.00172 JB	<0.0281	0.00218	0.00134 J	<0.000100	0.00222 JB	0.00152 J	0.00382	<0.0000700	0.00240 J	0.0254
	10/05/2023		<0.0185	0.00453	0.117	0.172 J	<0.000150	0.00197 J	0.0000795 J	0.00248 J	0.0662 J	0.00237	0.00343 J	<0.000100	0.00227 J	0.00717	0.00356	<0.0000700	0.00193 J	0.0702
	10/05/2023	FD	<0.0185	0.00480	0.113	0.179 J	<0.000150	0.00145 J	<0.0000596	<0.00151	<0.0281	0.00199 J	0.00159 J	<0.000100	0.00222 J	0.00302	0.00388	<0.0000700	0.00217 J	0.0438
	01/25/2024		0.0328 J	0.00478	0.108	0.172 J	<0.000150	<0.00124	0.0000794 J	0.00193 J	0.205	0.000856 J	0.00295 J	<0.000100	0.00212 J	0.00372	0.00365	<0.0000700	0.00213 J	0.0291
	01/25/2024	FD	<0.0185	0.00452	0.111	0.173 J	<0.000150	<0.00124	<0.0000596	<0.00151	0.195	<0.000849	0.00281 J	<0.000100	0.00225 J	0.00268	0.00365	<0.0000700	0.00223 J	0.0276
	04/04/2024		<0.0185	0.00485	0.121	0.186 J	<0.000150	0.00144 J	<0.0000596	<0.00151	<0.0281	0.00112 J	0.000967 J	<0.000100 [R]	0.00194 J	0.00265	0.00408	<0.0000700	0.00216 J	0.0227 J
	04/04/2024	FD	<0.0185	0.00457	0.124	0.195 J	<0.000150	0.00126 J	<0.0000596	<0.00151	<0.0281	0.00195 J	0.000961 J	<0.000100 [R]	0.00223 J	0.00435	0.00392	<0.0000700	0.00220 J	0.0253
	07/18/2024		<0.0185	0.00476	0.101	0.177 J	<0.000150	<0.00124	<0.0000596	<0.00151	0.0312 J	<0.000849	0.00265 J	<0.000100	0.00209 J	0.00139 J	0.00327	<0.0000700	0.00204 J	0.0182 J
	07/18/2024	FD	<0.0185	0.00473	0.0990	0.176 J	<0.000150	<0.00124	0.000117 J	<0.00151	0.0538 J	<0.000849	0.00439 J	<0.000100	0.00200 J	0.00379	0.00326	<0.0000700	0.00206 J	0.0490
	10/03/2024		<0.0185	0.00465	0.104	0.174 J	<0.000150	0.00125 J	0.0000649 J	<0.00151	<0.0281	<0.000849	0.00242 J	<0.0000700	0.00192 J	0.00610	0.00359	<0.0000700	0.00201 J	0.0383
	10/03/2024	FD	<0.0185	0.00463	0.102	0.172 J	<0.000150	0.00165 J	<0.0000596	<0.00151	0.0317 J	<0.000849	0.00359 J	<0.0000700	0.00202 J	0.00958	0.00342	<0.0000700	0.00197 J	0.0549
	01/15/2025		<0.0160	0.00453	0.0968	0.170 J	<0.000120	0.00112 J	<0.000100	0.00249 J	<0.0226	<0.000500	0.00217 J	<0.0000700	0.00194 J	0.0100	0.00353	<0.000110	0.00195	0.0307
	01/15/2025	FD	<0.0160	0.00493	0.0957	0.167 J	<0.000120	0.00109 J	<0.000100	0.00566	<0.0226	<0.000500	0.00175 J	<0.0000700	0.00210 J	0.00799	0.00386	<0.000110	0.00192	0.0308
	04/03/2025		<0.0160	0.00484	0.102	0.177 J	<0.000120	0.00138 J	<0.000100	0.00265 J	<0.0226	0.00202	0.00179 J	<0.0000700	0.00223 J	0.0108	0.00594	<0.000110	0.00199	0.0298
	04/03/2025	FD	<0.0160	0.00511	0.104	0.180 J	<0.000120	0.00106 J	<0.000100	0.00285 J	<0.0226	0.00257	0.00142 J	<0.0000700	0.00230 J	0.00798	0.00347	<0.000110	0.00197	0.0239 J
	07/31/2025		<0.0160	0.00481	0.0963	0.172 J	<0.000120	0.00132 J	<0.000100	0.00122 J	<0.0226	<0.000500	0.00198 J	<0.0000700	0.00213 J	0.00303	0.00383	<0.000110	0.00194	0.0319
	07/31/2025	FD	<0.0160	0.00477	0.0998	0.172 J	<0.000120	0.00132 J	<0.000100	0.00174 J	<0.0226	<0.000500	0.00273 J	<0.0000700	0.00208 J	0.00685	0.00379	<0.000110	0.00197	0.0505
	10/09/2025		0.0391 J	0.00431	0.0848	0.166 J	<0.000120	0.00120 J	<0.000100	0.00122 J	<0.0226	0.000696 JB	0.00166 J	<0.0000700	0.00198 J	0.00388	0.00358	<0.000110	0.00180	0.0208 J
	10/09/2025	FD	<0.0160	0.00417	0.0853	0.169 J	<0.000120	0.00130 J	<0.000100	0.00176 J	<0.0226	0.000746 JB	0.00342 J	<0.0000700	0.00156 J	0.00977	0.00315	<0.000110	0.00187	0.0393

Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater

HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			5.0	0.01	2	0.75	0.005	0.05	0.05	1.0	1.0	0.015	0.2	0.002	1.0	0.2	0.05	0.05	0.03	10.0
East Well	06/18/2009		0.0131	<0.00500	0.0820	0.143	<0.00200	<0.00500	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	- -	0.0291
	01/14/2010		<0.0100	<0.00500	0.0941	0.154	<0.00200	0.0119	<0.00500	0.00953	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	0.00111	0.0146
	08/25/2010		<0.0100	<0.00500	0.0873	0.136	<0.00200	0.0145	<0.00500	0.00745	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0347
	03/03/2011		<0.0100	<0.00500	0.0970	0.152	<0.00200	0.0189	<0.00500	<0.00500	<0.200	0.00662	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00936
	07/20/2011		<0.0100	<0.00500	0.104	0.142	<0.00200	0.0200	<0.00500	<0.00500	<0.200	0.0116	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0937
	02/02/2012		0.0150	<0.00500	0.0993	0.145	<0.00200	0.0166	<0.00500	<0.00500	<0.200	0.00988	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0937
	07/30/2012		<0.0100	<0.00500	0.0922	0.136	<0.00200	0.0157	<0.00500	0.00774	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0166
	08/27/2012		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	<0.000200	- -	- -	- -	- -	- -	- -
	09/26/2012		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	<0.000200	- -	- -	- -	- -	- -	- -
	10/22/2012		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	<0.000200	- -	- -	- -	- -	- -	- -
	12/27/2012		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	<0.000200	- -	- -	- -	- -	- -	- -
	02/28/2014		0.0104	<0.00500	0.116	0.158	<0.00200	0.0139	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0317
	08/22/2014		<0.0100	<0.00500	0.103	<0.0200	<0.00200	0.0119	<0.00500	<0.00500	<0.200	<0.00500	0.00812	<0.000200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0156
	12/17/2014		<0.0100	0.00436	0.0905	0.120	<0.00100	0.0112	<0.00100	<0.00100	0.143	<0.00100	0.00430	<0.00020	0.00241	<0.00100	0.00395	<0.00100	0.00181	0.0147
	03/09/2015		<0.035	0.0046	0.10	0.15	<0.00070	0.012	<0.0023	0.068	<0.014	0.0012 J	0.0021 J	<0.000049	0.0023 J	<0.0049	0.010 J	<0.0028	0.0018 J	0.086
	05/19/2015		<0.035	0.0050	0.10	0.14 J	<0.00070	0.012	<0.0023	<0.0053	<0.014	<0.00024	0.0016 J	<0.000049	0.0028 J	<0.0049	0.0037	<0.0028	0.0019 J	0.013 J
	08/28/2015		<0.0350	0.00445	0.0981	0.149	<0.000700	0.00866 J	<0.00230	<0.00530	0.0248 J	0.000241 J	0.0129	<0.0000490	0.00236 J	<0.00490	0.00388	<0.00280	0.00174 J	0.0284 J
	12/17/2015		0.0668 J	0.00507	0.0997	0.167 J	<0.000160	0.00866	<0.000260	0.00143 J	<0.0141	<0.000240	0.00217 J	<0.0000490	<0.00160	0.000365 J	0.00387	<0.000310	0.00188 J	0.0101 J
	03/10/2016		0.00534 J	0.00454	0.0926	0.143	<0.000160	0.00835	<0.000260	0.000987 J	<0.0150	<0.000240	0.00274 JB	<0.0000490	0.00246 JB	0.000662 JB	0.00384	<0.000310	0.00166 J	0.0260 B
	05/25/2016		<0.00200	0.00483	0.0906	0.154	<0.000160	0.00902	<0.000260	0.0315	<0.0150	0.00141 J	0.00181 JB	<0.0000490	0.00217 J	<0.000350	0.00376	<0.000310	0.00181 J	0.0399
	08/18/2016		0.00258 JB	0.00454	0.0939	0.162	<0.000160	0.00451 B	<0.000260	0.00196 JB	0.0337 J	<0.000240	0.00346 J	<0.0000490	0.00288 J	0.00121 JB	0.00386	<0.000310	0.00194 J	0.0291 B
	12/08/2016		0.00471 JB	0.00464	0.0858	0.122	<0.000160	0.00702	<0.000260	0.00390 J	<0.0150	<0.000240	0.00178 J	<0.0000490	0.00254 J	<0.000350	0.00384	<0.000310	0.00172 J	0.0269
	02/07/2017		<0.0258	0.00523 J	0.105	0.158	<0.000800	0.00749 J	<0.00130	<0.00260	<0.0750	<0.00120	0.00214 J	<0.0000490	0.00260 J	<0.00175	0.00358	<0.00155	0.00201 J	0.0141 J
	05/31/2017		<0.00515	0.00462	0.0928	0.144	<0.000160	0.00662	<0.000260	0.0259	<0.0150	0.00115 J	0.00132 J	<0.0000490	0.00228 J	0.000529 J	0.00351	<0.000310	0.00184 J	0.0297
	08/17/2017		0.0583 J	0.00476	0.0903	0.134	<0.000160	0.00699	<0.000260	0.000968 J	<0.0150	<0.000240	0.000802 JB	<0.0000490	0.00237 J	<0.000350	0.00396	<0.000310	0.00181 J	0.00556 J
	12/14/2017		0.0284 JB	0.00527	0.0881	0.128	0.000195 J	0.00619	0.000334 J	0.00244 JB	0.0331 J	0.000575 J	0.00129 J	<0.0000490	0.00286 J	0.000638 J	0.00386	<0.000310	0.00221 J	0.00987 J
	02/23/2018		0.0326 JB	0.00531	0.0893	0.150 J	0.000266 J	0.00730	0.000381 J	0.00559	0.0313 J	0.00188 J	0.000591 JB	<0.0000490	0.00303 J	0.000904 JB	0.00491	<0.000310	0.00212 J	0.0340
	04/05/2018		0.00660 JB	0.00515	0.0947	0.148 J	<0.000160	0.00555	<0.000260	0.00183 JB	<0.0150	0.000365 JB	0.000358 JB	<0.0000490	0.00243 JB	0.000394 JB	0.00402	<0.000310	0.00195 JB	0.0666
	07/31/2018		0.0113 JB	0.00384	0.0902	0.132 J	0.000193 JB	0.00369	<0.000260	0.00911	<0.0150	0.000287 J	0.00145 J	<0.0000490	0.00244 J	0.000789 J	0.00374	<0.000310	0.00182 J	0.210
	10/01/2018		0.00755 J	0.00534	0.0961	0.114 J	<0.000160	0.00537	<0.000260	0.00189 J	<0.0150	0.000589 J	0.000543 J	<0.0000490	0.00277 J	<0.000350	0.00472	<0.000310	0.00189 J	0.0536
	01/23/2019		0.0301 J	0.00520	0.0908	0.137	0.000279 J	0.00585	0.000346 J	0.00249 JB	0.0297 J	0.000666 J	0.000402 J	<0.0000490	0.00287 J	0.00104 JB	0.00382	<0.000310	0.00231 J	0.0208 J
	04/04/2019		<0.00515	0.00472	0.0919	0.195 J	<0.000160	0.00504	<0.000260	0.0109	<0.0150	0.000844 J	0.000373 JB	<0.0000490	0.00243 J	<0.000350	0.00341	<0.000310	0.00193 J	0.0476
	07/11/2019		<0.00515	0.00495	0.0952	0.142 J	<0.000160	0.00647	<0.000260	0.00995 B	<0.0150	0.000637 JB	<0.000250	<0.0000490	0.00266 J	0.000563 J	0.00341	<0.000310	0.00186 J	0.0128 J
	10/24/2019		<0.00515	0.00454	0.0937	0.138 J	<0.000160	0.00320	<0.000260	<0.000520	<0.0150	<0.000240	0.000903 J	0.0000613 JB	0.00260 J	0.000377 J	0.00393	<0.000310	0.00168 J	0.00418 J
	01/15/2020		<0.00515	0.00436	0.0986	0.143 J	<0.000160	0.000797 JB	<0.000260	0.000843 J	<0.0150	<0.000240	0.00221 JB	<0.0000490	0.00269 J	0.000845 JB	0.00564	<0.000310	0.00209 J	0.00523 J
	06/18/2020		<0.0554	0.00489	0.0965	0.140 J	<0.000478	0.00504	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00258 J	<0.000952	0.00420	<0.000513	<0.00754	0.0300
	08/19/2020		<0.0554	0.00516	0.0909	0.148 J	<0.000478	0.00348	<0.000477	<0.00250	<0.0489	<0.00249	0.00242 J	<0.000100	0.00254 J	<0.000952	0.00419	<0.000513	<0.00754	<0.00996
	10/08/2020		<0.0554	0.00495	0.0927	0.146 J	<0.000478	0.00482	<0.000477	<0.00250	<0.0489	<0.00249	<0.00132	<0.000100	0.00262 J	<0.000952	0.00404	<0.000513	<0.00754	0.0112 J
	01/28/2021		<0.0185	0.00516	0.0975	0.142 J	<0.000150	0.00541	0.0000716 J	0.00497 J	<0.0281	0.00224	0.000778 J	<0.000100	0.00269 J	0.000993 J	0.00419	<0.0000700	0.00192 J	0.0338
	04/15/2021		0.0274 J	0.00504	0.0943	0.139 J	<0.000150	0.00473 B	0.0000755 J	<0.00151	<0.0281	<0.000849	<0.000704	<0.000100	0.00239 J	0.000944 J	0.00448	<0.0000700	0.00182 J	0.0102 J
	07/15/2021		<0.0185	0.00481	0.0870	0.129 J	<0.000150	0.00511	0.0000821 J	0.00159 JB	<0.0281	<0.000849	0.00152 JB	<0.000100	0.00263 J	0.000916 JB	0.00404	<0.0000700	0.00170 J	0.0101 JB
	09/16/2021		<0.0185	0.00452	0.0920	0.150 J	<0.000150	0.00342	0.0000724 J	0.00303 J	<0.0281	<0.000849	0.00522	<0.000100	0.00257 JB	<0.000816	0.00403	<0.0000700	0.00191 J	0.0321
	11/10/2021		- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	11/10/2021	FD	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
	01/20/2022		<0.0185	0.00396	0.0975	0.149 J	<0.000150	<0.00124	0.000260 J	<0.00151	<0.0281	<0.000849	0.00328 J	<0.000100	0.00285 J	<0.000816	0.00454	<0.0000700	0.00201 J	<0.00302
	04/14/2022		<0.0185	0.00578	0.0938	0.142 J	0.000301 J	0.00394	0.000137 J	0.00253 J	0.0601 J	0.00281	0.00553	<0.000100	0.00295 J	0.00126 J	0.0197	<0.0000700	0.00186 J	0.0149 J
	07/14/2022		<0.0185	0.00450	0.0851	0.146 J	<0.000150	0.00279	0.0000825 J	0.00232 J	<0.0281	<0.000849	0.00278 J	<0.000100	0.00272 J	0.00164 J	0.00414	<0.0000700	0.00182 J	0.00870 J
	10/13/2022		<0.0185	0.00529	0.0883	0.136 J	<0.000150	0.00364	0.000135 J	<0.00151	0.0510 J	<0.000849	0.00114 J	<0.000100	0.00267 J	0.00196 J	0.00418	<0.0000700	0.00184 J	0.0167 J
	01/26/2023		<0.0185	0.00483	0.0824	0.140	<0.000150	0.00302	0.0000771	0.00188	0.115	<0.000849	0.00368	<0.000100	0.00259	0.00195	0.00425	<0.0000700	0.00177	0.0127
	03/23/2023		<0.0185	0.00511	0.0891	0.144 J	<0.000150	0.00338	0.0000632 J	0.00201 J	0.0643 J	<0.000849	0.00207 J	<0.000100	0.00255 J	<0.000816	0.00388	<0.0000700	0.00172 J	0.00557 J
	07/27/2023		<0.0185	0.00525	0.0878	0.164 B	<0.000150	0.00402	0.000160 J	0.00265 JB	0.0444 J	<0.000849	0.00143 J	<0.000100	0.00274 JB	0.000821 J	0.00431	<0.0000700	0.00175 J	<0.00302
	10/05/2023		<0.0185	0.00547	0.0874	0.144 J	<0.000150	0.00354	<0.0000596	0.00279 J	0.0427 J	<0.000849	0.00271 J	<0.000100	0.00276 J	0.00224	0.00425	<0.0000700	0.00191 J	0.00692 J
	01/25/2024		<0.0185	0.00526	0.116	0.158 J	<0.000150	0.00328	0.0000750 J	0.00411 J	0.0604 J	<0.000849	0.00481 J	<0.000100	0.00256 J	0.00607	0.00437	<0.0000700	0.00195 J	0.161

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Table 4. Dissolved Metals and Total Mercury Concentrations in Groundwater
HF Sinclair Navajo Refining LLC, AP-110, Lovington, New Mexico

Monitor Well	Sample Date	Duplicate	Aluminum (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Total Mercury (mg/L)	Molybdenum (mg/L)	Nickel (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium 238 (mg/L)	Zinc (mg/L)
New Mexico WQCC Groundwater Standards			**5.0**	**0.01**	**2**	**0.75**	**0.005**	**0.05**	**0.05**	**1.0**	**1.0**	**0.015**	**0.2**	**0.002**	**1.0**	**0.2**	**0.05**	**0.05**	**0.03**	**10.0**
East Well	04/04/2024		<0.0185	0.00553	0.0829	0.142 J	<0.000150	0.00184 J	0.0000669 J	0.00278 J	<0.0281	<0.000849	0.00153 J	<0.000100 [R]	0.00273 J	<0.000816	0.00411	<0.0000700	0.00167 J	0.0115 J
	07/18/2024		<0.0185	0.00512	0.0802	0.138 J	<0.000150	0.00255	<0.0000596	0.00163 J	<0.0281	<0.000849	0.00152 J	<0.000100	0.00241 J	0.000836 J	0.00359	<0.0000700	0.00161 J	0.00800 J
	10/03/2024		<0.0185	0.00503	0.0833	0.135 J	<0.000150	0.00252	0.0000642 J	0.00191 J	0.0373 J	<0.000849	0.00172 J	<0.0000700	0.00249 J	0.000881 J	0.00384	<0.0000700	0.00165 J	0.00856 J
	01/15/2025		<0.0160	0.00498	0.0828	0.133 J	<0.000120	0.00237	0.000128 J	0.00213 J	<0.0226	<0.000500	0.00135 J	<0.0000700	0.00256 J	0.00113 J	0.00403	<0.000110	0.00171	0.0154 J
	04/03/2025		<0.0160	0.00522	0.0901	0.146 J	<0.000120	0.00216	<0.000100	0.00211 J	0.0512 J	0.00263	0.00139 J	<0.0000700	0.00264 J	0.00215	0.00403	<0.000110	0.00172	0.178
	07/31/2025		<0.0160	0.00545	0.0818	0.143 J	<0.000120	0.00208	<0.000100	0.00269 J	0.0706 J	0.000567 J	0.00283 J	<0.0000700	0.00255 J	0.00418	0.00401	<0.000110	0.00173	0.0373
	10/09/2025		<0.0160	0.00469	0.0760	0.137 J	<0.000120	0.00193 J	<0.000100	0.00119 J	0.0467 J	0.000661 JB	0.00163 J	<0.0000700	0.00244 J	<0.000500	0.00430	<0.000110	0.00158	<0.00400

Notes:
Shading indicates detected result exceeded the New Mexico Water Quality Control Commission (WQCC) Groundwater Standard
N/A = Not Applicable, no New Mexico WQCC Groundwater Standard established for constituent
mg/L = milligrams per liter
FD = Field Duplicate
< = Not reported above laboratory reporting limit
-- = Not Analyzed
(1) = Not analyzed due to insufficient water volume
(2) = Not analyzed due to refinery operations (inaccessible)
(3) = Well is inoperable (turned off)
J = analyte was detected below the laboratory reporting limit (June 2009 to December 2014) or the method quantitation limit (February 2015 to April 2021), or reported detection limit (July 2021, to October 2025), reported value is estimated
B = same analyte was detected in the associated laboratory blank or equipment blank; sample concentration is within 5 times the blank concentration
[R] analyte not usable for project objectives according to the United States Environmental Protection Agency (USEPA) *National Functional Guidelines for Inorganic Superfund Methods* (USEPA, November 2020)
Samples collected for metals analysis (except for Total Mercury) were field- or lab-filtered with 0.45 micron filter
June 2009 to August 2014 analyses completed by ALS Laboratory Group, Houston, Texas
December 2014 analyses completed by Hall Environmental Analysis Laboratory in Albuquerque, New Mexico
February 2015 to present analyses completed by Pace Analytical National Center for Testing & Innovation (formerly ESC Lab Sciences) in Mount Juliet, Tennessee
Analytical data from 2009 to 2011 were provided by a previous consultant and could not be confirmed against the original data packages

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Table 5. Summary of Releases in 2025
HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date Release Discovered	Release Location	Estimated Volume Released to Ground*	Estimated Volume Recovered from Ground	Released Material	Release Summary	Corrective Action
January 21, 2025	86 Lovington - Utilities	15 gallons	0 gallons	Boiler feed water	Operator discovered a leak near the deaerator (DA) unit. A 2-inch union on the DA bypass line had separated, resulting in a release of boiler feed water. Approximately 15 gallons of boiler feed water was discharged onto the concrete then into the sewer before operations blocked in the area.	OPS isolated the affected valves to stop the flow of water and immediately notified supervision and maintenance. Repairs were scheduled and completed to prevent recurrence.
January 22, 2025	86 Lovington - Utilities	3 gallons	<3 gallons	Hydrochloric Acid (HCl)	During routine rounds, operations identified an HCl leak from a cracked PVC connection to the tote. Approximately 3 gallons of HCl were released before the tote was closed off..	The tote valve was closed and the area was secured. Supervision was notified and the impacted area was cleaned in accordance with site procedures.
March 3, 2025	82 Lovington - Crude Unit	<25 gallons	<25 gallons	Sour Water	During routine rounds, operations personnel identified a sour water leak originating from the D121 outlet at the FIC69 dead leg located near the pre-flash tower overhead structure. Upon further evaluation, it was determined that the leak was coming from a dead leg connection to FIC69, which is currently out of service (OOS) but remains tied into the live process on the downstream side of the control loop. Because the downstream piping remained active, sour water was able to migrate into the dead leg and discharge at the compromised connection point.	Operations notified the on-call supervisor of the leak. A scaffold crew was mobilized to construct access to the valve located in the pipe rack so the line could be properly isolated and repaired.
March 13, 2025	84 Lovington - Tankage/Trucks/Loading	2 gallons	<2 gallons	Transmix	While unloading Transmix, the vacuum-truck driver pre-emptively unhooked hose with product still in the hose. Approximately 2 gallons of transmix spilled onto the driver and asphalt.	Driver was fine when the driver left the facility and their dispatch was notified. Kitty litter was spread over spill and cleaned up.
March 13, 2025	84 Lovington - Tankage/Trucks/Loading	<25 gallons	<25 gallons	Diesel	Operator was conducting midnight gauge rounds and discovered the Tank 103B suction line, which had a clamp installed, was leaking. Secondary containment was in place but had reached capacity and was beginning to overflow. An additional containment was set up to transfer product between containers until the vacuum truck arrived.	The on-call supervisor was contacted, and a vacuum truck along with maintenance support was dispatched. A new clamp was installed, which stopped the leak.
June 15, 2025	84 Lovington - Tankage/Trucks/Loading	<25 gallons	<25 gallons	Slop Water	A leak was found on the slop line between TK-1214 and TK-1215.	Operations put a containment under the drip and blocked in both sides of the line.
June 16, 2025	81 Lovington - General Plant	<2 gallons	<2 gallons	Asphalt	Asphalt loading pump TP-105-A seal was observed dripping asphalt.	The on-call supervisor was notified of the issue and informed that TP-105-B will remain out of service for seal replacement. The seal replacement was replaced within 24 hours.
August 29, 2025	82 Lovington - Crude Unit	2 gallons	<2 gallons	Naphtha	The operator shut down pump P-104A due to cavitation. The pump was restarted approximately 30 minutes later, at which time the seal was observed leaking naphtha. The total release is estimated at approximately 2 gallons.	The operator shut down the pump and blocked it in. The spare pump was placed into service until repairs were made to pump P-104A.
October 18, 2025	84 Lovington - Tankage/Trucks/Loading	<25 gallons	<25 gallons	Oil and Water	During daylight rounds, oil and water were observed in the area where the heavy slop line was being steamed out for repair. The outlet-side steam hose shifted and sprayed a light mist of oil and water outside of the lugger bucket where the hose had been anchored. The impacted area was approximately 15 feet by 15 feet of soil.	The on-call supervisor was notified and a contractor was dispatched to assist with remediation. A different style lugger bucket was installed to continue the line steam-out operation. The affected soil was covered with absorbent material (kitty litter) and was raked and removed.
November 19, 2025	82 Lovington - Crude Unit	0 (fire from stack that was promptly extinguished)	Not Applicable	Not Applicable	Operators shut down H-102 (located in unit area 82) after seeing black smoke out of the stack. There was a subsequent deflagration and operators determined there was a tube leak. An estimated 1 MCF of natural gas was flared during the incident.	Operators safely shut down the unit and placed the heater in a safe state. The notice of release (NOR) was submitted to the OCD Portal on 11/19/26 with Action ID #528166 and the C-141 Form was submitted on 12/1/26 with Action ID #530194. The H-102 tube leak was repaired and H-102 was put back into service.
December 30, 2025	84 Lovington - Tankage/Trucks/Loading	5 gallons	<5 gallons	Crude Oil	Approximately 5 gallons of crude oil were found leaking from a previously frozen 3/4-inch quarter-turn valve on the north side of TK-1201A, near the transfer pump that is used to move crude oil from TK-1201A to TK-1201B. The valve had thawed, resulting in the release.	The valve was blocked in upstream of the leak and subsequently replaced. Operations initiated cleanup using absorbent materials.

* Releases that resulted in any of the released material contacting the ground surface are included in this table. Releases that were entirely contained within any lined or cemented secondary containment are not included in this table.

APPENDIX A

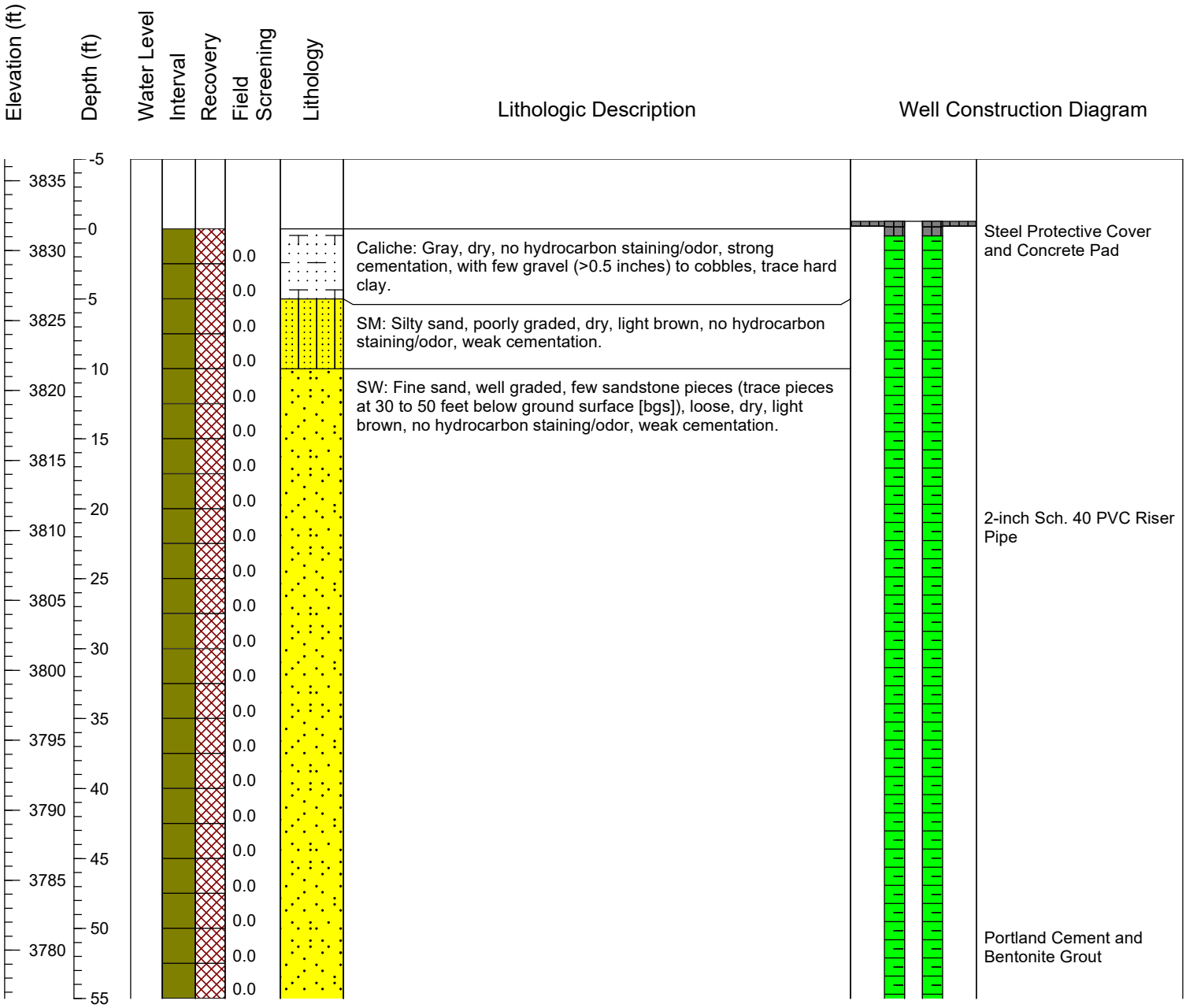
BORING LOGS

Released to Imaging: 4/17/2026 3:09:37 PM

TRC BORING LOG and WELL CONSTRUCTION

MW-17R2

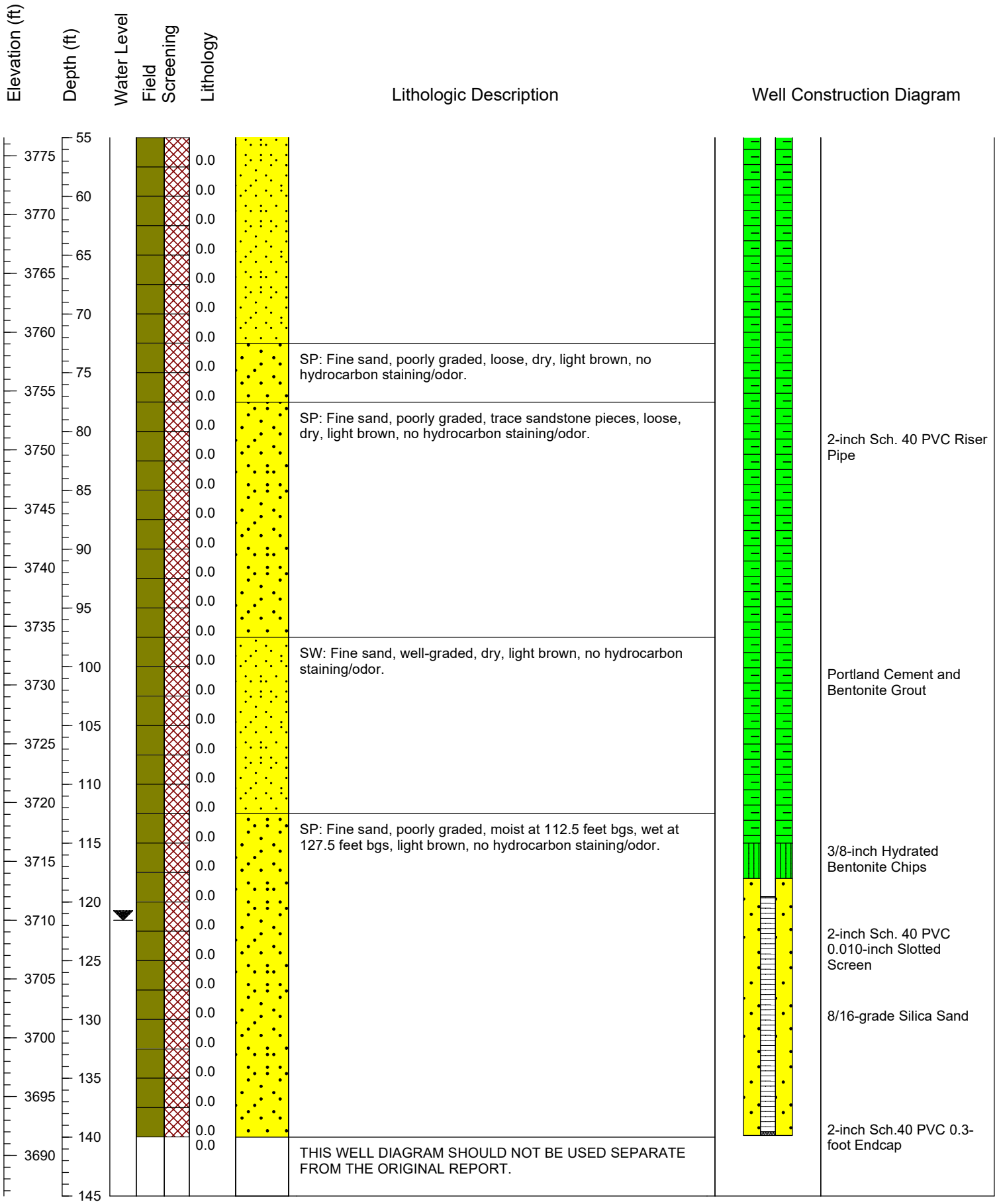
Client: HF Sinclair Navajo Refining LLC	TRC Project #: 666388
Site: Lovington Refinery	Start Date: 12/12/2025
Address: 7406 South Main Street, Lovington, New Mexico 88260	Finish Date: 12/15/2025
Project: Lovington Well Replacement 2025	Permit #: L-12562
Drilling Company: Cascade — Drilling Crew: J. Mayo and crew	TRC Site Rep.: R. Niehay
Drilling Method: Roto-sonic	TRC Reviewer: A. Eljuri
Boring Diameter (in): 10 — Boring Depth (ft bgs): 140	Coord. System: NM State Plane
Sampling Method: Continuous Core	Northing: 685006.451
Blow Count Method: Not applicable	Easting: 857417.030
Field Screening Parameter: Volatile Organic Compounds	Elevation Datum: GEOID18(Conus)
Meter: RKI6000 5-Gas Meter — Units: ppm	Ground Elevation (ft): 3831.55
Well Depth (ft bgs): 139.85 — Well Depth (ft toc): 139.90	Well Elevation (ft): 3831.60
Casing Length (ft): 119.60 — Screen Length (ft): 20	Well Measuring Point: Top of Casing
Surface Completion: 8-inch flush mount steel cover and concrete pad	Depth to Water (ft toc): 121.60
Well Development: Pumped and surged approximately 35 gallons	Date/Time: 12/18/2025 08:15



TRC **BORING LOG and WELL CONSTRUCTION**

MW-17R2

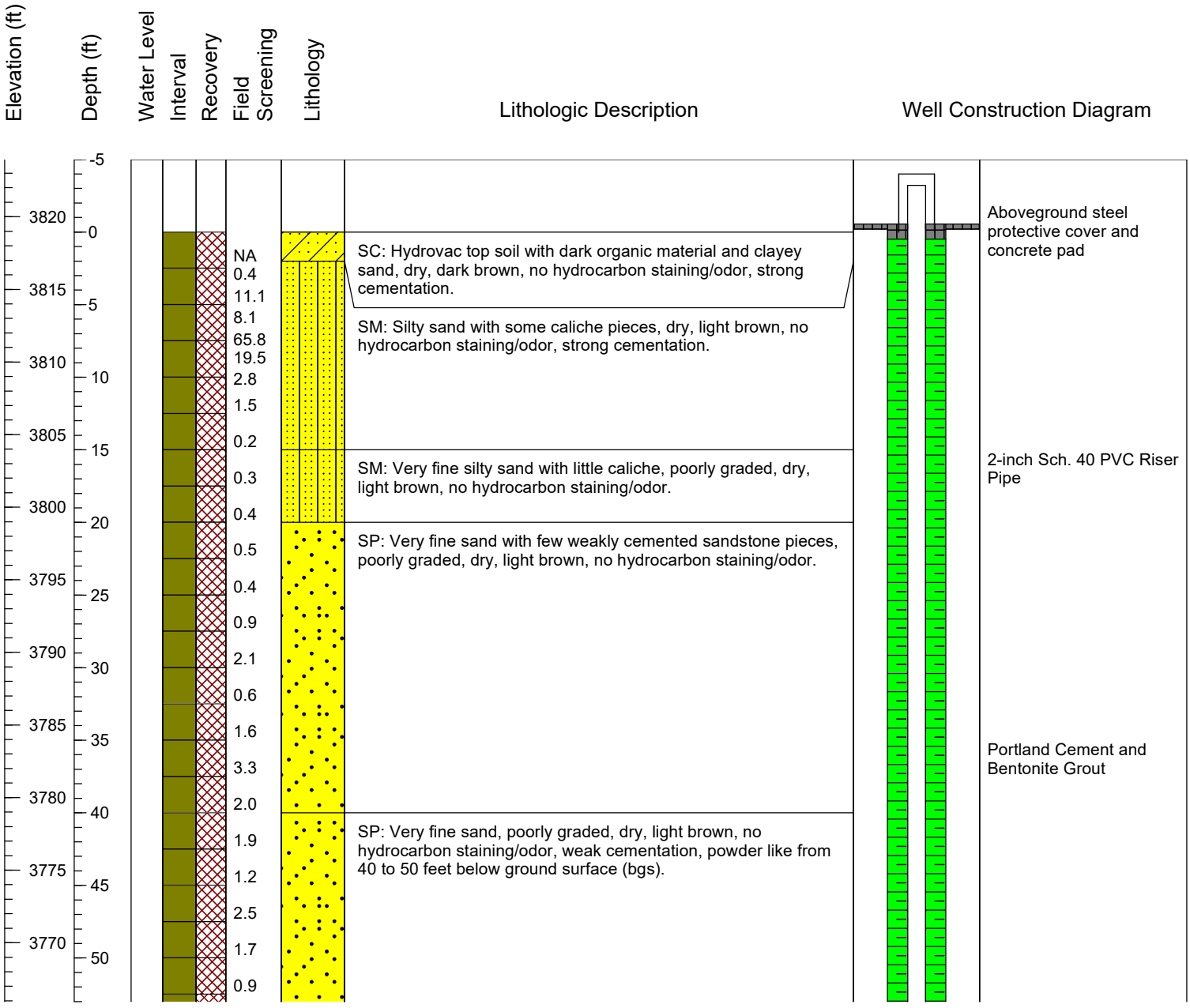
Client: HF Sinclair Navajo Refining LLC | Site: Lovington Refinery | Page 2 of 2



BORING LOG and WELL CONSTRUCTION

MW-22R

Client: HF Sinclair Navajo Refining LLC	TRC Project #: 666388
Site: Lovington Refinery	Start Date: 12/10/2025
Address: 7406 South Main Street, Lovington, New Mexico 88260	Finish Date: 12/11/2025
Project: Lovington Well Replacement 2025	Permit #: L-12562
Drilling Company: Cascade — Drilling Crew: J. Mayo and crew	TRC Site Rep.: R. Niehay
Drilling Method: Roto-sonic	TRC Reviewer: A. Eljuri
Boring Diameter (in): 10 — Boring Depth (ft bgs): 135	Coord. System: NM State Plane
Sampling Method: Continuous Core	Northing: 684141.484
Blow Count Method: Not applicable	Easting: 859498.975
Field Screening Parameter: Volatile Organic Compounds	Elevation Datum: GEOID18(Conus)
Meter: RKI6000 5-Gas Meter — Units: ppm	Ground Elevation (ft): 3818.95
Well Depth (ft bgs): 134.81 — Well Depth (ft toc): 138.00	Well Elevation (ft): 3822.14
Casing Length (ft): 117.70 — Screen Length (ft): 20	Well Measuring Point: Top of Casing
Surface Completion: Aboveground steel protective cover and concrete pad	Depth to Water (ft toc): 114.25
Well Development: Pumped and surged approximately 40 gallons	Date/Time: 12/18/2025 11:00



TRC **BORING LOG and WELL CONSTRUCTION**

MW-22R

Client: HF Sinclair Navajo Refining LLC | Site: Lovington Refinery | Page 2 of 2

Elevation (ft)	Depth (ft)	Water Level	Field Screening	Lithology	Lithologic Description	Well Construction Diagram
3765	55		0.8			
3760	60		0.5			
3755	65		1.5		SP: Very fine sand with trace low grade sandstone pieces, poorly graded, dry, light brown, no hydrocarbon staining/odor, weak cementation	
3750	70		0.5			
3745	75		0.6			
3740	80		0.0		SP: Very fine sand, poorly graded, dry, light brown, no hydrocarbon staining/odor, weak cementation.	2-inch Sch. 40 PVC Riser Pipe
3735	85		0.0			
3730	90		0.0			
3725	95		0.0			
3720	100		0.0			Portland Cement and Bentonite Grout
3715	105		0.0			
3710	110		0.0		SP: Very fine sand, poorly graded, moist, light brown, no hydrocarbon staining/odor.	
3705	115		0.0			3/8-inch Hydrated Bentonite Chips
3700	120		0.0			
3695	125		0.0			8/16-grade Silica Sand
3690	130		0.0		SP: Very fine sand, poorly graded, wet, light brown, no hydrocarbon staining/odor.	
3685	135		0.0			2-inch Sch. 40 PVC 0.010-inch Slotted Screen
3680	140		0.0		THIS WELL DIAGRAM SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.	2-inch Sch.40 PVC 0.3-foot Endcap

APPENDIX B

PLOT OF GROUNDWATER ELEVATIONS OVER TIME

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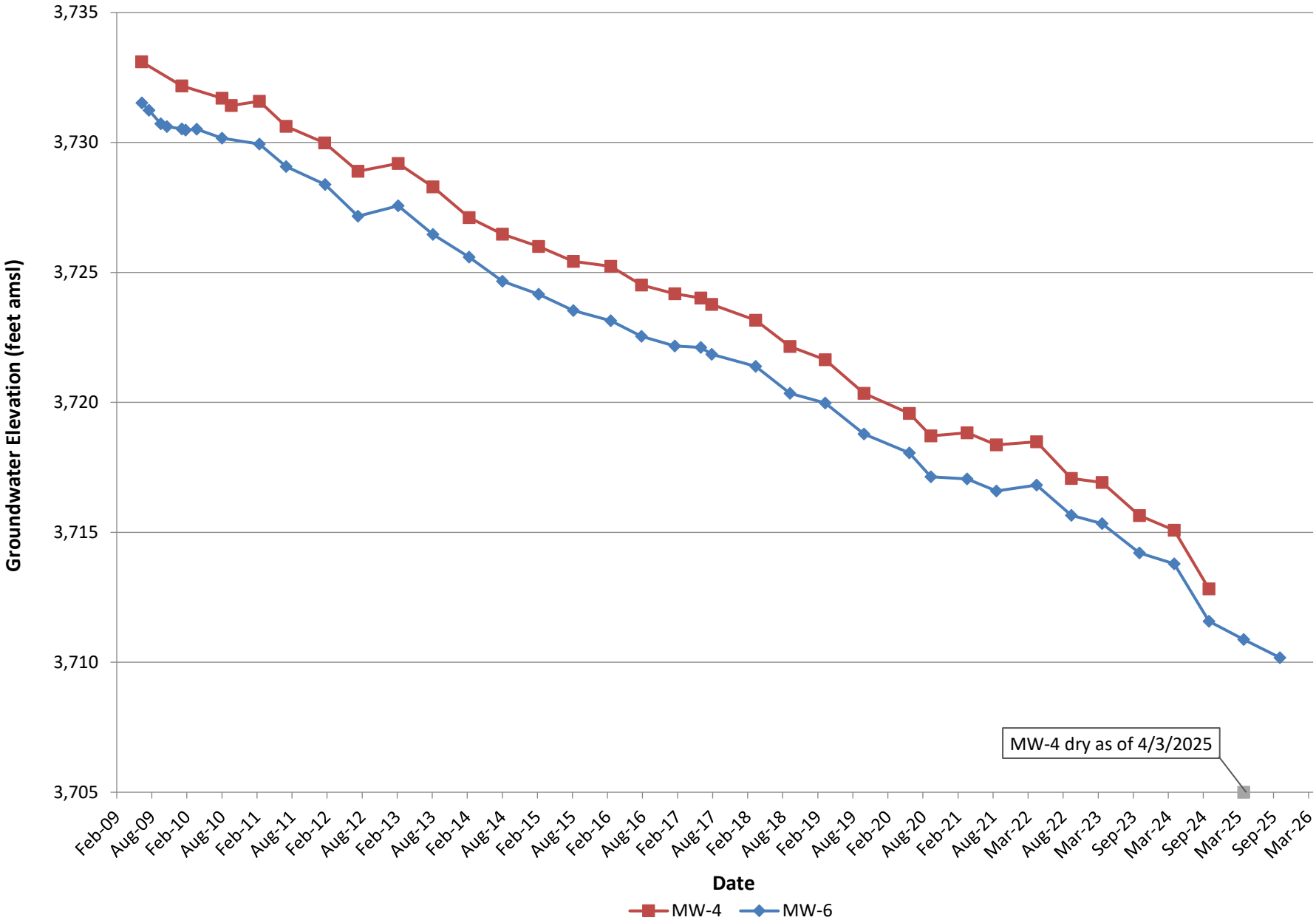
APPENDIX B - GROUNDWATER ELEVATIONS OVER TIME
HF Sinclair Navajo Refining LLC
GW-014, Lovington, New Mexico



APPENDIX C

LABORATORY ANALYTICAL REPORTS

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ANALYTICAL REPORT

February 04, 2025

TRC Solutions - Austin, TX

Sample Delivery Group:	L1817497
Samples Received:	01/16/2025
Project Number:	
Description:	Lovington Lea Refinery

Report To: Julie Speer
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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Released to Imaging: 4/17/2026 3:09:37 PM

WW-NORTH L1817497-01 GW

Collected by: BB / OD
Collected date/time: 01/15/25 15:45
Received date/time: 01/16/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2434671	1	01/16/25 14:46	01/17/25 14:09	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2434366	1	01/16/25 20:36	01/16/25 20:36	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2434366	5	01/16/25 20:49	01/16/25 20:49	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2435013	1	01/21/25 14:27	01/22/25 01:45	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2434631	1	01/17/25 03:14	01/19/25 20:07	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 17:19	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 19:51	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2435938	1	01/19/25 11:38	01/19/25 11:38	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2434876	1	01/17/25 02:16	01/17/25 02:16	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2437797	1	01/23/25 08:10	01/23/25 22:52	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2434941	1	01/17/25 16:23	01/18/25 03:50	MBE	Mt. Juliet, TN

WW-SOUTH L1817497-02 GW

Collected by: BB / OD
Collected date/time: 01/15/25 14:55
Received date/time: 01/16/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2434671	1	01/16/25 14:46	01/17/25 14:09	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2434366	1	01/16/25 21:03	01/16/25 21:03	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2434366	5	01/16/25 21:16	01/16/25 21:16	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2435013	1	01/21/25 14:27	01/22/25 01:48	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2434631	1	01/17/25 03:14	01/19/25 20:14	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 17:43	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 19:54	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2435938	1	01/19/25 12:00	01/19/25 12:00	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2434876	1	01/17/25 02:39	01/17/25 02:39	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2437797	1	01/23/25 08:10	01/23/25 23:15	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2434941	1	01/17/25 16:23	01/18/25 01:40	MBE	Mt. Juliet, TN

WW-EAST L1817497-03 GW

Collected by: BB / OD
Collected date/time: 01/15/25 16:25
Received date/time: 01/16/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2434671	1	01/16/25 14:46	01/17/25 14:09	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2434366	1	01/16/25 21:30	01/16/25 21:30	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2435013	1	01/21/25 14:27	01/22/25 01:50	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2434631	1	01/17/25 03:14	01/19/25 20:16	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 17:46	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 19:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2435938	1	01/19/25 12:22	01/19/25 12:22	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2434876	1	01/17/25 03:01	01/17/25 03:01	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2437797	1	01/23/25 08:10	01/23/25 23:37	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2434941	1	01/17/25 16:23	01/18/25 02:02	MBE	Mt. Juliet, TN

DUP-01 L1817497-04 GW

Collected by: BB / OD
Collected date/time: 01/15/25 15:00
Received date/time: 01/16/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2434671	1	01/16/25 14:46	01/17/25 14:09	JAC	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2434366	1	01/16/25 21:57	01/16/25 21:57	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2434366	5	01/16/25 22:37	01/16/25 22:37	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2435013	1	01/21/25 14:27	01/22/25 01:53	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2434631	1	01/17/25 03:14	01/19/25 20:18	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 17:50	UNP	Mt. Juliet, TN

SAMPLE SUMMARY

DUP-01 L1817497-04 GW

Collected by: BB / OD
Collected date/time: 01/15/25 15:00
Received date/time: 01/16/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2435104	1	01/17/25 18:31	01/18/25 20:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2435938	1	01/19/25 12:44	01/19/25 12:44	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2434876	1	01/17/25 03:23	01/17/25 03:23	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2437797	1	01/23/25 08:10	01/23/25 23:59	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2434941	1	01/17/25 16:23	01/18/25 02:23	MBE	Mt. Juliet, TN

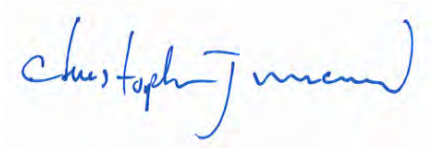
TRIP BLANK L1817497-05 GW

Collected by: BB / OD
Collected date/time: 01/15/25 00:00
Received date/time: 01/16/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2434876	1	01/17/25 01:32	01/17/25 01:32	WHS	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	504		10.0	1	01/17/2025 14:09	WG2434671

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	116		2.74	5.00	5	01/16/2025 20:49	WG2434366
Fluoride	0.883		0.0761	0.150	1	01/16/2025 20:36	WG2434366
Nitrate as (N)	2.56		0.0884	0.100	1	01/16/2025 20:36	WG2434366
Nitrite as (N)	U		0.0794	0.100	1	01/16/2025 20:36	WG2434366
Sulfate	79.3		0.637	5.00	1	01/16/2025 20:36	WG2434366

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	01/22/2025 01:45	WG2435013

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.138	J	0.0232	0.200	1	01/19/2025 20:07	WG2434631

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	01/18/2025 17:19	WG2435104
Arsenic,Dissolved	0.00510		0.000120	0.00200	1	01/18/2025 17:19	WG2435104
Barium,Dissolved	0.103		0.000500	0.00200	1	01/18/2025 17:19	WG2435104
Cadmium,Dissolved	U		0.000120	0.00100	1	01/18/2025 17:19	WG2435104
Chromium,Dissolved	0.00360		0.000900	0.00200	1	01/18/2025 17:19	WG2435104
Copper,Dissolved	0.00419	J	0.000700	0.00500	1	01/18/2025 17:19	WG2435104
Cobalt,Dissolved	0.000192	J	0.000100	0.00200	1	01/18/2025 17:19	WG2435104
Iron,Dissolved	0.200		0.0226	0.100	1	01/18/2025 17:19	WG2435104
Lead,Dissolved	U		0.000500	0.00200	1	01/18/2025 17:19	WG2435104
Manganese,Dissolved	0.0462		0.000700	0.00500	1	01/18/2025 17:19	WG2435104
Molybdenum,Dissolved	0.00289	J	0.000500	0.00500	1	01/18/2025 17:19	WG2435104
Nickel,Dissolved	0.00315		0.000500	0.00200	1	01/18/2025 19:51	WG2435104
Selenium,Dissolved	0.00353		0.000250	0.00200	1	01/18/2025 17:19	WG2435104
Silver,Dissolved	U		0.000110	0.00200	1	01/18/2025 17:19	WG2435104
Uranium,Dissolved	0.00132		0.000130	0.00100	1	01/18/2025 19:51	WG2435104
Zinc,Dissolved	0.00499	J	0.00400	0.0250	1	01/18/2025 17:19	WG2435104

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	01/19/2025 11:38	WG2435938
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*78.0-120*		*01/19/2025 11:38*	WG2435938

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	01/17/2025 02:16	WG2434876
Benzene	U		0.0000941	0.00100	1	01/17/2025 02:16	WG2434876
Bromodichloromethane	U		0.000136	0.00100	1	01/17/2025 02:16	WG2434876
Bromoform	U	C3	0.000129	0.00100	1	01/17/2025 02:16	WG2434876
Bromomethane	U	J4	0.000605	0.00500	1	01/17/2025 02:16	WG2434876
n-Butylbenzene	U		0.000157	0.00100	1	01/17/2025 02:16	WG2434876
sec-Butylbenzene	U		0.000125	0.00100	1	01/17/2025 02:16	WG2434876
tert-Butylbenzene	U		0.000127	0.00100	1	01/17/2025 02:16	WG2434876
Carbon disulfide	0.000225	B J	0.0000962	0.00100	1	01/17/2025 02:16	WG2434876
Carbon tetrachloride	U		0.000128	0.00100	1	01/17/2025 02:16	WG2434876
Chlorobenzene	U		0.000116	0.00100	1	01/17/2025 02:16	WG2434876
Chlorodibromomethane	U		0.000140	0.00100	1	01/17/2025 02:16	WG2434876
Chloroethane	U		0.000192	0.00500	1	01/17/2025 02:16	WG2434876
Chloroform	U		0.000111	0.00500	1	01/17/2025 02:16	WG2434876
Chloromethane	U		0.000960	0.00250	1	01/17/2025 02:16	WG2434876
1,2-Dibromoethane	U		0.000126	0.00100	1	01/17/2025 02:16	WG2434876
1,1-Dichloroethane	U		0.000100	0.00100	1	01/17/2025 02:16	WG2434876
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/17/2025 02:16	WG2434876
1,1-Dichloroethene	U		0.000188	0.00100	1	01/17/2025 02:16	WG2434876
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/17/2025 02:16	WG2434876
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/17/2025 02:16	WG2434876
1,2-Dichloropropane	U		0.000149	0.00100	1	01/17/2025 02:16	WG2434876
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/17/2025 02:16	WG2434876
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/17/2025 02:16	WG2434876
Ethylbenzene	U		0.000137	0.00100	1	01/17/2025 02:16	WG2434876
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/17/2025 02:16	WG2434876
2-Hexanone	U		0.000787	0.0100	1	01/17/2025 02:16	WG2434876
Isopropylbenzene	U		0.000105	0.00100	1	01/17/2025 02:16	WG2434876
p-Isopropyltoluene	U		0.000120	0.00100	1	01/17/2025 02:16	WG2434876
2-Butanone (MEK)	U		0.00119	0.0100	1	01/17/2025 02:16	WG2434876
Methylene Chloride	U		0.000430	0.00500	1	01/17/2025 02:16	WG2434876
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/17/2025 02:16	WG2434876
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/17/2025 02:16	WG2434876
Naphthalene	U		0.00100	0.00500	1	01/17/2025 02:16	WG2434876
n-Propylbenzene	U		0.0000993	0.00100	1	01/17/2025 02:16	WG2434876
Styrene	U		0.000118	0.00100	1	01/17/2025 02:16	WG2434876
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/17/2025 02:16	WG2434876
Tetrachloroethene	U		0.000300	0.00100	1	01/17/2025 02:16	WG2434876
Toluene	U		0.000278	0.00100	1	01/17/2025 02:16	WG2434876
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/17/2025 02:16	WG2434876
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/17/2025 02:16	WG2434876
Trichloroethene	U		0.000190	0.00100	1	01/17/2025 02:16	WG2434876
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/17/2025 02:16	WG2434876
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/17/2025 02:16	WG2434876
Vinyl chloride	U		0.000234	0.00100	1	01/17/2025 02:16	WG2434876
Xylenes, Total	U		0.000174	0.00300	1	01/17/2025 02:16	WG2434876
(S) Toluene-d8	*103*			*80.0-120*		*01/17/2025 02:16*	WG2434876
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*01/17/2025 02:16*	WG2434876
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*01/17/2025 02:16*	WG2434876

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	01/23/2025 22:52	WG2437797
(S) o-Terphenyl	*108*			*52.0-156*		*01/23/2025 22:52*	WG2437797

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	01/18/2025 03:50	WG2434941
Acenaphthylene	U		0.0000921	0.00100	1	01/18/2025 03:50	WG2434941
Acetophenone	U		0.000208	0.0100	1	01/18/2025 03:50	WG2434941
Anthracene	U		0.0000804	0.00100	1	01/18/2025 03:50	WG2434941
Atrazine	U		0.000255	0.0100	1	01/18/2025 03:50	WG2434941
Benzo(a)anthracene	U		0.000199	0.00100	1	01/18/2025 03:50	WG2434941
Benzaldehyde	U		0.00169	0.0100	1	01/18/2025 03:50	WG2434941
Benzo(b)fluoranthene	U		0.000130	0.00100	1	01/18/2025 03:50	WG2434941
Benzo(k)fluoranthene	U		0.000120	0.00100	1	01/18/2025 03:50	WG2434941
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	01/18/2025 03:50	WG2434941
Benzo(a)pyrene	U		0.0000381	0.000200	1	01/18/2025 03:50	WG2434941
Biphenyl	U		0.000790	0.0100	1	01/18/2025 03:50	WG2434941
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	01/18/2025 03:50	WG2434941
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	01/18/2025 03:50	WG2434941
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	01/18/2025 03:50	WG2434941
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	01/18/2025 03:50	WG2434941
2-Chloronaphthalene	U		0.0000648	0.00100	1	01/18/2025 03:50	WG2434941
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	01/18/2025 03:50	WG2434941
Caprolactam	U		0.000309	0.0100	1	01/18/2025 03:50	WG2434941
Carbazole	U		0.000111	0.0100	1	01/18/2025 03:50	WG2434941
Chrysene	U		0.000130	0.00100	1	01/18/2025 03:50	WG2434941
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	01/18/2025 03:50	WG2434941
Dibenzofuran	U		0.0000970	0.0100	1	01/18/2025 03:50	WG2434941
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	01/18/2025 03:50	WG2434941
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	01/18/2025 03:50	WG2434941
2,6-Dinitrotoluene	U		0.000250	0.0100	1	01/18/2025 03:50	WG2434941
Fluoranthene	U		0.000102	0.00100	1	01/18/2025 03:50	WG2434941
Fluorene	U		0.0000844	0.00100	1	01/18/2025 03:50	WG2434941
Hexachlorobenzene	U		0.0000755	0.00100	1	01/18/2025 03:50	WG2434941
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	01/18/2025 03:50	WG2434941
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	01/18/2025 03:50	WG2434941
Hexachloroethane	U		0.000127	0.0100	1	01/18/2025 03:50	WG2434941
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	01/18/2025 03:50	WG2434941
Isophorone	U		0.000143	0.0100	1	01/18/2025 03:50	WG2434941
1-Methylnaphthalene	U		0.0000790	0.00100	1	01/18/2025 03:50	WG2434941
2-Methylnaphthalene	U		0.000117	0.00100	1	01/18/2025 03:50	WG2434941
Naphthalene	U		0.000159	0.00100	1	01/18/2025 03:50	WG2434941
Nitrobenzene	U		0.000297	0.0100	1	01/18/2025 03:50	WG2434941
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	01/18/2025 03:50	WG2434941
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	01/18/2025 03:50	WG2434941
Phenanthrene	U		0.000112	0.00100	1	01/18/2025 03:50	WG2434941
Benzylbutyl phthalate	U		0.000765	0.00300	1	01/18/2025 03:50	WG2434941
Bis(2-ethylhexyl)phthalate	0.00200	J	0.000895	0.00300	1	01/18/2025 03:50	WG2434941
Di-n-butyl phthalate	U		0.000453	0.00300	1	01/18/2025 03:50	WG2434941
Diethyl phthalate	U		0.000287	0.00300	1	01/18/2025 03:50	WG2434941
Dimethyl phthalate	U		0.000260	0.00300	1	01/18/2025 03:50	WG2434941
Di-n-octyl phthalate	U		0.000932	0.00300	1	01/18/2025 03:50	WG2434941
Pyrene	U		0.000107	0.00100	1	01/18/2025 03:50	WG2434941
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	01/18/2025 03:50	WG2434941
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	01/18/2025 03:50	WG2434941
2-Chlorophenol	U		0.000133	0.0100	1	01/18/2025 03:50	WG2434941
2,4-Dichlorophenol	U		0.000102	0.0100	1	01/18/2025 03:50	WG2434941
2,4-Dimethylphenol	U		0.0000636	0.0100	1	01/18/2025 03:50	WG2434941
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	01/18/2025 03:50	WG2434941
2,4-Dinitrophenol	U		0.00593	0.0100	1	01/18/2025 03:50	WG2434941
2-Nitrophenol	U		0.000117	0.0100	1	01/18/2025 03:50	WG2434941

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.000102	0.0100	1	01/18/2025 03:50	WG2434941
2-Methylphenol	U		0.0000929	0.0100	1	01/18/2025 03:50	WG2434941
3&4-Methyl Phenol	U		0.000168	0.0100	1	01/18/2025 03:50	WG2434941
3-Nitroaniline	U		0.0000869	0.0100	1	01/18/2025 03:50	WG2434941
4-Chloroaniline	U		0.000234	0.0100	1	01/18/2025 03:50	WG2434941
4-Nitroaniline	U		0.0000910	0.0100	1	01/18/2025 03:50	WG2434941
4-Nitrophenol	U		0.000143	0.0100	1	01/18/2025 03:50	WG2434941
Pentachlorophenol	U	C3 J4	0.000313	0.0100	1	01/18/2025 03:50	WG2434941
Phenol	U		0.00433	0.0100	1	01/18/2025 03:50	WG2434941
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	01/18/2025 03:50	WG2434941
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	01/18/2025 03:50	WG2434941
(S) 2-Fluorophenol	*26.2*			*10.0-120*		*01/18/2025 03:50*	WG2434941
(S) Phenol-d5	*16.9*			*10.0-120*		*01/18/2025 03:50*	WG2434941
(S) Nitrobenzene-d5	*53.7*			*10.0-127*		*01/18/2025 03:50*	WG2434941
(S) 2-Fluorobiphenyl	*58.9*			*10.0-130*		*01/18/2025 03:50*	WG2434941
(S) 2,4,6-Tribromophenol	*41.6*			*10.0-155*		*01/18/2025 03:50*	WG2434941
(S) p-Terphenyl-d14	*64.5*			*10.0-128*		*01/18/2025 03:50*	WG2434941

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	862		20.0	1	01/17/2025 14:09	WG2434671

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	283		2.74	5.00	5	01/16/2025 21:16	WG2434366
Fluoride	0.785		0.0761	0.150	1	01/16/2025 21:03	WG2434366
Nitrate as (N)	3.02		0.0884	0.100	1	01/16/2025 21:03	WG2434366
Nitrite as (N)	U		0.0794	0.100	1	01/16/2025 21:03	WG2434366
Sulfate	90.2		0.637	5.00	1	01/16/2025 21:03	WG2434366

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	01/22/2025 01:48	WG2435013

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.170	J	0.0232	0.200	1	01/19/2025 20:14	WG2434631

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	01/18/2025 17:43	WG2435104
Arsenic,Dissolved	0.00453		0.000120	0.00200	1	01/18/2025 17:43	WG2435104
Barium,Dissolved	0.0968		0.000500	0.00200	1	01/18/2025 17:43	WG2435104
Cadmium,Dissolved	U		0.000120	0.00100	1	01/18/2025 17:43	WG2435104
Chromium,Dissolved	0.00112	J	0.000900	0.00200	1	01/18/2025 17:43	WG2435104
Copper,Dissolved	0.00249	J	0.000700	0.00500	1	01/18/2025 17:43	WG2435104
Cobalt,Dissolved	U		0.000100	0.00200	1	01/18/2025 17:43	WG2435104
Iron,Dissolved	U		0.0226	0.100	1	01/18/2025 17:43	WG2435104
Lead,Dissolved	U		0.000500	0.00200	1	01/18/2025 17:43	WG2435104
Manganese,Dissolved	0.00217	J	0.000700	0.00500	1	01/18/2025 17:43	WG2435104
Molybdenum,Dissolved	0.00194	J	0.000500	0.00500	1	01/18/2025 17:43	WG2435104
Nickel,Dissolved	0.0100		0.000500	0.00200	1	01/18/2025 19:54	WG2435104
Selenium,Dissolved	0.00353		0.000250	0.00200	1	01/18/2025 17:43	WG2435104
Silver,Dissolved	U		0.000110	0.00200	1	01/18/2025 17:43	WG2435104
Uranium,Dissolved	0.00195		0.000130	0.00100	1	01/18/2025 19:54	WG2435104
Zinc,Dissolved	0.0307		0.00400	0.0250	1	01/18/2025 17:43	WG2435104

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	01/19/2025 12:00	WG2435938
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*78.0-120*		*01/19/2025 12:00*	WG2435938

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	01/17/2025 02:39	WG2434876
Benzene	U		0.0000941	0.00100	1	01/17/2025 02:39	WG2434876
Bromodichloromethane	U		0.000136	0.00100	1	01/17/2025 02:39	WG2434876
Bromoform	U	C3	0.000129	0.00100	1	01/17/2025 02:39	WG2434876
Bromomethane	U	J4	0.000605	0.00500	1	01/17/2025 02:39	WG2434876
n-Butylbenzene	U		0.000157	0.00100	1	01/17/2025 02:39	WG2434876
sec-Butylbenzene	U		0.000125	0.00100	1	01/17/2025 02:39	WG2434876
tert-Butylbenzene	U		0.000127	0.00100	1	01/17/2025 02:39	WG2434876
Carbon disulfide	0.000209	B J	0.0000962	0.00100	1	01/17/2025 02:39	WG2434876
Carbon tetrachloride	0.000237	J	0.000128	0.00100	1	01/17/2025 02:39	WG2434876
Chlorobenzene	U		0.000116	0.00100	1	01/17/2025 02:39	WG2434876
Chlorodibromomethane	U		0.000140	0.00100	1	01/17/2025 02:39	WG2434876
Chloroethane	U		0.000192	0.00500	1	01/17/2025 02:39	WG2434876
Chloroform	0.000750	J	0.000111	0.00500	1	01/17/2025 02:39	WG2434876
Chloromethane	U		0.000960	0.00250	1	01/17/2025 02:39	WG2434876
1,2-Dibromoethane	U		0.000126	0.00100	1	01/17/2025 02:39	WG2434876
1,1-Dichloroethane	U		0.000100	0.00100	1	01/17/2025 02:39	WG2434876
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/17/2025 02:39	WG2434876
1,1-Dichloroethene	U		0.000188	0.00100	1	01/17/2025 02:39	WG2434876
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/17/2025 02:39	WG2434876
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/17/2025 02:39	WG2434876
1,2-Dichloropropane	U		0.000149	0.00100	1	01/17/2025 02:39	WG2434876
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/17/2025 02:39	WG2434876
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/17/2025 02:39	WG2434876
Ethylbenzene	U		0.000137	0.00100	1	01/17/2025 02:39	WG2434876
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/17/2025 02:39	WG2434876
2-Hexanone	U		0.000787	0.0100	1	01/17/2025 02:39	WG2434876
Isopropylbenzene	U		0.000105	0.00100	1	01/17/2025 02:39	WG2434876
p-Isopropyltoluene	U		0.000120	0.00100	1	01/17/2025 02:39	WG2434876
2-Butanone (MEK)	U		0.00119	0.0100	1	01/17/2025 02:39	WG2434876
Methylene Chloride	U		0.000430	0.00500	1	01/17/2025 02:39	WG2434876
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/17/2025 02:39	WG2434876
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/17/2025 02:39	WG2434876
Naphthalene	U		0.00100	0.00500	1	01/17/2025 02:39	WG2434876
n-Propylbenzene	U		0.0000993	0.00100	1	01/17/2025 02:39	WG2434876
Styrene	U		0.000118	0.00100	1	01/17/2025 02:39	WG2434876
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/17/2025 02:39	WG2434876
Tetrachloroethene	U		0.000300	0.00100	1	01/17/2025 02:39	WG2434876
Toluene	U		0.000278	0.00100	1	01/17/2025 02:39	WG2434876
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/17/2025 02:39	WG2434876
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/17/2025 02:39	WG2434876
Trichloroethene	U		0.000190	0.00100	1	01/17/2025 02:39	WG2434876
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/17/2025 02:39	WG2434876
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/17/2025 02:39	WG2434876
Vinyl chloride	U		0.000234	0.00100	1	01/17/2025 02:39	WG2434876
Xylenes, Total	U		0.000174	0.00300	1	01/17/2025 02:39	WG2434876
(S) Toluene-d8	*102*			*80.0-120*		*01/17/2025 02:39*	WG2434876
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/17/2025 02:39*	WG2434876
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*01/17/2025 02:39*	WG2434876

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	01/23/2025 23:15	WG2437797
(S) o-Terphenyl	*107*			*52.0-156*		*01/23/2025 23:15*	WG2437797

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	01/18/2025 01:40	WG2434941
Acenaphthylene	U		0.0000921	0.00100	1	01/18/2025 01:40	WG2434941
Acetophenone	U		0.000208	0.0100	1	01/18/2025 01:40	WG2434941
Anthracene	U		0.0000804	0.00100	1	01/18/2025 01:40	WG2434941
Atrazine	U		0.000255	0.0100	1	01/18/2025 01:40	WG2434941
Benzo(a)anthracene	U		0.000199	0.00100	1	01/18/2025 01:40	WG2434941
Benzaldehyde	U		0.00169	0.0100	1	01/18/2025 01:40	WG2434941
Benzo(b)fluoranthene	U		0.000130	0.00100	1	01/18/2025 01:40	WG2434941
Benzo(k)fluoranthene	U		0.000120	0.00100	1	01/18/2025 01:40	WG2434941
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	01/18/2025 01:40	WG2434941
Benzo(a)pyrene	U		0.0000381	0.000200	1	01/18/2025 01:40	WG2434941
Biphenyl	U		0.000790	0.0100	1	01/18/2025 01:40	WG2434941
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	01/18/2025 01:40	WG2434941
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	01/18/2025 01:40	WG2434941
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	01/18/2025 01:40	WG2434941
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	01/18/2025 01:40	WG2434941
2-Chloronaphthalene	U		0.0000648	0.00100	1	01/18/2025 01:40	WG2434941
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	01/18/2025 01:40	WG2434941
Caprolactam	U		0.000309	0.0100	1	01/18/2025 01:40	WG2434941
Carbazole	U		0.000111	0.0100	1	01/18/2025 01:40	WG2434941
Chrysene	U		0.000130	0.00100	1	01/18/2025 01:40	WG2434941
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	01/18/2025 01:40	WG2434941
Dibenzofuran	U		0.0000970	0.0100	1	01/18/2025 01:40	WG2434941
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	01/18/2025 01:40	WG2434941
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	01/18/2025 01:40	WG2434941
2,6-Dinitrotoluene	U		0.000250	0.0100	1	01/18/2025 01:40	WG2434941
Fluoranthene	U		0.000102	0.00100	1	01/18/2025 01:40	WG2434941
Fluorene	U		0.0000844	0.00100	1	01/18/2025 01:40	WG2434941
Hexachlorobenzene	U		0.0000755	0.00100	1	01/18/2025 01:40	WG2434941
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	01/18/2025 01:40	WG2434941
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	01/18/2025 01:40	WG2434941
Hexachloroethane	U		0.000127	0.0100	1	01/18/2025 01:40	WG2434941
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	01/18/2025 01:40	WG2434941
Isophorone	U		0.000143	0.0100	1	01/18/2025 01:40	WG2434941
1-Methylnaphthalene	U		0.0000790	0.00100	1	01/18/2025 01:40	WG2434941
2-Methylnaphthalene	U		0.000117	0.00100	1	01/18/2025 01:40	WG2434941
Naphthalene	U		0.000159	0.00100	1	01/18/2025 01:40	WG2434941
Nitrobenzene	U		0.000297	0.0100	1	01/18/2025 01:40	WG2434941
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	01/18/2025 01:40	WG2434941
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	01/18/2025 01:40	WG2434941
Phenanthrene	U		0.000112	0.00100	1	01/18/2025 01:40	WG2434941
Benzylbutyl phthalate	U		0.000765	0.00300	1	01/18/2025 01:40	WG2434941
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	01/18/2025 01:40	WG2434941
Di-n-butyl phthalate	U		0.000453	0.00300	1	01/18/2025 01:40	WG2434941
Diethyl phthalate	U		0.000287	0.00300	1	01/18/2025 01:40	WG2434941
Dimethyl phthalate	U		0.000260	0.00300	1	01/18/2025 01:40	WG2434941
Di-n-octyl phthalate	U		0.000932	0.00300	1	01/18/2025 01:40	WG2434941
Pyrene	U		0.000107	0.00100	1	01/18/2025 01:40	WG2434941
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	01/18/2025 01:40	WG2434941
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	01/18/2025 01:40	WG2434941
2-Chlorophenol	U		0.000133	0.0100	1	01/18/2025 01:40	WG2434941
2,4-Dichlorophenol	U		0.000102	0.0100	1	01/18/2025 01:40	WG2434941
2,4-Dimethylphenol	U		0.0000636	0.0100	1	01/18/2025 01:40	WG2434941
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	01/18/2025 01:40	WG2434941
2,4-Dinitrophenol	U		0.00593	0.0100	1	01/18/2025 01:40	WG2434941
2-Nitrophenol	U		0.000117	0.0100	1	01/18/2025 01:40	WG2434941

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.000102	0.0100	1	01/18/2025 01:40	WG2434941
2-Methylphenol	U		0.0000929	0.0100	1	01/18/2025 01:40	WG2434941
3&4-Methyl Phenol	U		0.000168	0.0100	1	01/18/2025 01:40	WG2434941
3-Nitroaniline	U		0.0000869	0.0100	1	01/18/2025 01:40	WG2434941
4-Chloroaniline	U		0.000234	0.0100	1	01/18/2025 01:40	WG2434941
4-Nitroaniline	U		0.0000910	0.0100	1	01/18/2025 01:40	WG2434941
4-Nitrophenol	U		0.000143	0.0100	1	01/18/2025 01:40	WG2434941
Pentachlorophenol	U	C3 J4	0.000313	0.0100	1	01/18/2025 01:40	WG2434941
Phenol	U		0.00433	0.0100	1	01/18/2025 01:40	WG2434941
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	01/18/2025 01:40	WG2434941
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	01/18/2025 01:40	WG2434941
(S) 2-Fluorophenol	*27.9*			*10.0-120*		*01/18/2025 01:40*	WG2434941
(S) Phenol-d5	*19.1*			*10.0-120*		*01/18/2025 01:40*	WG2434941
(S) Nitrobenzene-d5	*46.5*			*10.0-127*		*01/18/2025 01:40*	WG2434941
(S) 2-Fluorobiphenyl	*56.1*			*10.0-130*		*01/18/2025 01:40*	WG2434941
(S) 2,4,6-Tribromophenol	*40.5*			*10.0-155*		*01/18/2025 01:40*	WG2434941
(S) p-Terphenyl-d14	*67.8*			*10.0-128*		*01/18/2025 01:40*	WG2434941

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	487		10.0	1	01/17/2025 14:09	WG2434671

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	88.9		0.547	1.00	1	01/16/2025 21:30	WG2434366
Fluoride	1.01		0.0761	0.150	1	01/16/2025 21:30	WG2434366
Nitrate as (N)	2.79		0.0884	0.100	1	01/16/2025 21:30	WG2434366
Nitrite as (N)	U		0.0794	0.100	1	01/16/2025 21:30	WG2434366
Sulfate	86.5		0.637	5.00	1	01/16/2025 21:30	WG2434366

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	01/22/2025 01:50	WG2435013

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.133	J	0.0232	0.200	1	01/19/2025 20:16	WG2434631

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	01/18/2025 17:46	WG2435104
Arsenic,Dissolved	0.00498		0.000120	0.00200	1	01/18/2025 17:46	WG2435104
Barium,Dissolved	0.0828		0.000500	0.00200	1	01/18/2025 17:46	WG2435104
Cadmium,Dissolved	U		0.000120	0.00100	1	01/18/2025 17:46	WG2435104
Chromium,Dissolved	0.00237		0.000900	0.00200	1	01/18/2025 17:46	WG2435104
Copper,Dissolved	0.00213	J	0.000700	0.00500	1	01/18/2025 17:46	WG2435104
Cobalt,Dissolved	0.000128	J	0.000100	0.00200	1	01/18/2025 17:46	WG2435104
Iron,Dissolved	U		0.0226	0.100	1	01/18/2025 17:46	WG2435104
Lead,Dissolved	U		0.000500	0.00200	1	01/18/2025 17:46	WG2435104
Manganese,Dissolved	0.00135	J	0.000700	0.00500	1	01/18/2025 17:46	WG2435104
Molybdenum,Dissolved	0.00256	J	0.000500	0.00500	1	01/18/2025 17:46	WG2435104
Nickel,Dissolved	0.00113	J	0.000500	0.00200	1	01/18/2025 17:46	WG2435104
Selenium,Dissolved	0.00403		0.000250	0.00200	1	01/18/2025 17:46	WG2435104
Silver,Dissolved	U		0.000110	0.00200	1	01/18/2025 17:46	WG2435104
Uranium,Dissolved	0.00171		0.000130	0.00100	1	01/18/2025 19:57	WG2435104
Zinc,Dissolved	0.0154	J	0.00400	0.0250	1	01/18/2025 17:46	WG2435104

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	01/19/2025 12:22	WG2435938
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*78.0-120*		*01/19/2025 12:22*	WG2435938

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	01/17/2025 03:01	WG2434876
Benzene	U		0.0000941	0.00100	1	01/17/2025 03:01	WG2434876
Bromodichloromethane	U		0.000136	0.00100	1	01/17/2025 03:01	WG2434876
Bromoform	U	C3	0.000129	0.00100	1	01/17/2025 03:01	WG2434876
Bromomethane	U	J4	0.000605	0.00500	1	01/17/2025 03:01	WG2434876
n-Butylbenzene	U		0.000157	0.00100	1	01/17/2025 03:01	WG2434876
sec-Butylbenzene	U		0.000125	0.00100	1	01/17/2025 03:01	WG2434876
tert-Butylbenzene	U		0.000127	0.00100	1	01/17/2025 03:01	WG2434876
Carbon disulfide	0.000211	B J	0.0000962	0.00100	1	01/17/2025 03:01	WG2434876
Carbon tetrachloride	U		0.000128	0.00100	1	01/17/2025 03:01	WG2434876
Chlorobenzene	U		0.000116	0.00100	1	01/17/2025 03:01	WG2434876
Chlorodibromomethane	U		0.000140	0.00100	1	01/17/2025 03:01	WG2434876
Chloroethane	U		0.000192	0.00500	1	01/17/2025 03:01	WG2434876
Chloroform	U		0.000111	0.00500	1	01/17/2025 03:01	WG2434876
Chloromethane	U		0.000960	0.00250	1	01/17/2025 03:01	WG2434876
1,2-Dibromoethane	U		0.000126	0.00100	1	01/17/2025 03:01	WG2434876
1,1-Dichloroethane	U		0.000100	0.00100	1	01/17/2025 03:01	WG2434876
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/17/2025 03:01	WG2434876
1,1-Dichloroethene	U		0.000188	0.00100	1	01/17/2025 03:01	WG2434876
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/17/2025 03:01	WG2434876
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/17/2025 03:01	WG2434876
1,2-Dichloropropane	U		0.000149	0.00100	1	01/17/2025 03:01	WG2434876
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/17/2025 03:01	WG2434876
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/17/2025 03:01	WG2434876
Ethylbenzene	U		0.000137	0.00100	1	01/17/2025 03:01	WG2434876
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/17/2025 03:01	WG2434876
2-Hexanone	U		0.000787	0.0100	1	01/17/2025 03:01	WG2434876
Isopropylbenzene	U		0.000105	0.00100	1	01/17/2025 03:01	WG2434876
p-Isopropyltoluene	U		0.000120	0.00100	1	01/17/2025 03:01	WG2434876
2-Butanone (MEK)	U		0.00119	0.0100	1	01/17/2025 03:01	WG2434876
Methylene Chloride	U		0.000430	0.00500	1	01/17/2025 03:01	WG2434876
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/17/2025 03:01	WG2434876
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/17/2025 03:01	WG2434876
Naphthalene	U		0.00100	0.00500	1	01/17/2025 03:01	WG2434876
n-Propylbenzene	U		0.0000993	0.00100	1	01/17/2025 03:01	WG2434876
Styrene	U		0.000118	0.00100	1	01/17/2025 03:01	WG2434876
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/17/2025 03:01	WG2434876
Tetrachloroethene	U		0.000300	0.00100	1	01/17/2025 03:01	WG2434876
Toluene	U		0.000278	0.00100	1	01/17/2025 03:01	WG2434876
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/17/2025 03:01	WG2434876
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/17/2025 03:01	WG2434876
Trichloroethene	U		0.000190	0.00100	1	01/17/2025 03:01	WG2434876
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/17/2025 03:01	WG2434876
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/17/2025 03:01	WG2434876
Vinyl chloride	U		0.000234	0.00100	1	01/17/2025 03:01	WG2434876
Xylenes, Total	U		0.000174	0.00300	1	01/17/2025 03:01	WG2434876
(S) Toluene-d8	*102*			*80.0-120*		*01/17/2025 03:01*	WG2434876
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*01/17/2025 03:01*	WG2434876
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*		*01/17/2025 03:01*	WG2434876

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	01/23/2025 23:37	WG2437797
(S) o-Terphenyl	*111*			*52.0-156*		*01/23/2025 23:37*	WG2437797

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	01/18/2025 02:02	WG2434941
Acenaphthylene	U		0.0000921	0.00100	1	01/18/2025 02:02	WG2434941
Acetophenone	U		0.000208	0.0100	1	01/18/2025 02:02	WG2434941
Anthracene	U		0.0000804	0.00100	1	01/18/2025 02:02	WG2434941
Atrazine	U		0.000255	0.0100	1	01/18/2025 02:02	WG2434941
Benzo(a)anthracene	U		0.000199	0.00100	1	01/18/2025 02:02	WG2434941
Benzaldehyde	U		0.00169	0.0100	1	01/18/2025 02:02	WG2434941
Benzo(b)fluoranthene	U		0.000130	0.00100	1	01/18/2025 02:02	WG2434941
Benzo(k)fluoranthene	U		0.000120	0.00100	1	01/18/2025 02:02	WG2434941
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	01/18/2025 02:02	WG2434941
Benzo(a)pyrene	U		0.0000381	0.000200	1	01/18/2025 02:02	WG2434941
Biphenyl	U		0.000790	0.0100	1	01/18/2025 02:02	WG2434941
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	01/18/2025 02:02	WG2434941
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	01/18/2025 02:02	WG2434941
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	01/18/2025 02:02	WG2434941
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	01/18/2025 02:02	WG2434941
2-Chloronaphthalene	U		0.0000648	0.00100	1	01/18/2025 02:02	WG2434941
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	01/18/2025 02:02	WG2434941
Caprolactam	U		0.000309	0.0100	1	01/18/2025 02:02	WG2434941
Carbazole	U		0.000111	0.0100	1	01/18/2025 02:02	WG2434941
Chrysene	U		0.000130	0.00100	1	01/18/2025 02:02	WG2434941
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	01/18/2025 02:02	WG2434941
Dibenzofuran	U		0.0000970	0.0100	1	01/18/2025 02:02	WG2434941
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	01/18/2025 02:02	WG2434941
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	01/18/2025 02:02	WG2434941
2,6-Dinitrotoluene	U		0.000250	0.0100	1	01/18/2025 02:02	WG2434941
Fluoranthene	U		0.000102	0.00100	1	01/18/2025 02:02	WG2434941
Fluorene	U		0.0000844	0.00100	1	01/18/2025 02:02	WG2434941
Hexachlorobenzene	U		0.0000755	0.00100	1	01/18/2025 02:02	WG2434941
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	01/18/2025 02:02	WG2434941
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	01/18/2025 02:02	WG2434941
Hexachloroethane	U		0.000127	0.0100	1	01/18/2025 02:02	WG2434941
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	01/18/2025 02:02	WG2434941
Isophorone	U		0.000143	0.0100	1	01/18/2025 02:02	WG2434941
1-Methylnaphthalene	U		0.0000790	0.00100	1	01/18/2025 02:02	WG2434941
2-Methylnaphthalene	U		0.000117	0.00100	1	01/18/2025 02:02	WG2434941
Naphthalene	U		0.000159	0.00100	1	01/18/2025 02:02	WG2434941
Nitrobenzene	U		0.000297	0.0100	1	01/18/2025 02:02	WG2434941
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	01/18/2025 02:02	WG2434941
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	01/18/2025 02:02	WG2434941
Phenanthrene	U		0.000112	0.00100	1	01/18/2025 02:02	WG2434941
Benzylbutyl phthalate	U		0.000765	0.00300	1	01/18/2025 02:02	WG2434941
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	01/18/2025 02:02	WG2434941
Di-n-butyl phthalate	U		0.000453	0.00300	1	01/18/2025 02:02	WG2434941
Diethyl phthalate	U		0.000287	0.00300	1	01/18/2025 02:02	WG2434941
Dimethyl phthalate	U		0.000260	0.00300	1	01/18/2025 02:02	WG2434941
Di-n-octyl phthalate	U		0.000932	0.00300	1	01/18/2025 02:02	WG2434941
Pyrene	U		0.000107	0.00100	1	01/18/2025 02:02	WG2434941
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	01/18/2025 02:02	WG2434941
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	01/18/2025 02:02	WG2434941
2-Chlorophenol	U		0.000133	0.0100	1	01/18/2025 02:02	WG2434941
2,4-Dichlorophenol	U		0.000102	0.0100	1	01/18/2025 02:02	WG2434941
2,4-Dimethylphenol	U		0.0000636	0.0100	1	01/18/2025 02:02	WG2434941
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	01/18/2025 02:02	WG2434941
2,4-Dinitrophenol	U		0.00593	0.0100	1	01/18/2025 02:02	WG2434941
2-Nitrophenol	U		0.000117	0.0100	1	01/18/2025 02:02	WG2434941

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.000102	0.0100	1	01/18/2025 02:02	WG2434941
2-Methylphenol	U		0.0000929	0.0100	1	01/18/2025 02:02	WG2434941
3&4-Methyl Phenol	U		0.000168	0.0100	1	01/18/2025 02:02	WG2434941
3-Nitroaniline	U		0.0000869	0.0100	1	01/18/2025 02:02	WG2434941
4-Chloroaniline	U		0.000234	0.0100	1	01/18/2025 02:02	WG2434941
4-Nitroaniline	U		0.0000910	0.0100	1	01/18/2025 02:02	WG2434941
4-Nitrophenol	U		0.000143	0.0100	1	01/18/2025 02:02	WG2434941
Pentachlorophenol	U	C3 J4	0.000313	0.0100	1	01/18/2025 02:02	WG2434941
Phenol	U		0.00433	0.0100	1	01/18/2025 02:02	WG2434941
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	01/18/2025 02:02	WG2434941
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	01/18/2025 02:02	WG2434941
(S) 2-Fluorophenol	*29.2*			*10.0-120*		*01/18/2025 02:02*	WG2434941
(S) Phenol-d5	*19.2*			*10.0-120*		*01/18/2025 02:02*	WG2434941
(S) Nitrobenzene-d5	*49.0*			*10.0-127*		*01/18/2025 02:02*	WG2434941
(S) 2-Fluorobiphenyl	*54.8*			*10.0-130*		*01/18/2025 02:02*	WG2434941
(S) 2,4,6-Tribromophenol	*36.8*			*10.0-155*		*01/18/2025 02:02*	WG2434941
(S) p-Terphenyl-d14	*66.4*			*10.0-128*		*01/18/2025 02:02*	WG2434941

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	856		20.0	1	01/17/2025 14:09	WG2434671

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	284		2.74	5.00	5	01/16/2025 22:37	WG2434366
Fluoride	0.780		0.0761	0.150	1	01/16/2025 21:57	WG2434366
Nitrate as (N)	3.00		0.0884	0.100	1	01/16/2025 21:57	WG2434366
Nitrite as (N)	U		0.0794	0.100	1	01/16/2025 21:57	WG2434366
Sulfate	89.5		0.637	5.00	1	01/16/2025 21:57	WG2434366

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	01/22/2025 01:53	WG2435013

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.167	J	0.0232	0.200	1	01/19/2025 20:18	WG2434631

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	01/18/2025 17:50	WG2435104
Arsenic,Dissolved	0.00493		0.000120	0.00200	1	01/18/2025 17:50	WG2435104
Barium,Dissolved	0.0957		0.000500	0.00200	1	01/18/2025 17:50	WG2435104
Cadmium,Dissolved	U		0.000120	0.00100	1	01/18/2025 17:50	WG2435104
Chromium,Dissolved	0.00109	J	0.000900	0.00200	1	01/18/2025 17:50	WG2435104
Copper,Dissolved	0.00566		0.000700	0.00500	1	01/18/2025 17:50	WG2435104
Cobalt,Dissolved	U		0.000100	0.00200	1	01/18/2025 17:50	WG2435104
Iron,Dissolved	U		0.0226	0.100	1	01/18/2025 17:50	WG2435104
Lead,Dissolved	U		0.000500	0.00200	1	01/18/2025 17:50	WG2435104
Manganese,Dissolved	0.00175	J	0.000700	0.00500	1	01/18/2025 17:50	WG2435104
Molybdenum,Dissolved	0.00210	J	0.000500	0.00500	1	01/18/2025 17:50	WG2435104
Nickel,Dissolved	0.00799		0.000500	0.00200	1	01/18/2025 20:00	WG2435104
Selenium,Dissolved	0.00386		0.000250	0.00200	1	01/18/2025 17:50	WG2435104
Silver,Dissolved	U		0.000110	0.00200	1	01/18/2025 17:50	WG2435104
Uranium,Dissolved	0.00192		0.000130	0.00100	1	01/18/2025 20:00	WG2435104
Zinc,Dissolved	0.0308		0.00400	0.0250	1	01/18/2025 17:50	WG2435104

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	01/19/2025 12:44	WG2435938
(S) a,a,a-Trifluorotoluene(FID)	*99.5*			*78.0-120*		*01/19/2025 12:44*	WG2435938

DUP-01
Collected date/time: 01/15/25 15:00
L1817497

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	01/17/2025 03:23	WG2434876
Benzene	U		0.0000941	0.00100	1	01/17/2025 03:23	WG2434876
Bromodichloromethane	U		0.000136	0.00100	1	01/17/2025 03:23	WG2434876
Bromoform	U	C3	0.000129	0.00100	1	01/17/2025 03:23	WG2434876
Bromomethane	U	J4	0.000605	0.00500	1	01/17/2025 03:23	WG2434876
n-Butylbenzene	U		0.000157	0.00100	1	01/17/2025 03:23	WG2434876
sec-Butylbenzene	U		0.000125	0.00100	1	01/17/2025 03:23	WG2434876
tert-Butylbenzene	U		0.000127	0.00100	1	01/17/2025 03:23	WG2434876
Carbon disulfide	0.000218	B J	0.0000962	0.00100	1	01/17/2025 03:23	WG2434876
Carbon tetrachloride	0.000271	J	0.000128	0.00100	1	01/17/2025 03:23	WG2434876
Chlorobenzene	U		0.000116	0.00100	1	01/17/2025 03:23	WG2434876
Chlorodibromomethane	U		0.000140	0.00100	1	01/17/2025 03:23	WG2434876
Chloroethane	U		0.000192	0.00500	1	01/17/2025 03:23	WG2434876
Chloroform	0.000730	J	0.000111	0.00500	1	01/17/2025 03:23	WG2434876
Chloromethane	U		0.000960	0.00250	1	01/17/2025 03:23	WG2434876
1,2-Dibromoethane	U		0.000126	0.00100	1	01/17/2025 03:23	WG2434876
1,1-Dichloroethane	U		0.000100	0.00100	1	01/17/2025 03:23	WG2434876
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/17/2025 03:23	WG2434876
1,1-Dichloroethene	U		0.000188	0.00100	1	01/17/2025 03:23	WG2434876
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/17/2025 03:23	WG2434876
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/17/2025 03:23	WG2434876
1,2-Dichloropropane	U		0.000149	0.00100	1	01/17/2025 03:23	WG2434876
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/17/2025 03:23	WG2434876
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/17/2025 03:23	WG2434876
Ethylbenzene	U		0.000137	0.00100	1	01/17/2025 03:23	WG2434876
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/17/2025 03:23	WG2434876
2-Hexanone	U		0.000787	0.0100	1	01/17/2025 03:23	WG2434876
Isopropylbenzene	U		0.000105	0.00100	1	01/17/2025 03:23	WG2434876
p-Isopropyltoluene	U		0.000120	0.00100	1	01/17/2025 03:23	WG2434876
2-Butanone (MEK)	U		0.00119	0.0100	1	01/17/2025 03:23	WG2434876
Methylene Chloride	U		0.000430	0.00500	1	01/17/2025 03:23	WG2434876
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/17/2025 03:23	WG2434876
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/17/2025 03:23	WG2434876
Naphthalene	U		0.00100	0.00500	1	01/17/2025 03:23	WG2434876
n-Propylbenzene	U		0.0000993	0.00100	1	01/17/2025 03:23	WG2434876
Styrene	U		0.000118	0.00100	1	01/17/2025 03:23	WG2434876
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/17/2025 03:23	WG2434876
Tetrachloroethene	U		0.000300	0.00100	1	01/17/2025 03:23	WG2434876
Toluene	U		0.000278	0.00100	1	01/17/2025 03:23	WG2434876
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/17/2025 03:23	WG2434876
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/17/2025 03:23	WG2434876
Trichloroethene	U		0.000190	0.00100	1	01/17/2025 03:23	WG2434876
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/17/2025 03:23	WG2434876
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/17/2025 03:23	WG2434876
Vinyl chloride	U		0.000234	0.00100	1	01/17/2025 03:23	WG2434876
Xylenes, Total	U		0.000174	0.00300	1	01/17/2025 03:23	WG2434876
(S) Toluene-d8	*103*			*80.0-120*		*01/17/2025 03:23*	WG2434876
(S) 4-Bromofluorobenzene	*99.9*			*77.0-126*		*01/17/2025 03:23*	WG2434876
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*01/17/2025 03:23*	WG2434876

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	01/23/2025 23:59	WG2437797
(S) o-Terphenyl	*108*			*52.0-156*		*01/23/2025 23:59*	WG2437797

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	01/18/2025 02:23	WG2434941
Acenaphthylene	U		0.0000921	0.00100	1	01/18/2025 02:23	WG2434941
Acetophenone	U		0.000208	0.0100	1	01/18/2025 02:23	WG2434941
Anthracene	U		0.0000804	0.00100	1	01/18/2025 02:23	WG2434941
Atrazine	U		0.000255	0.0100	1	01/18/2025 02:23	WG2434941
Benzo(a)anthracene	U		0.000199	0.00100	1	01/18/2025 02:23	WG2434941
Benzaldehyde	U		0.00169	0.0100	1	01/18/2025 02:23	WG2434941
Benzo(b)fluoranthene	U		0.000130	0.00100	1	01/18/2025 02:23	WG2434941
Benzo(k)fluoranthene	U		0.000120	0.00100	1	01/18/2025 02:23	WG2434941
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	01/18/2025 02:23	WG2434941
Benzo(a)pyrene	U		0.0000381	0.000200	1	01/18/2025 02:23	WG2434941
Biphenyl	U		0.000790	0.0100	1	01/18/2025 02:23	WG2434941
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	01/18/2025 02:23	WG2434941
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	01/18/2025 02:23	WG2434941
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	01/18/2025 02:23	WG2434941
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	01/18/2025 02:23	WG2434941
2-Chloronaphthalene	U		0.0000648	0.00100	1	01/18/2025 02:23	WG2434941
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	01/18/2025 02:23	WG2434941
Caprolactam	U		0.000309	0.0100	1	01/18/2025 02:23	WG2434941
Carbazole	U		0.000111	0.0100	1	01/18/2025 02:23	WG2434941
Chrysene	U		0.000130	0.00100	1	01/18/2025 02:23	WG2434941
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	01/18/2025 02:23	WG2434941
Dibenzofuran	U		0.0000970	0.0100	1	01/18/2025 02:23	WG2434941
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	01/18/2025 02:23	WG2434941
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	01/18/2025 02:23	WG2434941
2,6-Dinitrotoluene	U		0.000250	0.0100	1	01/18/2025 02:23	WG2434941
Fluoranthene	U		0.000102	0.00100	1	01/18/2025 02:23	WG2434941
Fluorene	U		0.0000844	0.00100	1	01/18/2025 02:23	WG2434941
Hexachlorobenzene	U		0.0000755	0.00100	1	01/18/2025 02:23	WG2434941
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	01/18/2025 02:23	WG2434941
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	01/18/2025 02:23	WG2434941
Hexachloroethane	U		0.000127	0.0100	1	01/18/2025 02:23	WG2434941
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	01/18/2025 02:23	WG2434941
Isophorone	U		0.000143	0.0100	1	01/18/2025 02:23	WG2434941
1-Methylnaphthalene	U		0.0000790	0.00100	1	01/18/2025 02:23	WG2434941
2-Methylnaphthalene	U		0.000117	0.00100	1	01/18/2025 02:23	WG2434941
Naphthalene	0.000160	J	0.000159	0.00100	1	01/18/2025 02:23	WG2434941
Nitrobenzene	U		0.000297	0.0100	1	01/18/2025 02:23	WG2434941
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	01/18/2025 02:23	WG2434941
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	01/18/2025 02:23	WG2434941
Phenanthrene	U		0.000112	0.00100	1	01/18/2025 02:23	WG2434941
Benzylbutyl phthalate	U		0.000765	0.00300	1	01/18/2025 02:23	WG2434941
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	01/18/2025 02:23	WG2434941
Di-n-butyl phthalate	U		0.000453	0.00300	1	01/18/2025 02:23	WG2434941
Diethyl phthalate	U		0.000287	0.00300	1	01/18/2025 02:23	WG2434941
Dimethyl phthalate	U		0.000260	0.00300	1	01/18/2025 02:23	WG2434941
Di-n-octyl phthalate	U		0.000932	0.00300	1	01/18/2025 02:23	WG2434941
Pyrene	U		0.000107	0.00100	1	01/18/2025 02:23	WG2434941
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	01/18/2025 02:23	WG2434941
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	01/18/2025 02:23	WG2434941
2-Chlorophenol	U		0.000133	0.0100	1	01/18/2025 02:23	WG2434941
2,4-Dichlorophenol	U		0.000102	0.0100	1	01/18/2025 02:23	WG2434941
2,4-Dimethylphenol	U		0.0000636	0.0100	1	01/18/2025 02:23	WG2434941
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	01/18/2025 02:23	WG2434941
2,4-Dinitrophenol	U		0.00593	0.0100	1	01/18/2025 02:23	WG2434941
2-Nitrophenol	U		0.000117	0.0100	1	01/18/2025 02:23	WG2434941

DUP-01
Collected date/time: 01/15/25 15:00
L1817497

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.000102	0.0100	1	01/18/2025 02:23	WG2434941
2-Methylphenol	U		0.0000929	0.0100	1	01/18/2025 02:23	WG2434941
3&4-Methyl Phenol	U		0.000168	0.0100	1	01/18/2025 02:23	WG2434941
3-Nitroaniline	U		0.0000869	0.0100	1	01/18/2025 02:23	WG2434941
4-Chloroaniline	U		0.000234	0.0100	1	01/18/2025 02:23	WG2434941
4-Nitroaniline	U		0.0000910	0.0100	1	01/18/2025 02:23	WG2434941
4-Nitrophenol	U		0.000143	0.0100	1	01/18/2025 02:23	WG2434941
Pentachlorophenol	U	C3 J4	0.000313	0.0100	1	01/18/2025 02:23	WG2434941
Phenol	U		0.00433	0.0100	1	01/18/2025 02:23	WG2434941
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	01/18/2025 02:23	WG2434941
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	01/18/2025 02:23	WG2434941
(S) 2-Fluorophenol	*33.3*			*10.0-120*		*01/18/2025 02:23*	WG2434941
(S) Phenol-d5	*21.5*			*10.0-120*		*01/18/2025 02:23*	WG2434941
(S) Nitrobenzene-d5	*45.9*			*10.0-127*		*01/18/2025 02:23*	WG2434941
(S) 2-Fluorobiphenyl	*52.3*			*10.0-130*		*01/18/2025 02:23*	WG2434941
(S) 2,4,6-Tribromophenol	*43.4*			*10.0-155*		*01/18/2025 02:23*	WG2434941
(S) p-Terphenyl-d14	*58.0*			*10.0-128*		*01/18/2025 02:23*	WG2434941

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

TRIP BLANK
Collected date/time: 01/15/25 00:00
L1817497

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	01/17/2025 01:32	WG2434876
Benzene	U		0.0000941	0.00100	1	01/17/2025 01:32	WG2434876
Bromodichloromethane	U		0.000136	0.00100	1	01/17/2025 01:32	WG2434876
Bromoform	U	C3	0.000129	0.00100	1	01/17/2025 01:32	WG2434876
Bromomethane	U	J4	0.000605	0.00500	1	01/17/2025 01:32	WG2434876
n-Butylbenzene	U		0.000157	0.00100	1	01/17/2025 01:32	WG2434876
sec-Butylbenzene	U		0.000125	0.00100	1	01/17/2025 01:32	WG2434876
tert-Butylbenzene	U		0.000127	0.00100	1	01/17/2025 01:32	WG2434876
Carbon disulfide	0.000201	B J	0.0000962	0.00100	1	01/17/2025 01:32	WG2434876
Carbon tetrachloride	U		0.000128	0.00100	1	01/17/2025 01:32	WG2434876
Chlorobenzene	U		0.000116	0.00100	1	01/17/2025 01:32	WG2434876
Chlorodibromomethane	U		0.000140	0.00100	1	01/17/2025 01:32	WG2434876
Chloroethane	U		0.000192	0.00500	1	01/17/2025 01:32	WG2434876
Chloroform	U		0.000111	0.00500	1	01/17/2025 01:32	WG2434876
Chloromethane	U		0.000960	0.00250	1	01/17/2025 01:32	WG2434876
1,2-Dibromoethane	U		0.000126	0.00100	1	01/17/2025 01:32	WG2434876
1,1-Dichloroethane	U		0.000100	0.00100	1	01/17/2025 01:32	WG2434876
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/17/2025 01:32	WG2434876
1,1-Dichloroethene	U		0.000188	0.00100	1	01/17/2025 01:32	WG2434876
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/17/2025 01:32	WG2434876
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/17/2025 01:32	WG2434876
1,2-Dichloropropane	U		0.000149	0.00100	1	01/17/2025 01:32	WG2434876
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/17/2025 01:32	WG2434876
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/17/2025 01:32	WG2434876
Ethylbenzene	U		0.000137	0.00100	1	01/17/2025 01:32	WG2434876
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/17/2025 01:32	WG2434876
2-Hexanone	U		0.000787	0.0100	1	01/17/2025 01:32	WG2434876
Isopropylbenzene	U		0.000105	0.00100	1	01/17/2025 01:32	WG2434876
p-Isopropyltoluene	U		0.000120	0.00100	1	01/17/2025 01:32	WG2434876
2-Butanone (MEK)	U		0.00119	0.0100	1	01/17/2025 01:32	WG2434876
Methylene Chloride	U		0.000430	0.00500	1	01/17/2025 01:32	WG2434876
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/17/2025 01:32	WG2434876
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/17/2025 01:32	WG2434876
Naphthalene	U		0.00100	0.00500	1	01/17/2025 01:32	WG2434876
n-Propylbenzene	U		0.0000993	0.00100	1	01/17/2025 01:32	WG2434876
Styrene	U		0.000118	0.00100	1	01/17/2025 01:32	WG2434876
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/17/2025 01:32	WG2434876
Tetrachloroethene	U		0.000300	0.00100	1	01/17/2025 01:32	WG2434876
Toluene	U		0.000278	0.00100	1	01/17/2025 01:32	WG2434876
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/17/2025 01:32	WG2434876
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/17/2025 01:32	WG2434876
Trichloroethene	U		0.000190	0.00100	1	01/17/2025 01:32	WG2434876
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/17/2025 01:32	WG2434876
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/17/2025 01:32	WG2434876
Vinyl chloride	U		0.000234	0.00100	1	01/17/2025 01:32	WG2434876
Xylenes, Total	U		0.000174	0.00300	1	01/17/2025 01:32	WG2434876
(S) Toluene-d8	*103*			*80.0-120*		*01/17/2025 01:32*	WG2434876
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*01/17/2025 01:32*	WG2434876
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*		*01/17/2025 01:32*	WG2434876

Method Blank (MB)

(MB) R4168300-1 01/17/25 14:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1817413-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1817413-01 01/17/25 14:09 • (DUP) R4168300-3 01/17/25 14:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	429	424	1	1.17		10

L1817582-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1817582-02 01/17/25 14:09 • (DUP) R4168300-4 01/17/25 14:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	380	387	1	1.83		10

Laboratory Control Sample (LCS)

(LCS) R4168300-2 01/17/25 14:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8800	100	85.0-115	

Method Blank (MB)

(MB) R4168213-1 01/16/25 15:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1817418-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1817418-01 01/16/25 16:06 • (DUP) R4168213-3 01/16/25 16:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	30.5	30.7	1	0.754		15
Fluoride	U	U	1	0.000		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	36.9	37.2	1	0.848		15

L1817456-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1817456-03 01/16/25 17:41 • (DUP) R4168213-6 01/16/25 17:54

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	45.1	44.5	1	1.29		15
Fluoride	0.393	0.469	1	17.7	P1	15
Nitrate as (N)	1.79	1.78	1	0.706		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	39.0	38.9	1	0.268		15

Laboratory Control Sample (LCS)

(LCS) R4168213-2 01/16/25 15:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.6	99.0	80.0-120	
Fluoride	8.00	7.89	98.6	80.0-120	
Nitrate as (N)	8.00	8.10	101	80.0-120	
Nitrite as (N)	8.00	7.96	99.5	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4168213-2 01/16/25 15:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	41.8	104	80.0-120	

L1817418-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1817418-01 01/16/25 16:06 • (MS) R4168213-4 01/16/25 16:33 • (MSD) R4168213-5 01/16/25 16:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	30.5	63.6	63.1	82.9	81.6	1	80.0-120			0.800	15
Fluoride	8.00	U	7.84	7.82	98.0	97.7	1	80.0-120			0.298	15
Nitrate as (N)	8.00	U	7.84	7.77	98.0	97.1	1	80.0-120			0.918	15
Nitrite as (N)	8.00	U	7.67	7.61	95.8	95.1	1	80.0-120			0.707	15
Sulfate	40.0	36.9	70.2	69.9	83.2	82.4	1	80.0-120			0.468	15

L1817456-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1817456-03 01/16/25 17:41 • (MS) R4168213-7 01/16/25 18:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	45.1	75.9	77.0	1	80.0-120	J6
Fluoride	8.00	0.393	8.20	97.6	1	80.0-120	
Nitrate as (N)	8.00	1.79	9.46	95.9	1	80.0-120	
Nitrite as (N)	8.00	U	7.92	99.0	1	80.0-120	
Sulfate	40.0	39.0	72.9	84.6	1	80.0-120	

Method Blank (MB)

(MB) R4169139-1 01/22/25 01:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4169139-2 01/22/25 01:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00300	100	80.0-120	

L1817650-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1817650-06 01/22/25 01:11 • (MS) R4169139-4 01/22/25 01:16 • (MSD) R4169139-5 01/22/25 01:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00283	0.00282	94.4	94.1	1	75.0-125			0.308	20

Method Blank (MB)

(MB) R4168325-1 01/19/25 20:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0233	0.200

Laboratory Control Sample (LCS)

(LCS) R4168325-2 01/19/25 20:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.988	98.8	80.0-120	

L1817497-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1817497-01 01/19/25 20:07 • (MS) R4168325-4 01/19/25 20:11 • (MSD) R4168325-5 01/19/25 20:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.138	1.09	1.09	95.3	95.2	1	75.0-125			0.145	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R4168150-1 01/18/25 16:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum,Dissolved	U		0.0160	0.100
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	U		0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Iron,Dissolved	U		0.0226	0.100
Lead,Dissolved	U		0.000500	0.00200
Manganese,Dissolved	U		0.000700	0.00500
Molybdenum,Dissolved	U		0.000500	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Zinc,Dissolved	U		0.00400	0.0250

Method Blank (MB)

(MB) R4168256-1 01/18/25 19:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Uranium,Dissolved	U		0.000130	0.00100

Laboratory Control Sample (LCS)

(LCS) R4168150-2 01/18/25 16:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum,Dissolved	1.00	0.939	93.9	80.0-120	
Arsenic,Dissolved	0.0500	0.0473	94.7	80.0-120	
Barium,Dissolved	0.0500	0.0454	90.9	80.0-120	
Cadmium,Dissolved	0.0500	0.0492	98.5	80.0-120	
Chromium,Dissolved	0.0500	0.0489	97.9	80.0-120	
Copper,Dissolved	0.0500	0.0464	92.8	80.0-120	
Cobalt,Dissolved	0.0500	0.0487	97.4	80.0-120	
Iron,Dissolved	1.00	0.899	89.9	80.0-120	
Lead,Dissolved	0.0500	0.0439	87.7	80.0-120	
Manganese,Dissolved	0.0500	0.0473	94.6	80.0-120	
Molybdenum,Dissolved	0.0500	0.0471	94.3	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4168150-2 01/18/25 16:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel,Dissolved	0.0500	0.0481	96.3	80.0-120	
Selenium,Dissolved	0.0500	0.0467	93.5	80.0-120	
Silver,Dissolved	0.0500	0.0466	93.2	80.0-120	
Zinc,Dissolved	0.0500	0.0462	92.4	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4168256-2 01/18/25 19:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium,Dissolved	0.0500	0.0455	91.0	80.0-120	

L1817767-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1817767-03 01/18/25 16:56 • (MS) R4168150-4 01/18/25 17:03 • (MSD) R4168150-5 01/18/25 17:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1.00	U	0.939	0.929	93.9	92.9	1	75.0-125			1.07	20
Arsenic,Dissolved	0.0500	0.00571	0.0527	0.0528	94.0	94.1	1	75.0-125			0.108	20
Barium,Dissolved	0.0500	0.0919	0.136	0.135	88.8	86.4	1	75.0-125			0.883	20
Cadmium,Dissolved	0.0500	U	0.0491	0.0490	98.3	98.0	1	75.0-125			0.301	20
Chromium,Dissolved	0.0500	U	0.0488	0.0484	97.6	96.8	1	75.0-125			0.845	20
Copper,Dissolved	0.0500	0.00192	0.0459	0.0455	88.0	87.1	1	75.0-125			1.00	20
Cobalt,Dissolved	0.0500	U	0.0476	0.0472	95.3	94.4	1	75.0-125			0.936	20
Iron,Dissolved	1.00	U	0.900	0.897	90.0	89.7	1	75.0-125			0.362	20
Lead,Dissolved	0.0500	U	0.0451	0.0452	90.3	90.4	1	75.0-125			0.163	20
Manganese,Dissolved	0.0500	U	0.0470	0.0468	94.0	93.5	1	75.0-125			0.470	20
Molybdenum,Dissolved	0.0500	0.000941	0.0493	0.0495	96.7	97.0	1	75.0-125			0.308	20
Nickel,Dissolved	0.0500	0.000645	0.0479	0.0475	94.5	93.7	1	75.0-125			0.838	20
Selenium,Dissolved	0.0500	0.00654	0.0534	0.0544	93.7	95.8	1	75.0-125			1.97	20
Silver,Dissolved	0.0500	U	0.0463	0.0455	92.5	91.0	1	75.0-125			1.67	20
Zinc,Dissolved	0.0500	U	0.0471	0.0480	94.2	96.0	1	75.0-125			1.93	20

L1817767-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1817767-03 01/18/25 19:38 • (MS) R4168256-4 01/18/25 19:44 • (MSD) R4168256-5 01/18/25 19:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium,Dissolved	0.0500	0.00576	0.0515	0.0525	91.4	93.5	1	75.0-125			2.05	20

Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4168740-3 01/19/25 10:15

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4168740-1 01/19/25 09:10 • (LCSD) R4168740-2 01/19/25 09:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	4.67	4.49	93.4	89.8	72.0-127			3.93	20
(S) a,a,a-Trifluorotoluene(FID)				*102*	*102*	*78.0-120*				

Released to Imaging: 4/17/2026 3:09:37 PM

Method Blank (MB)

(MB) R4167821-3 01/16/25 21:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon disulfide	0.000316	J	0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4167821-3 01/16/25 21:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4167821-1 01/16/25 20:06 • (LCSD) R4167821-2 01/16/25 20:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0268	0.0284	107	114	19.0-160	J	J	5.80	27
Benzene	0.00500	0.00524	0.00525	105	105	70.0-123			0.191	20
Bromodichloromethane	0.00500	0.00492	0.00481	98.4	96.2	75.0-120			2.26	20
Bromoform	0.00500	0.00365	0.00360	73.0	72.0	68.0-132			1.38	20
Bromomethane	0.00500	0.0114	0.0106	228	212	10.0-160	J4	J4	7.27	25
n-Butylbenzene	0.00500	0.00455	0.00477	91.0	95.4	73.0-125			4.72	20
sec-Butylbenzene	0.00500	0.00479	0.00482	95.8	96.4	75.0-125			0.624	20
tert-Butylbenzene	0.00500	0.00466	0.00481	93.2	96.2	76.0-124			3.17	20
Carbon disulfide	0.00500	0.00454	0.00451	90.8	90.2	61.0-128			0.663	20
Carbon tetrachloride	0.00500	0.00515	0.00494	103	98.8	68.0-126			4.16	20
Chlorobenzene	0.00500	0.00473	0.00486	94.6	97.2	80.0-121			2.71	20
Chlorodibromomethane	0.00500	0.00424	0.00434	84.8	86.8	77.0-125			2.33	20
Chloroethane	0.00500	0.00552	0.00491	110	98.2	47.0-150		J	11.7	20
Chloroform	0.00500	0.00533	0.00521	107	104	73.0-120			2.28	20
Chloromethane	0.00500	0.00684	0.00703	137	141	41.0-142			2.74	20
1,2-Dibromoethane	0.00500	0.00464	0.00456	92.8	91.2	80.0-122			1.74	20
1,1-Dichloroethane	0.00500	0.00519	0.00553	104	111	70.0-126			6.34	20
1,2-Dichloroethane	0.00500	0.00539	0.00522	108	104	70.0-128			3.20	20
1,1-Dichloroethene	0.00500	0.00540	0.00530	108	106	71.0-124			1.87	20
cis-1,2-Dichloroethene	0.00500	0.00522	0.00535	104	107	73.0-120			2.46	20
trans-1,2-Dichloroethene	0.00500	0.00526	0.00528	105	106	73.0-120			0.380	20
1,2-Dichloropropane	0.00500	0.00533	0.00522	107	104	77.0-125			2.09	20
cis-1,3-Dichloropropene	0.00500	0.00491	0.00506	98.2	101	80.0-123			3.01	20
trans-1,3-Dichloropropene	0.00500	0.00465	0.00442	93.0	88.4	78.0-124			5.07	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4167821-1 01/16/25 20:06 • (LCSD) R4167821-2 01/16/25 20:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00481	0.00487	96.2	97.4	79.0-123			1.24	20
Hexachloro-1,3-butadiene	0.00500	0.00454	0.00465	90.8	93.0	54.0-138			2.39	20
2-Hexanone	0.0250	0.0226	0.0230	90.4	92.0	67.0-149			1.75	20
Isopropylbenzene	0.00500	0.00466	0.00484	93.2	96.8	76.0-127			3.79	20
p-Isopropyltoluene	0.00500	0.00475	0.00494	95.0	98.8	76.0-125			3.92	20
2-Butanone (MEK)	0.0250	0.0303	0.0314	121	126	44.0-160			3.57	20
Methylene Chloride	0.00500	0.00517	0.00546	103	109	67.0-120			5.46	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0242	0.0244	96.8	97.6	68.0-142			0.823	20
Methyl tert-butyl ether	0.00500	0.00538	0.00523	108	105	68.0-125			2.83	20
Naphthalene	0.00500	0.00481	0.00499	96.2	99.8	54.0-135	J	J	3.67	20
n-Propylbenzene	0.00500	0.00467	0.00485	93.4	97.0	77.0-124			3.78	20
Styrene	0.00500	0.00422	0.00418	84.4	83.6	73.0-130			0.952	20
1,1,2,2-Tetrachloroethane	0.00500	0.00482	0.00472	96.4	94.4	65.0-130			2.10	20
Tetrachloroethene	0.00500	0.00463	0.00487	92.6	97.4	72.0-132			5.05	20
Toluene	0.00500	0.00465	0.00479	93.0	95.8	79.0-120			2.97	20
1,1,1-Trichloroethane	0.00500	0.00544	0.00532	109	106	73.0-124			2.23	20
1,1,2-Trichloroethane	0.00500	0.00478	0.00476	95.6	95.2	80.0-120			0.419	20
Trichloroethene	0.00500	0.00509	0.00552	102	110	78.0-124			8.11	20
1,2,4-Trimethylbenzene	0.00500	0.00464	0.00476	92.8	95.2	76.0-121			2.55	20
1,3,5-Trimethylbenzene	0.00500	0.00454	0.00460	90.8	92.0	76.0-122			1.31	20
Vinyl chloride	0.00500	0.00533	0.00563	107	113	67.0-131			5.47	20
Xylenes, Total	0.0150	0.0139	0.0145	92.7	96.7	79.0-123			4.23	20
(S) Toluene-d8				*94.9*	*96.6*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.3*	*97.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*98.4*	*97.0*	*70.0-130*				

Method Blank (MB)

(MB) R4169913-1 01/23/25 13:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0605	0.100
(S) o-Terphenyl	*107*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4169913-2 01/23/25 14:10 • (LCSD) R4169913-3 01/23/25 14:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.69	1.65	113	110	50.0-150			2.40	20
(S) o-Terphenyl				*119*	*119*	*52.0-156*				

Method Blank (MB)

(MB) R4168162-2 01/18/25 01:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R4168162-2 01/18/25 01:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*25.3*			*10.0-120*
(S) Phenol-d5	*17.1*			*10.0-120*
(S) Nitrobenzene-d5	*35.6*			*10.0-127*
(S) 2-Fluorobiphenyl	*44.9*			*10.0-130*
(S) 2,4,6-Tribromophenol	*37.6*			*10.0-155*
(S) p-Terphenyl-d14	*65.4*			*10.0-128*

Received by OCD: 4/15/2026 4:26:32 PM

Laboratory Control Sample (LCS)

(LCS) R4168162-1 01/18/25 00:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0244	48.8	41.0-120	
Acenaphthylene	0.0500	0.0218	43.6	43.0-120	
Acetophenone	0.0500	0.0189	37.8	29.0-120	
Anthracene	0.0500	0.0272	54.4	45.0-120	
Atrazine	0.0500	0.0257	51.4	39.0-141	
Benzo(a)anthracene	0.0500	0.0272	54.4	47.0-120	
Benzaldehyde	0.0500	0.0509	102	10.0-160	
Benzo(b)fluoranthene	0.0500	0.0294	58.8	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0295	59.0	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0269	53.8	48.0-121	
Benzo(a)pyrene	0.0500	0.0277	55.4	47.0-120	
Biphenyl	0.0500	0.0228	45.6	38.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0202	40.4	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0195	39.0	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0196	39.2	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0287	57.4	45.0-120	
2-Chloronaphthalene	0.0500	0.0227	45.4	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0258	51.6	44.0-120	
Caprolactam	0.0500	0.00855	17.1	10.0-120	J
Carbazole	0.0500	0.0283	56.6	51.0-122	
Chrysene	0.0500	0.0269	53.8	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0289	57.8	47.0-120	
Dibenzofuran	0.0500	0.0249	49.8	44.0-120	
3,3-Dichlorobenzidine	0.100	0.0480	48.0	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0253	50.6	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0255	51.0	46.0-120	
Fluoranthene	0.0500	0.0292	58.4	51.0-120	
Fluorene	0.0500	0.0254	50.8	47.0-120	
Hexachlorobenzene	0.0500	0.0267	53.4	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0182	36.4	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.00906	18.1	15.0-120	J
Hexachloroethane	0.0500	0.0175	35.0	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0285	57.0	49.0-122	
Isophorone	0.0500	0.0191	38.2	36.0-120	
1-Methylnaphthalene	0.0500	0.0212	42.4	33.0-120	
2-Methylnaphthalene	0.0500	0.0223	44.6	33.0-120	
Naphthalene	0.0500	0.0184	36.8	27.0-120	
Nitrobenzene	0.0500	0.0181	36.2	27.0-120	
n-Nitrosodiphenylamine	0.0500	0.0266	53.2	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0203	40.6	31.0-120	

Released to Imaging: 4/17/2026 3:09:37 PM

Laboratory Control Sample (LCS)

(LCS) R4168162-1 01/18/25 00:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.0500	0.0272	54.4	46.0-120	
Benzylbutyl phthalate	0.0500	0.0263	52.6	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0258	51.6	43.0-122	
Di-n-butyl phthalate	0.0500	0.0297	59.4	49.0-121	
Diethyl phthalate	0.0500	0.0269	53.8	48.0-122	
Dimethyl phthalate	0.0500	0.0260	52.0	48.0-120	
Di-n-octyl phthalate	0.0500	0.0259	51.8	42.0-125	
Pyrene	0.0500	0.0291	58.2	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0181	36.2	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0226	45.2	40.0-120	
2-Chlorophenol	0.0500	0.0171	34.2	25.0-120	
2,4-Dichlorophenol	0.0500	0.0210	42.0	36.0-120	
2,4-Dimethylphenol	0.0500	0.0195	39.0	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0223	44.6	38.0-138	
2,4-Dinitrophenol	0.0500	0.0164	32.8	10.0-120	
2-Nitrophenol	0.0500	0.0200	40.0	31.0-120	
2-Nitroaniline	0.0500	0.0243	48.6	43.0-120	
2-Methylphenol	0.0500	0.0168	33.6	28.0-120	
3&4-Methyl Phenol	0.0500	0.0182	36.4	31.0-120	
3-Nitroaniline	0.0500	0.0250	50.0	38.0-120	
4-Chloroaniline	0.0500	0.0209	41.8	25.0-120	
4-Nitroaniline	0.0500	0.0249	49.8	18.0-160	
4-Nitrophenol	0.0500	0.00841	16.8	10.0-120	J
Pentachlorophenol	0.0500	0.00861	17.2	23.0-120	J J4
Phenol	0.0500	0.00859	17.2	10.0-120	J
2,4,5-Trichlorophenol	0.0500	0.0260	52.0	44.0-120	
2,4,6-Trichlorophenol	0.0500	0.0236	47.2	42.0-120	
(S) 2-Fluorophenol			*23.4*	*10.0-120*	
(S) Phenol-d5			*17.1*	*10.0-120*	
(S) Nitrobenzene-d5			*34.1*	*10.0-127*	
(S) 2-Fluorobiphenyl			*45.0*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*46.0*	*10.0-155*	
(S) p-Terphenyl-d14			*56.0*	*10.0-128*	

L1817831-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1817831-04 01/18/25 21:11 • (MS) R4169093-1 01/18/25 21:32 • (MSD) R4169093-2 01/18/25 21:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	U	0.0315	0.0310	63.0	62.0	1	28.0-120			1.60	25
Acenaphthylene	0.0500	U	0.0280	0.0277	56.0	55.4	1	31.0-121			1.08	25
Acetophenone	0.0500	U	0.0349	0.0349	69.8	69.8	1	20.0-120			0.000	35
Anthracene	0.0500	U	0.0332	0.0327	66.4	65.4	1	36.0-120			1.52	23
Atrazine	0.0500	U	0.0330	0.0336	66.0	67.2	1	39.0-130			1.80	23
Benzo(a)anthracene	0.0500	U	0.0328	0.0330	65.6	66.0	1	39.0-120			0.608	23
Benzaldehyde	0.0500	U	0.109	0.118	218	236	1	10.0-160	J5	J5	7.93	40
Benzo(b)fluoranthene	0.0500	U	0.0322	0.0317	64.4	63.4	1	37.0-120			1.56	23
Benzo(k)fluoranthene	0.0500	U	0.0322	0.0312	64.4	62.4	1	37.0-120			3.15	26
Benzo(g,h,i)perylene	0.0500	U	0.0319	0.0308	63.8	61.6	1	37.0-123			3.51	25
Benzo(a)pyrene	0.0500	U	0.0342	0.0331	68.4	66.2	1	37.0-120			3.27	24
Biphenyl	0.0500	U	0.0296	0.0297	59.2	59.4	1	29.0-120			0.337	33
Bis(2-chlorethoxy)methane	0.0500	U	0.0310	0.0316	62.0	63.2	1	17.0-120			1.92	31
Bis(2-chloroethyl)ether	0.0500	U	0.0367	0.0394	73.4	78.8	1	14.0-120			7.10	33
2,2-Oxybis(1-Chloropropane)	0.0500	U	0.0273	0.0290	54.6	58.0	1	18.0-120			6.04	34
4-Bromophenyl-phenylether	0.0500	U	0.0341	0.0327	68.2	65.4	1	37.0-120			4.19	24
2-Chloronaphthalene	0.0500	U	0.0283	0.0288	56.6	57.6	1	29.0-120			1.75	28
4-Chlorophenyl-phenylether	0.0500	U	0.0313	0.0315	62.6	63.0	1	36.0-120			0.637	23
Caprolactam	0.0500	U	0.0142	0.0143	28.4	28.6	1	10.0-120			0.702	40
Carbazole	0.0500	U	0.0377	0.0375	75.4	75.0	1	38.0-127			0.532	21
Chrysene	0.0500	U	0.0335	0.0334	67.0	66.8	1	38.0-120			0.299	23
Dibenz(a,h)anthracene	0.0500	U	0.0355	0.0341	71.0	68.2	1	36.0-121			4.02	24
Dibenzofuran	0.0500	U	0.0309	0.0312	61.8	62.4	1	32.0-120			0.966	26
3,3-Dichlorobenzidine	0.100	U	0.0646	0.0649	64.6	64.9	1	10.0-134			0.463	30
2,4-Dinitrotoluene	0.0500	U	0.0370	0.0371	74.0	74.2	1	39.0-125			0.270	25
2,6-Dinitrotoluene	0.0500	U	0.0370	0.0367	74.0	73.4	1	36.0-120			0.814	27
Fluoranthene	0.0500	U	0.0330	0.0328	66.0	65.6	1	41.0-121			0.608	22
Fluorene	0.0500	U	0.0314	0.0314	62.8	62.8	1	37.0-120			0.000	24
Hexachlorobenzene	0.0500	U	0.0321	0.0300	64.2	60.0	1	35.0-122			6.76	24
Hexachloro-1,3-butadiene	0.0500	U	0.0190	0.0209	38.0	41.8	1	12.0-120			9.52	34
Hexachlorocyclopentadiene	0.0500	U	0.0128	0.0141	25.6	28.2	1	10.0-120			9.67	33
Hexachloroethane	0.0500	U	0.0185	0.0207	37.0	41.4	1	10.0-120			11.2	40
Indeno(1,2,3-cd)pyrene	0.0500	U	0.0329	0.0317	65.8	63.4	1	38.0-125			3.72	24
Isophorone	0.0500	U	0.0284	0.0278	56.8	55.6	1	21.0-120			2.14	27
1-Methylnaphthalene	0.0500	U	0.0243	0.0244	48.6	48.8	1	11.0-120			0.411	27
2-Methylnaphthalene	0.0500	U	0.0253	0.0252	50.6	50.4	1	17.0-120			0.396	28
Naphthalene	0.0500	U	0.0225	0.0224	45.0	44.8	1	10.0-120			0.445	31
Nitrobenzene	0.0500	U	0.0311	0.0325	62.2	65.0	1	12.0-120			4.40	30
n-Nitrosodiphenylamine	0.0500	U	0.0339	0.0332	67.8	66.4	1	37.0-120			2.09	24
n-Nitrosodi-n-propylamine	0.0500	U	0.0302	0.0302	60.4	60.4	1	16.0-120			0.000	30

L1817831-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1817831-04 01/18/25 21:11 • (MS) R4169093-1 01/18/25 21:32 • (MSD) R4169093-2 01/18/25 21:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0500	U	0.0326	0.0322	65.2	64.4	1	33.0-120			1.23	22
Benzylbutyl phthalate	0.0500	U	0.0411	0.0406	82.2	81.2	1	34.0-126			1.22	24
Bis(2-ethylhexyl)phthalate	0.0500	U	0.0364	0.0360	72.8	72.0	1	33.0-126			1.10	25
Di-n-butyl phthalate	0.0500	U	0.0362	0.0358	72.4	71.6	1	35.0-128			1.11	23
Diethyl phthalate	0.0500	U	0.0345	0.0343	69.0	68.6	1	39.0-125			0.581	24
Dimethyl phthalate	0.0500	U	0.0339	0.0330	67.8	66.0	1	37.0-120			2.69	24
Di-n-octyl phthalate	0.0500	U	0.0375	0.0369	75.0	73.8	1	25.0-135			1.61	26
Pyrene	0.0500	U	0.0343	0.0341	68.6	68.2	1	39.0-120			0.585	22
1,2,4-Trichlorobenzene	0.0500	U	0.0203	0.0212	40.6	42.4	1	15.0-120			4.34	31
4-Chloro-3-methylphenol	0.0500	U	0.0313	0.0291	62.6	58.2	1	26.0-120			7.28	27
2-Chlorophenol	0.0500	U	0.0255	0.0253	51.0	50.6	1	18.0-120			0.787	34
2,4-Dichlorophenol	0.0500	U	0.0264	0.0267	52.8	53.4	1	19.0-120			1.13	27
2,4-Dimethylphenol	0.0500	U	0.0272	0.0271	54.4	54.2	1	15.0-120			0.368	28
4,6-Dinitro-2-methylphenol	0.0500	U	0.0340	0.0312	68.0	62.4	1	10.0-144			8.59	39
2,4-Dinitrophenol	0.0500	U	0.0331	0.0299	66.2	59.8	1	10.0-120			10.2	40
2-Nitrophenol	0.0500	U	0.0297	0.0303	59.4	60.6	1	20.0-120			2.00	30
2-Nitroaniline	0.0500	U	0.0368	0.0368	73.6	73.6	1	33.0-120			0.000	27
2-Methylphenol	0.0500	U	0.0254	0.0239	50.8	47.8	1	10.0-120			6.09	30
3&4-Methyl Phenol	0.0500	U	0.0263	0.0247	52.6	49.4	1	10.0-120			6.27	36
3-Nitroaniline	0.0500	U	0.0376	0.0386	75.2	77.2	1	20.0-120			2.62	27
4-Chloroaniline	0.0500	U	0.0289	0.0280	57.8	56.0	1	10.0-120			3.16	31
4-Nitroaniline	0.0500	U	0.0455	0.0490	91.0	98.0	1	10.0-160			7.41	26
4-Nitrophenol	0.0500	U	0.0152	0.0134	30.4	26.8	1	10.0-120			12.6	40
Pentachlorophenol	0.0500	U	0.0203	0.0164	40.6	32.8	1	10.0-128			21.3	37
Phenol	0.0500	U	0.0154	0.0143	30.8	28.6	1	10.0-120			7.41	40
2,4,5-Trichlorophenol	0.0500	U	0.0357	0.0343	71.4	68.6	1	33.0-120			4.00	31
2,4,6-Trichlorophenol	0.0500	U	0.0320	0.0312	64.0	62.4	1	26.0-120			2.53	31
(S) 2-Fluorophenol					*47.0*	*45.1*		*10.0-120*				
(S) Phenol-d5					*28.6*	*27.5*		*10.0-120*				
(S) Nitrobenzene-d5					*53.5*	*53.4*		*10.0-127*				
(S) 2-Fluorobiphenyl					*57.0*	*56.3*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*64.5*	*62.5*		*10.0-155*				
(S) p-Terphenyl-d14					*62.9*	*62.5*		*10.0-128*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Received by OCD: 4/15/2026 4:26:32 PM

Company Name/Address:
TRC Solutions - Austin, TX

505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Report to: Julie Speer

Email To: jspeer@trccompanies.com;aeljuri@trccompanie

Project Description: Lovington Lea Refinery

City/State Collected: Lovington, NM

Please Circle: PT (MT) CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #

Lab Project # TRCATX-LOVINGTON NAV

Collected by (print): Bryan Bayles / Oscar DeLeon

Site/Facility ID #

P.O. #

Collected by (signature): Bryan Bayles / HMS Team

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1817497
A059

Acctnum: TRCATX
Template: T118335
Prelogin: P1124224
PM: 526 - Chris McCord
PB: BF 1/2/25
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS-FF 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260-TripBlank 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
WW-NORTH	Grab	GW		1/15/25	1545	13	X	X	X	X	X	X	X	X			-01
WW-SOUTH		GW			1455	13	X	X	X	X	X	X	X	X			02
WW-EAST		GW			1625	13	X	X	X	X	X	X	X	X			03
DUP-01		GW			1500	13	X	X	X	X	X	X	X	X			04
TRIP BLANK		GW			—	1									X		05

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:**WetChem-48hr HT** = NITRATE,NITRITE,CHLORIDE,FLUORIDE,SULFATE.
(Sample and ship same day)
NAVAJOMETALSDISS are Field Filtered.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking # 4208 1339 7164

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No (HCl / MeoH) TBR
Bryan Bayles	1/15/25	1650		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.9 °C 0910.1-1.2 Bottles Received: 52
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Dengan	Date: 1.16.25 0.8 DG Time: 0900

If pr /Time
PH – 10BDH2631
TRC – 3327A333

Hold: Condition NCF / (OK)

Released to Imaging: 4/17/2026 3:09:37 PM

ANALYTICAL REPORT

June 30, 2025

Revised Report

TRC Solutions - Austin, TX

Sample Delivery Group:	L1843532
Samples Received:	04/04/2025
Project Number:	648909.0000.0000
Description:	Lovington Lea Refinery

Report To: Julie Speer
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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MW-1 L1843532-01

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:35 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/04/25 23:41	04/04/25 23:41	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2483387	1	04/09/25 13:25	04/11/25 20:38	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484483	1	04/09/25 07:44	04/09/25 17:49	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484488	1	04/09/25 07:40	04/10/25 15:53	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 11:23	04/06/25 11:23	DYW	Mt. Juliet, TN

MW-2 L1843532-02

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:20 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2487238	1	04/10/25 15:52	04/10/25 17:38	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 00:35	04/05/25 00:35	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 06:12	04/05/25 06:12	DLH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 11:44	04/06/25 11:44	DYW	Mt. Juliet, TN

MW-5 L1843532-03

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:00 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 00:48	04/05/25 00:48	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2483387	1	04/09/25 13:25	04/11/25 20:41	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484483	1	04/09/25 07:44	04/09/25 18:09	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484488	1	04/09/25 07:40	04/10/25 15:56	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2489363	1	04/15/25 09:43	04/15/25 16:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489699	1	04/13/25 23:54	04/13/25 23:54	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 12:05	04/06/25 12:05	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 02:31	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 19:46	LS	Mt. Juliet, TN

MW-6 L1843532-04

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:25 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 01:29	04/05/25 01:29	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 06:25	04/05/25 06:25	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2483387	1	04/09/25 13:25	04/11/25 20:44	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484483	1	04/09/25 07:44	04/09/25 18:11	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484488	1	04/09/25 07:40	04/10/25 15:59	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2489363	1	04/15/25 09:43	04/15/25 16:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 14:12	04/06/25 14:12	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 13:02	LS	Mt. Juliet, TN

MW-8 L1843532-05

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:25 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 01:42	04/05/25 01:42	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 06:39	04/05/25 06:39	DLH	Mt. Juliet, TN

MW-8 L1843532-05

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:25 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2483387	1	04/09/25 13:25	04/11/25 20:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484483	1	04/09/25 07:44	04/09/25 18:14	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484488	1	04/09/25 07:40	04/10/25 16:03	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2489363	1	04/15/25 09:43	04/15/25 16:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 14:34	04/06/25 14:34	DYW	Mt. Juliet, TN

MW-9 L1843532-06

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 11:40 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 01:56	04/05/25 01:56	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	10	04/05/25 06:52	04/05/25 06:52	DLH	Mt. Juliet, TN

MW-10 L1843532-07

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 11:00 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 02:09	04/05/25 02:09	DLH	Mt. Juliet, TN

MW-11R L1843532-08

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 08:45 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 02:23	04/05/25 02:23	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 07:19	04/05/25 07:19	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2483387	1	04/09/25 13:25	04/11/25 19:40	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484483	1	04/09/25 07:44	04/09/25 18:17	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484488	1	04/09/25 07:40	04/10/25 16:06	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2489363	1	04/15/25 09:43	04/15/25 16:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 14:55	04/06/25 14:55	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	16.7	04/08/25 05:58	04/12/25 13:23	LS	Mt. Juliet, TN

MW-13R L1843532-09

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:45 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 02:36	04/05/25 02:36	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 07:33	04/05/25 07:33	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2483387	1	04/09/25 13:25	04/11/25 20:49	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484483	1	04/09/25 07:44	04/09/25 16:52	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484488	1	04/09/25 07:40	04/10/25 16:09	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2489363	1	04/15/25 09:43	04/15/25 16:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 15:16	04/06/25 15:16	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 13:45	MBE	Mt. Juliet, TN

MW-14R L1843532-10

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:35 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 02:49	04/05/25 02:49	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 17:40	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484483	1	04/09/25 07:44	04/09/25 18:20	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484488	1	04/09/25 07:40	04/10/25 12:10	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 15:38	04/06/25 15:38	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 14:06	MBE	Mt. Juliet, TN

MW-15R L1843532-11

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:50 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 03:30	04/05/25 03:30	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	10	04/05/25 07:46	04/05/25 07:46	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 17:43	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 18:44	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:19	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 20:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 15:59	04/06/25 15:59	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 14:27	MBE	Mt. Juliet, TN

MW-16R L1843532-12

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:50 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 03:43	04/05/25 03:43	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 16:55	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 18:47	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:22	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 20:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 16:20	04/06/25 16:20	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 14:48	MBE	Mt. Juliet, TN

MW-18R L1843532-13

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:25 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 03:57	04/05/25 03:57	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 08:13	04/05/25 08:13	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 17:45	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 18:50	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:25	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 20:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 18:46	04/06/25 18:46	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 15:10	MBE	Mt. Juliet, TN

MW-19R L1843532-14

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:35 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 04:10	04/05/25 04:10	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 08:54	04/05/25 08:54	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 17:48	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 18:53	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:38	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 19:07	04/06/25 19:07	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1.04	04/08/25 05:58	04/12/25 15:31	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2491138	1	04/15/25 16:22	04/16/25 16:06	MBE	Mt. Juliet, TN

MW-20R L1843532-15

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:20 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 04:24	04/05/25 04:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 09:07	04/05/25 09:07	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 17:56	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:01	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:42	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 19:28	04/06/25 19:28	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484763	1	04/08/25 05:58	04/12/25 15:52	MBE	Mt. Juliet, TN

MW-23R L1843532-16

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 11:05 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483468	1	04/04/25 16:22	04/05/25 08:22	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 04:37	04/05/25 04:37	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 09:21	04/05/25 09:21	DLH	Mt. Juliet, TN

MW-24R L1843532-17

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 11:45 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 04:51	04/05/25 04:51	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 17:59	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:03	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:45	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:17	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 16:40	04/06/25 16:40	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 01:47	JRM	Mt. Juliet, TN

MW-26R L1843532-18

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:10 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 05:04	04/05/25 05:04	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 09:48	04/05/25 09:48	DLH	Mt. Juliet, TN

MW-28R L1843532-19

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:15 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 05:18	04/05/25 05:18	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 10:01	04/05/25 10:01	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 18:01	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:06	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:48	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 17:01	04/06/25 17:01	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 02:08	JRM	Mt. Juliet, TN

MW-29R L1843532-20

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:50 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	1	04/05/25 05:31	04/05/25 05:31	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483312	5	04/05/25 10:15	04/05/25 10:15	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 18:04	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:09	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:52	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:20	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 17:22	04/06/25 17:22	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1.04	04/08/25 06:27	04/11/25 07:06	JRM	Mt. Juliet, TN

MW-3 L1843532-22

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:55 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 05:41	04/05/25 05:41	DLH	Mt. Juliet, TN

MW-12R2 L1843532-23

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:55 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 06:14	04/05/25 06:14	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2484154	1	04/08/25 22:42	04/08/25 22:42	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484039	1	04/09/25 13:14	04/11/25 18:07	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:12	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:16	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 17:43	04/06/25 17:43	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 02:29	JRM	Mt. Juliet, TN

MW-32 L1843532-24

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:25 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483446	1	04/04/25 15:41	04/05/25 11:00	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 07:19	04/05/25 07:19	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	5	04/05/25 06:30	04/05/25 06:30	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2484154	5	04/08/25 23:48	04/08/25 23:48	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:30	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:14	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:19	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489699	1	04/14/25 00:17	04/14/25 00:17	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 18:04	04/06/25 18:04	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 02:51	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/16/25 17:59	NWH	Mt. Juliet, TN

MW-33 L1843532-25

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:00 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 07:35	04/05/25 07:35	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:15	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 18:33	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 18:05	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 20:39	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	5	04/09/25 09:42	04/10/25 16:42	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489699	1	04/14/25 00:40	04/14/25 00:40	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2483997	1	04/06/25 18:25	04/06/25 18:25	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 03:11	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 02:50	JRM	Mt. Juliet, TN

WW-SOUTH L1843532-26

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:00 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 08:40	04/05/25 08:40	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	5	04/05/25 08:56	04/05/25 08:56	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:33	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:17	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:22	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489699	1	04/14/25 01:03	04/14/25 01:03	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2487404	1	04/11/25 05:44	04/11/25 05:44	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 03:31	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 03:54	JRM	Mt. Juliet, TN

WW-EAST L1843532-27

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:50 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 09:13	04/05/25 09:13	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:36	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:20	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:25	UNP	Mt. Juliet, TN

WW-EAST L1843532-27

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:50 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489699	1	04/14/25 01:26	04/14/25 01:26	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 14:07	04/13/25 14:07	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 03:52	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 04:16	JRM	Mt. Juliet, TN

DUP-01 L1843532-28

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:00 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 09:45	04/05/25 09:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	5	04/05/25 10:02	04/05/25 10:02	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:41	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:23	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:29	UNP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489699	1	04/14/25 01:49	04/14/25 01:49	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 14:31	04/13/25 14:31	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 04:12	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 04:37	JRM	Mt. Juliet, TN

DUP-02 L1843532-29

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 10:00 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483465	1	04/04/25 15:56	04/05/25 14:45	MMF	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 10:18	04/05/25 10:18	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2484154	1	04/09/25 00:18	04/09/25 00:18	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:44	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:25	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2489699	1	04/14/25 02:12	04/14/25 02:12	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 14:55	04/13/25 14:55	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 04:32	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/16/25 18:21	NWH	Mt. Juliet, TN

DUP-03 L1843532-30

Collected by: Greg S. / HMI Team | Collected date/time: 04/03/25 09:30 | Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2483459	1	04/04/25 16:08	04/05/25 13:24	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2483313	1	04/05/25 10:34	04/05/25 10:34	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:46	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:34	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:35	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 21:37	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	5	04/09/25 09:42	04/10/25 17:55	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2490017	1	04/14/25 17:04	04/14/25 17:04	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 15:19	04/13/25 15:19	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 04:52	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 04:58	NWH	Mt. Juliet, TN

EB-01 L1843532-31

Collected by: Greg S. / HMI Team
Collected date/time: 04/03/25 09:05
Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:49	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:37	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:39	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2490017	1	04/14/25 15:59	04/14/25 15:59	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 13:19	04/13/25 13:19	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 05:12	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 05:20	JRM	Mt. Juliet, TN

EB-02 L1843532-32

Collected by: Greg S. / HMI Team
Collected date/time: 04/03/25 11:20
Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2484040	1	04/09/25 13:20	04/11/25 18:52	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2484484	1	04/09/25 10:54	04/09/25 19:39	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2484489	1	04/09/25 09:42	04/10/25 19:42	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG2490017	1	04/14/25 16:21	04/14/25 16:21	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 13:43	04/13/25 13:43	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2485492	1	04/09/25 13:17	04/10/25 05:32	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2484767	1	04/08/25 06:27	04/11/25 05:41	JRM	Mt. Juliet, TN

TRIP BLANK-01 L1843532-33

Collected by: Greg S. / HMI Team
Collected date/time: 04/03/25 00:00
Received date/time: 04/04/25 09:00

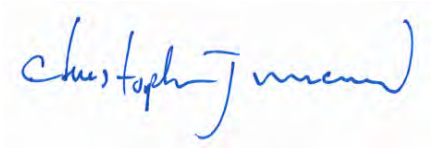
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 11:45	04/13/25 11:45	WHS	Mt. Juliet, TN

TRIP BLANK-02 L1843532-34

Collected by: Greg S. / HMI Team
Collected date/time: 04/03/25 00:00
Received date/time: 04/04/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2488939	1	04/13/25 12:08	04/13/25 12:08	WHS	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Report Revision History

Level II Report - Version 1: 04/24/25 12:35

Project Narrative

6/27/25: Revised report to correct non-detect TDS BLANK inaccuately qualified with a J.

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1843532-24	MW-32	8015D/GRO
L1843532-25	MW-33	8015D/GRO

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	469		10.0	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	77.9	J6	0.547	1.00	1	04/04/2025 23:41	WG2483312
Fluoride	0.682		0.0761	0.150	1	04/04/2025 23:41	WG2483312
Nitrate as (N)	3.66		0.0884	0.100	1	04/04/2025 23:41	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/04/2025 23:41	WG2483312
Sulfate	66.8	J6	0.637	5.00	1	04/04/2025 23:41	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 20:38	WG2483387

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.180	J	0.0232	0.200	1	04/09/2025 17:49	WG2484483

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 15:53	WG2484488
Arsenic,Dissolved	0.00808		0.000120	0.00200	1	04/10/2025 15:53	WG2484488
Barium,Dissolved	0.185		0.000500	0.00200	1	04/10/2025 15:53	WG2484488
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 15:53	WG2484488
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 15:53	WG2484488
Copper,Dissolved	0.00179	B J	0.000700	0.00500	1	04/10/2025 15:53	WG2484488
Cobalt,Dissolved	0.000107	J	0.000100	0.00200	1	04/10/2025 15:53	WG2484488
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 15:53	WG2484488
Lead,Dissolved	U		0.000500	0.00200	1	04/10/2025 15:53	WG2484488
Manganese,Dissolved	U		0.000700	0.00500	1	04/10/2025 15:53	WG2484488
Molybdenum,Dissolved	0.00181	J	0.000500	0.00500	1	04/10/2025 15:53	WG2484488
Nickel,Dissolved	U	J4	0.000500	0.00200	1	04/10/2025 15:53	WG2484488
Selenium,Dissolved	0.00180	J	0.000250	0.00200	1	04/10/2025 15:53	WG2484488
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 15:53	WG2484488
Uranium,Dissolved	0.00239		0.000130	0.00100	1	04/10/2025 15:53	WG2484488
Zinc,Dissolved	U		0.00400	0.0250	1	04/10/2025 15:53	WG2484488

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 11:23	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 11:23	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 11:23	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 11:23	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 11:23	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 11:23	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 11:23	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 11:23	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 11:23	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 11:23	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 11:23	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 11:23	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 11:23	WG2483997
Chloroform	0.00211	J	0.000111	0.00500	1	04/06/2025 11:23	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 11:23	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 11:23	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 11:23	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 11:23	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 11:23	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 11:23	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 11:23	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 11:23	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 11:23	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 11:23	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 11:23	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 11:23	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 11:23	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 11:23	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 11:23	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 11:23	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 11:23	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 11:23	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 11:23	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 11:23	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 11:23	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 11:23	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 11:23	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 11:23	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 11:23	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 11:23	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 11:23	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 11:23	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 11:23	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 11:23	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 11:23	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 11:23	WG2483997
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2025 11:23*	WG2483997
(S) 4-Bromofluorobenzene	*94.7*			*77.0-126*		*04/06/2025 11:23*	WG2483997
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*04/06/2025 11:23*	WG2483997

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1230		20.0	1	04/10/2025 17:38	WG2487238

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	217		2.74	5.00	5	04/05/2025 06:12	WG2483312
Fluoride	0.853		0.0761	0.150	1	04/05/2025 00:35	WG2483312
Nitrate as (N)	4.90		0.0884	0.100	1	04/05/2025 00:35	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 00:35	WG2483312
Sulfate	67.6		0.637	5.00	1	04/05/2025 00:35	WG2483312

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 11:44	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 11:44	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 11:44	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 11:44	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 11:44	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 11:44	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 11:44	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 11:44	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 11:44	WG2483997
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 11:44	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 11:44	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 11:44	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 11:44	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 11:44	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 11:44	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 11:44	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 11:44	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 11:44	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 11:44	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 11:44	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 11:44	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 11:44	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 11:44	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 11:44	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 11:44	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 11:44	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 11:44	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 11:44	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 11:44	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 11:44	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 11:44	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 11:44	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 11:44	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 11:44	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 11:44	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 11:44	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 11:44	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 11:44	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 11:44	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 11:44	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 11:44	WG2483997

MW-2
Collected date/time: 04/03/25 10:20
L1843532

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 11:44	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 11:44	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 11:44	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 11:44	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 11:44	WG2483997
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2025 11:44*	WG2483997
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*		*04/06/2025 11:44*	WG2483997
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*04/06/2025 11:44*	WG2483997

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	414		10.0	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	11.9		0.547	1.00	1	04/05/2025 00:48	WG2483312
Fluoride	0.910		0.0761	0.150	1	04/05/2025 00:48	WG2483312
Nitrate as (N)	2.53		0.0884	0.100	1	04/05/2025 00:48	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 00:48	WG2483312
Sulfate	26.0		0.637	5.00	1	04/05/2025 00:48	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 20:41	WG2483387

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.0659	J	0.0232	0.200	1	04/09/2025 18:09	WG2484483

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 15:56	WG2484488
Arsenic,Dissolved	0.00229		0.000120	0.00200	1	04/10/2025 15:56	WG2484488
Barium,Dissolved	0.123		0.000500	0.00200	1	04/10/2025 15:56	WG2484488
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 15:56	WG2484488
Chromium,Dissolved	0.00204		0.000900	0.00200	1	04/10/2025 15:56	WG2484488
Copper,Dissolved	0.0129		0.000700	0.00500	1	04/10/2025 15:56	WG2484488
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 15:56	WG2484488
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 15:56	WG2484488
Lead,Dissolved	U		0.000500	0.00200	1	04/10/2025 15:56	WG2484488
Manganese,Dissolved	U		0.000700	0.00500	1	04/10/2025 15:56	WG2484488
Molybdenum,Dissolved	0.00153	J	0.000500	0.00500	1	04/10/2025 15:56	WG2484488
Nickel,Dissolved	0.00257		0.000500	0.00200	1	04/15/2025 16:45	WG2489363
Selenium,Dissolved	0.000684	J	0.000250	0.00200	1	04/10/2025 15:56	WG2484488
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 15:56	WG2484488
Uranium,Dissolved	0.00243		0.000130	0.00100	1	04/10/2025 15:56	WG2484488
Zinc,Dissolved	0.0791		0.00400	0.0250	1	04/10/2025 15:56	WG2484488

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/13/2025 23:54	WG2489699
(S) a,a,a-Trifluorotoluene(FID)	*87.3*			*78.0-120*		*04/13/2025 23:54*	WG2489699

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 12:05	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 12:05	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 12:05	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 12:05	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 12:05	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 12:05	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 12:05	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 12:05	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 12:05	WG2483997
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 12:05	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 12:05	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 12:05	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 12:05	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 12:05	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 12:05	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 12:05	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 12:05	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 12:05	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 12:05	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 12:05	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 12:05	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 12:05	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 12:05	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 12:05	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 12:05	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 12:05	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 12:05	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 12:05	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 12:05	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 12:05	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 12:05	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 12:05	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 12:05	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 12:05	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 12:05	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 12:05	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 12:05	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 12:05	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 12:05	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 12:05	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 12:05	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 12:05	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 12:05	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 12:05	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 12:05	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 12:05	WG2483997
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2025 12:05*	WG2483997
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*04/06/2025 12:05*	WG2483997
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*04/06/2025 12:05*	WG2483997

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	04/10/2025 02:31	WG2485492
(S) o-Terphenyl	*74.2*			*52.0-156*		*04/10/2025 02:31*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 19:46	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 19:46	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 19:46	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 19:46	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 19:46	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 19:46	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 19:46	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 19:46	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 19:46	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 19:46	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 19:46	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 19:46	WG2484763
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 19:46	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 19:46	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 19:46	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 19:46	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 19:46	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 19:46	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 19:46	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 19:46	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 19:46	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 19:46	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 19:46	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 19:46	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 19:46	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 19:46	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 19:46	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 19:46	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 19:46	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 19:46	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 19:46	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 19:46	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 19:46	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 19:46	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 19:46	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 19:46	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 19:46	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 19:46	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 19:46	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 19:46	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 19:46	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 19:46	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 19:46	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 19:46	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 19:46	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 19:46	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 19:46	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 19:46	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 19:46	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 19:46	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 19:46	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 19:46	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 19:46	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 19:46	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 19:46	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 19:46	WG2484763

MW-3
Collected date/time: 04/03/25 09:00
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 19:46	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 19:46	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 19:46	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 19:46	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 19:46	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 19:46	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 19:46	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 19:46	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 19:46	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 19:46	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 19:46	WG2484763
(S) 2-Fluorophenol	*17.4*			*10.0-120*		*04/12/2025 19:46*	WG2484763
(S) Phenol-d5	*15.8*			*10.0-120*		*04/12/2025 19:46*	WG2484763
(S) Nitrobenzene-d5	*51.8*			*10.0-127*		*04/12/2025 19:46*	WG2484763
(S) 2-Fluorobiphenyl	*36.7*			*10.0-130*		*04/12/2025 19:46*	WG2484763
(S) 2,4,6-Tribromophenol	*36.1*			*10.0-155*		*04/12/2025 19:46*	WG2484763
(S) p-Terphenyl-d14	*45.8*			*10.0-128*		*04/12/2025 19:46*	WG2484763

Sample Narrative:

L1843532-03 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	665		13.3	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	113		2.74	5.00	5	04/05/2025 06:25	WG2483312
Fluoride	0.820		0.0761	0.150	1	04/05/2025 01:29	WG2483312
Nitrate as (N)	7.86		0.0884	0.100	1	04/05/2025 01:29	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 01:29	WG2483312
Sulfate	89.6		0.637	5.00	1	04/05/2025 01:29	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 20:44	WG2483387

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.188	J	0.0232	0.200	1	04/09/2025 18:11	WG2484483

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 15:59	WG2484488
Arsenic,Dissolved	0.00564		0.000120	0.00200	1	04/10/2025 15:59	WG2484488
Barium,Dissolved	0.171		0.000500	0.00200	1	04/10/2025 15:59	WG2484488
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 15:59	WG2484488
Chromium,Dissolved	0.00105	J	0.000900	0.00200	1	04/10/2025 15:59	WG2484488
Copper,Dissolved	0.00708	B	0.000700	0.00500	1	04/10/2025 15:59	WG2484488
Cobalt,Dissolved	0.000187	J	0.000100	0.00200	1	04/10/2025 15:59	WG2484488
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 15:59	WG2484488
Lead,Dissolved	U		0.000500	0.00200	1	04/10/2025 15:59	WG2484488
Manganese,Dissolved	0.0314		0.000700	0.00500	1	04/10/2025 15:59	WG2484488
Molybdenum,Dissolved	0.00231	J	0.000500	0.00500	1	04/10/2025 15:59	WG2484488
Nickel,Dissolved	0.00319		0.000500	0.00200	1	04/15/2025 16:49	WG2489363
Selenium,Dissolved	0.00291		0.000250	0.00200	1	04/10/2025 15:59	WG2484488
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 15:59	WG2484488
Uranium,Dissolved	0.00529		0.000130	0.00100	1	04/10/2025 15:59	WG2484488
Zinc,Dissolved	0.0786		0.00400	0.0250	1	04/10/2025 15:59	WG2484488

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 14:12	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 14:12	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 14:12	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 14:12	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 14:12	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 14:12	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 14:12	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 14:12	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 14:12	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 14:12	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 14:12	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 14:12	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 14:12	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 14:12	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 14:12	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 14:12	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 14:12	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 14:12	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 14:12	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 14:12	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 14:12	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 14:12	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 14:12	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 14:12	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 14:12	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 14:12	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 14:12	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 14:12	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 14:12	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 14:12	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 14:12	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 14:12	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 14:12	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 14:12	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 14:12	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 14:12	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 14:12	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 14:12	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 14:12	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 14:12	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 14:12	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 14:12	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 14:12	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 14:12	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 14:12	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 14:12	WG2483997
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2025 14:12*	WG2483997
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*04/06/2025 14:12*	WG2483997
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*04/06/2025 14:12*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 13:02	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 13:02	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 13:02	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 13:02	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 13:02	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 13:02	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 13:02	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 13:02	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 13:02	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 13:02	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 13:02	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 13:02	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 13:02	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 13:02	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 13:02	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 13:02	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 13:02	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 13:02	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 13:02	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 13:02	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 13:02	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 13:02	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 13:02	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 13:02	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 13:02	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 13:02	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 13:02	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 13:02	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 13:02	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 13:02	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 13:02	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 13:02	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 13:02	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 13:02	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 13:02	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 13:02	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 13:02	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 13:02	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 13:02	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 13:02	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 13:02	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 13:02	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 13:02	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 13:02	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 13:02	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 13:02	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 13:02	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 13:02	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 13:02	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 13:02	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 13:02	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 13:02	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 13:02	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 13:02	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 13:02	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 13:02	WG2484763
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 13:02	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 13:02	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 13:02	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 13:02	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 13:02	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 13:02	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 13:02	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 13:02	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 13:02	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 13:02	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 13:02	WG2484763
(S) 2-Fluorophenol	*27.1*			*10.0-120*		*04/12/2025 13:02*	WG2484763

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*18.8*			*10.0-120*		*04/12/2025 13:02*	WG2484763
(S) Nitrobenzene-d5	*73.7*			*10.0-127*		*04/12/2025 13:02*	WG2484763
(S) 2-Fluorobiphenyl	*52.0*			*10.0-130*		*04/12/2025 13:02*	WG2484763
(S) 2,4,6-Tribromophenol	*55.0*			*10.0-155*		*04/12/2025 13:02*	WG2484763
(S) p-Terphenyl-d14	*67.8*			*10.0-128*		*04/12/2025 13:02*	WG2484763

Sample Narrative:

L1843532-04 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1250		20.0	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	222		2.74	5.00	5	04/05/2025 06:39	WG2483312
Fluoride	0.593		0.0761	0.150	1	04/05/2025 01:42	WG2483312
Nitrate as (N)	7.04		0.0884	0.100	1	04/05/2025 01:42	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 01:42	WG2483312
Sulfate	164		3.18	25.0	5	04/05/2025 06:39	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 20:46	WG2483387

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.536		0.0232	0.200	1	04/09/2025 18:14	WG2484483

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 16:03	WG2484488
Arsenic,Dissolved	0.00730		0.000120	0.00200	1	04/10/2025 16:03	WG2484488
Barium,Dissolved	0.127		0.000500	0.00200	1	04/10/2025 16:03	WG2484488
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 16:03	WG2484488
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 16:03	WG2484488
Copper,Dissolved	0.0203		0.000700	0.00500	1	04/10/2025 16:03	WG2484488
Cobalt,Dissolved	0.00665		0.000100	0.00200	1	04/10/2025 16:03	WG2484488
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 16:03	WG2484488
Lead,Dissolved	U		0.000500	0.00200	1	04/10/2025 16:03	WG2484488
Manganese,Dissolved	0.00635		0.000700	0.00500	1	04/10/2025 16:03	WG2484488
Molybdenum,Dissolved	0.00125	J	0.000500	0.00500	1	04/10/2025 16:03	WG2484488
Nickel,Dissolved	0.0294		0.000500	0.00200	1	04/15/2025 16:52	WG2489363
Selenium,Dissolved	0.00137	J	0.000250	0.00200	1	04/10/2025 16:03	WG2484488
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 16:03	WG2484488
Uranium,Dissolved	0.0105		0.000130	0.00100	1	04/10/2025 16:03	WG2484488
Zinc,Dissolved	0.515		0.00400	0.0250	1	04/10/2025 16:03	WG2484488

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 14:34	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 14:34	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 14:34	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 14:34	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 14:34	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 14:34	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 14:34	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 14:34	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 14:34	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 14:34	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 14:34	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 14:34	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 14:34	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 14:34	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 14:34	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 14:34	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 14:34	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 14:34	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 14:34	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 14:34	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 14:34	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 14:34	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 14:34	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 14:34	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 14:34	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 14:34	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 14:34	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 14:34	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 14:34	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 14:34	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 14:34	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 14:34	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 14:34	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 14:34	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 14:34	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 14:34	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 14:34	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 14:34	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 14:34	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 14:34	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 14:34	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 14:34	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 14:34	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 14:34	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 14:34	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 14:34	WG2483997
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2025 14:34*	WG2483997
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*04/06/2025 14:34*	WG2483997
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*04/06/2025 14:34*	WG2483997

MW-9
Collected date/time: 04/03/25 11:40
L1843532

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	172		5.47	10.0	10	04/05/2025 06:52	WG2483312
Fluoride	0.193		0.0761	0.150	1	04/05/2025 01:56	WG2483312
Nitrate as (N)	8.16		0.0884	0.100	1	04/05/2025 01:56	WG2483312
Nitrite as (N)	0.336		0.0794	0.100	1	04/05/2025 01:56	WG2483312
Sulfate	115		6.37	50.0	10	04/05/2025 06:52	WG2483312

MW-10
Collected date/time: 04/03/25 11:00
L1843532

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	37.0		0.547	1.00	1	04/05/2025 02:09	WG2483312
Fluoride	0.891		0.0761	0.150	1	04/05/2025 02:09	WG2483312
Nitrate as (N)	2.21		0.0884	0.100	1	04/05/2025 02:09	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 02:09	WG2483312
Sulfate	57.3		0.637	5.00	1	04/05/2025 02:09	WG2483312

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1270		20.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	290		2.74	5.00	5	04/05/2025 07:19	WG2483312
Fluoride	0.471		0.0761	0.150	1	04/05/2025 02:23	WG2483312
Nitrate as (N)	5.74		0.0884	0.100	1	04/05/2025 02:23	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 02:23	WG2483312
Sulfate	98.3		3.18	25.0	5	04/05/2025 07:19	WG2483312

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	04/11/2025 19:40	WG2483387

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.271		0.0232	0.200	1	04/09/2025 18:17	WG2484483

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 16:06	WG2484488
Arsenic,Dissolved	0.00293		0.000120	0.00200	1	04/10/2025 16:06	WG2484488
Barium,Dissolved	0.211		0.000500	0.00200	1	04/10/2025 16:06	WG2484488
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 16:06	WG2484488
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 16:06	WG2484488
Copper,Dissolved	0.0302		0.000700	0.00500	1	04/10/2025 16:06	WG2484488
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 16:06	WG2484488
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 16:06	WG2484488
Lead,Dissolved	0.000776	J	0.000500	0.00200	1	04/10/2025 16:06	WG2484488
Manganese,Dissolved	0.00124	J	0.000700	0.00500	1	04/10/2025 16:06	WG2484488
Molybdenum,Dissolved	0.00100	J	0.000500	0.00500	1	04/10/2025 16:06	WG2484488
Nickel,Dissolved	0.00107	J	0.000500	0.00200	1	04/15/2025 16:55	WG2489363
Selenium,Dissolved	0.000927	J	0.000250	0.00200	1	04/10/2025 16:06	WG2484488
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 16:06	WG2484488
Uranium,Dissolved	0.00688		0.000130	0.00100	1	04/10/2025 16:06	WG2484488
Zinc,Dissolved	0.0404		0.00400	0.0250	1	04/10/2025 16:06	WG2484488

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/06/2025 14:55	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 14:55	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 14:55	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 14:55	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 14:55	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 14:55	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 14:55	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 14:55	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 14:55	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 14:55	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 14:55	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 14:55	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 14:55	WG2483997
Chloroform	0.00158	J	0.000111	0.00500	1	04/06/2025 14:55	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 14:55	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 14:55	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 14:55	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 14:55	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 14:55	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 14:55	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 14:55	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 14:55	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 14:55	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 14:55	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 14:55	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 14:55	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 14:55	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 14:55	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 14:55	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 14:55	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 14:55	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 14:55	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 14:55	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 14:55	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 14:55	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 14:55	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 14:55	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 14:55	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 14:55	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 14:55	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 14:55	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 14:55	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 14:55	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 14:55	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 14:55	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 14:55	WG2483997
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2025 14:55*	WG2483997
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*04/06/2025 14:55*	WG2483997
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*04/06/2025 14:55*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00148	0.0167	16.7	04/12/2025 13:23	WG2484763
Acenaphthylene	U	C4 J4	0.00154	0.0167	16.7	04/12/2025 13:23	WG2484763
Acetophenone	U		0.00347	0.167	16.7	04/12/2025 13:23	WG2484763
Anthracene	U		0.00134	0.0167	16.7	04/12/2025 13:23	WG2484763
Atrazine	U		0.00426	0.167	16.7	04/12/2025 13:23	WG2484763
Benzo(a)anthracene	U		0.00332	0.0167	16.7	04/12/2025 13:23	WG2484763
Benzaldehyde	U	C7	0.0282	0.167	16.7	04/12/2025 13:23	WG2484763
Benzo(b)fluoranthene	U		0.00217	0.0167	16.7	04/12/2025 13:23	WG2484763
Benzo(k)fluoranthene	U		0.00200	0.0167	16.7	04/12/2025 13:23	WG2484763
Benzo(g,h,i)perylene	U	J4	0.00202	0.0167	16.7	04/12/2025 13:23	WG2484763
Benzo(a)pyrene	U	J4	0.000636	0.00334	16.7	04/12/2025 13:23	WG2484763
Biphenyl	U		0.0132	0.167	16.7	04/12/2025 13:23	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.00194	0.167	16.7	04/12/2025 13:23	WG2484763
Bis(2-chloroethyl)ether	U		0.00229	0.167	16.7	04/12/2025 13:23	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.00351	0.167	16.7	04/12/2025 13:23	WG2484763
4-Bromophenyl-phenylether	U		0.00146	0.167	16.7	04/12/2025 13:23	WG2484763
2-Chloronaphthalene	U		0.00108	0.0167	16.7	04/12/2025 13:23	WG2484763
4-Chlorophenyl-phenylether	U		0.00155	0.167	16.7	04/12/2025 13:23	WG2484763
Caprolactam	U		0.00516	0.167	16.7	04/12/2025 13:23	WG2484763
Carbazole	U		0.00185	0.167	16.7	04/12/2025 13:23	WG2484763
Chrysene	U	J4	0.00217	0.0167	16.7	04/12/2025 13:23	WG2484763
Dibenz(a,h)anthracene	U	J4	0.00108	0.00334	16.7	04/12/2025 13:23	WG2484763
Dibenzofuran	U		0.00162	0.167	16.7	04/12/2025 13:23	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.00354	0.167	16.7	04/12/2025 13:23	WG2484763
2,4-Dinitrotoluene	U		0.00164	0.167	16.7	04/12/2025 13:23	WG2484763
2,6-Dinitrotoluene	U		0.00418	0.167	16.7	04/12/2025 13:23	WG2484763
Fluoranthene	U		0.00170	0.0167	16.7	04/12/2025 13:23	WG2484763
Fluorene	U		0.00141	0.0167	16.7	04/12/2025 13:23	WG2484763
Hexachlorobenzene	U		0.00126	0.0167	16.7	04/12/2025 13:23	WG2484763
Hexachloro-1,3-butadiene	U		0.00162	0.167	16.7	04/12/2025 13:23	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.000999	0.167	16.7	04/12/2025 13:23	WG2484763
Hexachloroethane	U		0.00212	0.167	16.7	04/12/2025 13:23	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.00466	0.0167	16.7	04/12/2025 13:23	WG2484763
Isophorone	U		0.00239	0.167	16.7	04/12/2025 13:23	WG2484763
1-Methylnaphthalene	U		0.00132	0.0167	16.7	04/12/2025 13:23	WG2484763
2-Methylnaphthalene	U		0.00195	0.0167	16.7	04/12/2025 13:23	WG2484763
Naphthalene	U		0.00266	0.0167	16.7	04/12/2025 13:23	WG2484763
Nitrobenzene	U		0.00496	0.167	16.7	04/12/2025 13:23	WG2484763
n-Nitrosodiphenylamine	U	J4	0.0396	0.167	16.7	04/12/2025 13:23	WG2484763
n-Nitrosodi-n-propylamine	U		0.00436	0.167	16.7	04/12/2025 13:23	WG2484763
Phenanthrene	U		0.00187	0.0167	16.7	04/12/2025 13:23	WG2484763
Benzylbutyl phthalate	U		0.0128	0.0501	16.7	04/12/2025 13:23	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.0149	0.0501	16.7	04/12/2025 13:23	WG2484763
Di-n-butyl phthalate	U		0.00757	0.0501	16.7	04/12/2025 13:23	WG2484763
Diethyl phthalate	U		0.00479	0.0501	16.7	04/12/2025 13:23	WG2484763
Dimethyl phthalate	U		0.00434	0.0501	16.7	04/12/2025 13:23	WG2484763
Di-n-octyl phthalate	U		0.0156	0.0501	16.7	04/12/2025 13:23	WG2484763
Pyrene	U		0.00179	0.0167	16.7	04/12/2025 13:23	WG2484763
1,2,4-Trichlorobenzene	U		0.00117	0.167	16.7	04/12/2025 13:23	WG2484763
4-Chloro-3-methylphenol	U		0.00219	0.167	16.7	04/12/2025 13:23	WG2484763
2-Chlorophenol	U		0.00222	0.167	16.7	04/12/2025 13:23	WG2484763
2,4-Dichlorophenol	U		0.00170	0.167	16.7	04/12/2025 13:23	WG2484763
2,4-Dimethylphenol	U	J4	0.00106	0.167	16.7	04/12/2025 13:23	WG2484763
4,6-Dinitro-2-methylphenol	U		0.0187	0.167	16.7	04/12/2025 13:23	WG2484763
2,4-Dinitrophenol	U		0.0990	0.167	16.7	04/12/2025 13:23	WG2484763
2-Nitrophenol	U		0.00195	0.167	16.7	04/12/2025 13:23	WG2484763
2-Nitroaniline	U		0.00170	0.167	16.7	04/12/2025 13:23	WG2484763
2-Methylphenol	U		0.00155	0.167	16.7	04/12/2025 13:23	WG2484763
3&4-Methyl Phenol	U		0.00281	0.167	16.7	04/12/2025 13:23	WG2484763
3-Nitroaniline	U		0.00145	0.167	16.7	04/12/2025 13:23	WG2484763
4-Chloroaniline	U		0.00391	0.167	16.7	04/12/2025 13:23	WG2484763
4-Nitroaniline	U	J3	0.00152	0.167	16.7	04/12/2025 13:23	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.00239	0.167	16.7	04/12/2025 13:23	WG2484763
Pentachlorophenol	U	J3 J4	0.00523	0.167	16.7	04/12/2025 13:23	WG2484763
Phenol	U		0.0723	0.167	16.7	04/12/2025 13:23	WG2484763
2,4,5-Trichlorophenol	U		0.00182	0.167	16.7	04/12/2025 13:23	WG2484763
2,4,6-Trichlorophenol	U		0.00167	0.167	16.7	04/12/2025 13:23	WG2484763
(S) 2-Fluorophenol	*20.1*			*10.0-120*		*04/12/2025 13:23*	WG2484763

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*14.9*			*10.0-120*		*04/12/2025 13:23*	WG2484763
(S) Nitrobenzene-d5	*57.8*			*10.0-127*		*04/12/2025 13:23*	WG2484763
(S) 2-Fluorobiphenyl	*41.0*			*10.0-130*		*04/12/2025 13:23*	WG2484763
(S) 2,4,6-Tribromophenol	*42.3*			*10.0-155*		*04/12/2025 13:23*	WG2484763
(S) p-Terphenyl-d14	*55.0*			*10.0-128*		*04/12/2025 13:23*	WG2484763

Sample Narrative:

L1843532-08 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1240		20.0	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	282		2.74	5.00	5	04/05/2025 07:33	WG2483312
Fluoride	0.360		0.0761	0.150	1	04/05/2025 02:36	WG2483312
Nitrate as (N)	4.52		0.0884	0.100	1	04/05/2025 02:36	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 02:36	WG2483312
Sulfate	124		3.18	25.0	5	04/05/2025 07:33	WG2483312

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	0.0000867	J	0.0000700	0.000200	1	04/11/2025 20:49	WG2483387

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.283		0.0232	0.200	1	04/09/2025 16:52	WG2484483

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	0.0303	J	0.0160	0.100	1	04/10/2025 16:09	WG2484488
Arsenic,Dissolved	0.00256		0.000120	0.00200	1	04/10/2025 16:09	WG2484488
Barium,Dissolved	0.130		0.000500	0.00200	1	04/10/2025 16:09	WG2484488
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 16:09	WG2484488
Chromium,Dissolved	0.00207		0.000900	0.00200	1	04/10/2025 16:09	WG2484488
Copper,Dissolved	0.00568	B	0.000700	0.00500	1	04/10/2025 16:09	WG2484488
Cobalt,Dissolved	0.000254	J	0.000100	0.00200	1	04/10/2025 16:09	WG2484488
Iron,Dissolved	0.0234	J	0.0226	0.100	1	04/10/2025 16:09	WG2484488
Lead,Dissolved	U		0.000500	0.00200	1	04/10/2025 16:09	WG2484488
Manganese,Dissolved	0.00277	J	0.000700	0.00500	1	04/10/2025 16:09	WG2484488
Molybdenum,Dissolved	0.000665	J	0.000500	0.00500	1	04/10/2025 16:09	WG2484488
Nickel,Dissolved	0.00435		0.000500	0.00200	1	04/15/2025 16:58	WG2489363
Selenium,Dissolved	0.00121	J	0.000250	0.00200	1	04/10/2025 16:09	WG2484488
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 16:09	WG2484488
Uranium,Dissolved	0.0106		0.000130	0.00100	1	04/10/2025 16:09	WG2484488
Zinc,Dissolved	0.00431	J	0.00400	0.0250	1	04/10/2025 16:09	WG2484488

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/06/2025 15:16	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 15:16	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 15:16	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 15:16	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 15:16	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 15:16	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 15:16	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 15:16	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 15:16	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 15:16	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 15:16	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 15:16	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 15:16	WG2483997
Chloroform	0.000737	J	0.000111	0.00500	1	04/06/2025 15:16	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 15:16	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 15:16	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 15:16	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 15:16	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 15:16	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 15:16	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 15:16	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 15:16	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 15:16	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 15:16	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 15:16	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 15:16	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 15:16	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 15:16	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 15:16	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 15:16	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 15:16	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 15:16	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 15:16	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 15:16	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 15:16	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 15:16	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 15:16	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 15:16	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 15:16	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 15:16	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 15:16	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 15:16	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 15:16	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 15:16	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 15:16	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 15:16	WG2483997
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2025 15:16*	WG2483997
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*04/06/2025 15:16*	WG2483997
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*04/06/2025 15:16*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 13:45	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 13:45	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 13:45	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 13:45	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 13:45	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 13:45	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 13:45	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 13:45	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 13:45	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 13:45	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 13:45	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 13:45	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 13:45	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 13:45	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 13:45	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 13:45	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 13:45	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 13:45	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 13:45	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 13:45	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 13:45	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 13:45	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 13:45	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 13:45	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 13:45	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 13:45	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 13:45	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 13:45	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 13:45	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 13:45	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 13:45	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 13:45	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 13:45	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 13:45	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 13:45	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 13:45	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 13:45	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 13:45	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 13:45	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 13:45	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 13:45	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 13:45	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 13:45	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 13:45	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 13:45	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 13:45	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 13:45	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 13:45	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 13:45	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 13:45	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 13:45	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 13:45	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 13:45	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 13:45	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 13:45	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 13:45	WG2484763
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 13:45	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 13:45	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 13:45	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 13:45	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 13:45	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 13:45	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 13:45	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 13:45	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 13:45	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 13:45	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 13:45	WG2484763
(S) 2-Fluorophenol	*19.8*			*10.0-120*		*04/12/2025 13:45*	WG2484763

MW-13R
Collected date/time: 04/03/25 09:45
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*14.5*			*10.0-120*		*04/12/2025 13:45*	WG2484763
(S) Nitrobenzene-d5	*58.4*			*10.0-127*		*04/12/2025 13:45*	WG2484763
(S) 2-Fluorobiphenyl	*42.9*			*10.0-130*		*04/12/2025 13:45*	WG2484763
(S) 2,4,6-Tribromophenol	*44.7*			*10.0-155*		*04/12/2025 13:45*	WG2484763
(S) p-Terphenyl-d14	*60.0*			*10.0-128*		*04/12/2025 13:45*	WG2484763

Sample Narrative:

L1843532-09 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	458		10.0	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	81.0		0.547	1.00	1	04/05/2025 02:49	WG2483312
Fluoride	0.972		0.0761	0.150	1	04/05/2025 02:49	WG2483312
Nitrate as (N)	1.85		0.0884	0.100	1	04/05/2025 02:49	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 02:49	WG2483312
Sulfate	42.9		0.637	5.00	1	04/05/2025 02:49	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 17:40	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.199	J	0.0232	0.200	1	04/09/2025 18:20	WG2484483

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	0.0912	J	0.0160	0.100	1	04/10/2025 12:10	WG2484488
Arsenic,Dissolved	0.00340		0.000120	0.00200	1	04/10/2025 12:10	WG2484488
Barium,Dissolved	0.110		0.000500	0.00200	1	04/10/2025 12:10	WG2484488
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 12:10	WG2484488
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 12:10	WG2484488
Copper,Dissolved	0.00156	B J	0.000700	0.00500	1	04/10/2025 12:10	WG2484488
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 12:10	WG2484488
Iron,Dissolved	0.0492	J	0.0226	0.100	1	04/10/2025 12:10	WG2484488
Lead,Dissolved	U		0.000500	0.00200	1	04/10/2025 12:10	WG2484488
Manganese,Dissolved	0.00169	J	0.000700	0.00500	1	04/10/2025 12:10	WG2484488
Molybdenum,Dissolved	0.00300	J	0.000500	0.00500	1	04/10/2025 12:10	WG2484488
Nickel,Dissolved	U	J4	0.000500	0.00200	1	04/10/2025 12:10	WG2484488
Selenium,Dissolved	0.00136	J	0.000250	0.00200	1	04/10/2025 12:10	WG2484488
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 12:10	WG2484488
Uranium,Dissolved	0.00415		0.000130	0.00100	1	04/10/2025 12:10	WG2484488
Zinc,Dissolved	U		0.00400	0.0250	1	04/10/2025 12:10	WG2484488

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 15:38	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 15:38	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 15:38	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 15:38	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 15:38	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 15:38	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 15:38	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 15:38	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 15:38	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 15:38	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 15:38	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 15:38	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 15:38	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 15:38	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 15:38	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 15:38	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 15:38	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 15:38	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 15:38	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 15:38	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 15:38	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 15:38	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 15:38	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 15:38	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 15:38	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 15:38	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 15:38	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 15:38	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 15:38	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 15:38	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 15:38	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 15:38	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 15:38	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 15:38	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 15:38	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 15:38	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 15:38	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 15:38	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 15:38	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 15:38	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 15:38	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 15:38	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 15:38	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 15:38	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 15:38	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 15:38	WG2483997
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2025 15:38*	WG2483997
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*04/06/2025 15:38*	WG2483997
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*04/06/2025 15:38*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 14:06	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 14:06	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 14:06	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 14:06	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 14:06	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 14:06	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 14:06	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 14:06	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 14:06	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 14:06	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 14:06	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 14:06	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 14:06	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 14:06	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 14:06	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 14:06	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 14:06	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 14:06	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 14:06	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 14:06	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 14:06	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 14:06	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 14:06	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 14:06	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 14:06	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 14:06	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 14:06	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 14:06	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 14:06	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 14:06	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 14:06	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 14:06	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 14:06	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 14:06	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 14:06	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 14:06	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 14:06	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 14:06	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 14:06	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 14:06	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 14:06	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 14:06	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 14:06	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 14:06	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 14:06	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 14:06	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 14:06	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 14:06	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 14:06	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 14:06	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 14:06	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 14:06	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 14:06	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 14:06	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 14:06	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 14:06	WG2484763
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 14:06	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 14:06	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 14:06	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 14:06	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 14:06	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 14:06	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 14:06	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 14:06	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 14:06	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 14:06	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 14:06	WG2484763
(S) 2-Fluorophenol	*29.9*			*10.0-120*		*04/12/2025 14:06*	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*20.8*			*10.0-120*		*04/12/2025 14:06*	WG2484763
(S) Nitrobenzene-d5	*74.8*			*10.0-127*		*04/12/2025 14:06*	WG2484763
(S) 2-Fluorobiphenyl	*50.1*			*10.0-130*		*04/12/2025 14:06*	WG2484763
(S) 2,4,6-Tribromophenol	*46.0*			*10.0-155*		*04/12/2025 14:06*	WG2484763
(S) p-Terphenyl-d14	*62.0*			*10.0-128*		*04/12/2025 14:06*	WG2484763

Sample Narrative:

L1843532-10 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1880		25.0	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	558		5.47	10.0	10	04/05/2025 07:46	WG2483312
Fluoride	0.604		0.0761	0.150	1	04/05/2025 03:30	WG2483312
Nitrate as (N)	3.62		0.0884	0.100	1	04/05/2025 03:30	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 03:30	WG2483312
Sulfate	97.7		0.637	5.00	1	04/05/2025 03:30	WG2483312

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	04/11/2025 17:43	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.196	J	0.0232	0.200	1	04/09/2025 18:44	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:19	WG2484489
Arsenic,Dissolved	0.00305		0.000120	0.00200	1	04/10/2025 18:19	WG2484489
Barium,Dissolved	0.138		0.000500	0.00200	1	04/10/2025 18:19	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:19	WG2484489
Chromium,Dissolved	0.0127		0.000900	0.00200	1	04/10/2025 18:19	WG2484489
Copper,Dissolved	0.00527		0.000700	0.00500	1	04/10/2025 18:19	WG2484489
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 18:19	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 18:19	WG2484489
Lead,Dissolved	0.00104	J	0.000500	0.00200	1	04/10/2025 18:19	WG2484489
Manganese,Dissolved	U		0.000700	0.00500	1	04/10/2025 18:19	WG2484489
Molybdenum,Dissolved	0.00170	J	0.000500	0.00500	1	04/10/2025 18:19	WG2484489
Nickel,Dissolved	0.000653	J	0.000500	0.00200	1	04/10/2025 18:19	WG2484489
Selenium,Dissolved	0.00195	J	0.000250	0.00200	1	04/10/2025 18:19	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:19	WG2484489
Uranium,Dissolved	0.00230		0.000130	0.00100	1	04/10/2025 20:52	WG2484489
Zinc,Dissolved	0.0233	J	0.00400	0.0250	1	04/10/2025 18:19	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/06/2025 15:59	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 15:59	WG2483997
Bromodichloromethane	0.00126		0.000136	0.00100	1	04/06/2025 15:59	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 15:59	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 15:59	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 15:59	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 15:59	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 15:59	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 15:59	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 15:59	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 15:59	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 15:59	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 15:59	WG2483997
Chloroform	0.00609		0.000111	0.00500	1	04/06/2025 15:59	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 15:59	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 15:59	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 15:59	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 15:59	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 15:59	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 15:59	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 15:59	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 15:59	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 15:59	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 15:59	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 15:59	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 15:59	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 15:59	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 15:59	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 15:59	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 15:59	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 15:59	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 15:59	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 15:59	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 15:59	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 15:59	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 15:59	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 15:59	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 15:59	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 15:59	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 15:59	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 15:59	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 15:59	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 15:59	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 15:59	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 15:59	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 15:59	WG2483997
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2025 15:59*	WG2483997
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*04/06/2025 15:59*	WG2483997
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*04/06/2025 15:59*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 14:27	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 14:27	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 14:27	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 14:27	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 14:27	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 14:27	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 14:27	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 14:27	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 14:27	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 14:27	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 14:27	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 14:27	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 14:27	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 14:27	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 14:27	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 14:27	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 14:27	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 14:27	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 14:27	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 14:27	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 14:27	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 14:27	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 14:27	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 14:27	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 14:27	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 14:27	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 14:27	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 14:27	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 14:27	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 14:27	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 14:27	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 14:27	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 14:27	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 14:27	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 14:27	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 14:27	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 14:27	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 14:27	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 14:27	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 14:27	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 14:27	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 14:27	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 14:27	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 14:27	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 14:27	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 14:27	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 14:27	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 14:27	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 14:27	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 14:27	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 14:27	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 14:27	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 14:27	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 14:27	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 14:27	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 14:27	WG2484763
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 14:27	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 14:27	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 14:27	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 14:27	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 14:27	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 14:27	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 14:27	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 14:27	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 14:27	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 14:27	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 14:27	WG2484763
(S) 2-Fluorophenol	*28.2*			*10.0-120*		*04/12/2025 14:27*	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*20.2*			*10.0-120*		*04/12/2025 14:27*	WG2484763
(S) Nitrobenzene-d5	*77.8*			*10.0-127*		*04/12/2025 14:27*	WG2484763
(S) 2-Fluorobiphenyl	*54.9*			*10.0-130*		*04/12/2025 14:27*	WG2484763
(S) 2,4,6-Tribromophenol	*54.8*			*10.0-155*		*04/12/2025 14:27*	WG2484763
(S) p-Terphenyl-d14	*67.0*			*10.0-128*		*04/12/2025 14:27*	WG2484763

Sample Narrative:

L1843532-11 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	439		10.0	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	57.7		0.547	1.00	1	04/05/2025 03:43	WG2483312
Fluoride	0.833		0.0761	0.150	1	04/05/2025 03:43	WG2483312
Nitrate as (N)	3.83		0.0884	0.100	1	04/05/2025 03:43	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 03:43	WG2483312
Sulfate	59.6		0.637	5.00	1	04/05/2025 03:43	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 16:55	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.171	J	0.0232	0.200	1	04/09/2025 18:47	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:22	WG2484489
Arsenic,Dissolved	0.00514		0.000120	0.00200	1	04/10/2025 18:22	WG2484489
Barium,Dissolved	0.112		0.000500	0.00200	1	04/10/2025 18:22	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:22	WG2484489
Chromium,Dissolved	0.00327		0.000900	0.00200	1	04/10/2025 18:22	WG2484489
Copper,Dissolved	0.00690		0.000700	0.00500	1	04/10/2025 18:22	WG2484489
Cobalt,Dissolved	0.000142	J	0.000100	0.00200	1	04/10/2025 18:22	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 18:22	WG2484489
Lead,Dissolved	0.000856	J	0.000500	0.00200	1	04/10/2025 18:22	WG2484489
Manganese,Dissolved	0.000861	J	0.000700	0.00500	1	04/10/2025 18:22	WG2484489
Molybdenum,Dissolved	0.00261	J	0.000500	0.00500	1	04/10/2025 18:22	WG2484489
Nickel,Dissolved	0.00342		0.000500	0.00200	1	04/10/2025 18:22	WG2484489
Selenium,Dissolved	0.00222		0.000250	0.00200	1	04/10/2025 18:22	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:22	WG2484489
Uranium,Dissolved	0.00177		0.000130	0.00100	1	04/10/2025 20:56	WG2484489
Zinc,Dissolved	0.179		0.00400	0.0250	1	04/10/2025 18:22	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 16:20	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 16:20	WG2483997
Bromodichloromethane	0.000563	J	0.000136	0.00100	1	04/06/2025 16:20	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 16:20	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 16:20	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 16:20	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 16:20	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 16:20	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 16:20	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 16:20	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 16:20	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 16:20	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 16:20	WG2483997
Chloroform	0.00477	J	0.000111	0.00500	1	04/06/2025 16:20	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 16:20	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 16:20	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 16:20	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 16:20	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 16:20	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 16:20	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 16:20	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 16:20	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 16:20	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 16:20	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 16:20	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 16:20	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 16:20	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 16:20	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 16:20	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 16:20	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 16:20	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 16:20	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 16:20	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 16:20	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 16:20	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 16:20	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 16:20	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 16:20	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 16:20	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 16:20	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 16:20	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 16:20	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 16:20	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 16:20	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 16:20	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 16:20	WG2483997
(S) Toluene-d8	*98.1*			*80.0-120*		*04/06/2025 16:20*	WG2483997
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*04/06/2025 16:20*	WG2483997
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*04/06/2025 16:20*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 14:48	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 14:48	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 14:48	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 14:48	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 14:48	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 14:48	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 14:48	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 14:48	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 14:48	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 14:48	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 14:48	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 14:48	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 14:48	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 14:48	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 14:48	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 14:48	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 14:48	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 14:48	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 14:48	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 14:48	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 14:48	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 14:48	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 14:48	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 14:48	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 14:48	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 14:48	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 14:48	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 14:48	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 14:48	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 14:48	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 14:48	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 14:48	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 14:48	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 14:48	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 14:48	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 14:48	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 14:48	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 14:48	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 14:48	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 14:48	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 14:48	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 14:48	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 14:48	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 14:48	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 14:48	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 14:48	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 14:48	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 14:48	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 14:48	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 14:48	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 14:48	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 14:48	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 14:48	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 14:48	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 14:48	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 14:48	WG2484763
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 14:48	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 14:48	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 14:48	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 14:48	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 14:48	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 14:48	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 14:48	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 14:48	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 14:48	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 14:48	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 14:48	WG2484763
(S) 2-Fluorophenol	*27.7*			*10.0-120*		*04/12/2025 14:48*	WG2484763

MW-10R
Collected date/time: 04/03/25 09:50
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*19.2*			*10.0-120*		*04/12/2025 14:48*	WG2484763
(S) Nitrobenzene-d5	*68.5*			*10.0-127*		*04/12/2025 14:48*	WG2484763
(S) 2-Fluorobiphenyl	*52.7*			*10.0-130*		*04/12/2025 14:48*	WG2484763
(S) 2,4,6-Tribromophenol	*50.1*			*10.0-155*		*04/12/2025 14:48*	WG2484763
(S) p-Terphenyl-d14	*60.8*			*10.0-128*		*04/12/2025 14:48*	WG2484763

Sample Narrative:

L1843532-12 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	695		13.3	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	155		2.74	5.00	5	04/05/2025 08:13	WG2483312
Fluoride	0.614		0.0761	0.150	1	04/05/2025 03:57	WG2483312
Nitrate as (N)	2.83		0.0884	0.100	1	04/05/2025 03:57	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 03:57	WG2483312
Sulfate	99.1		0.637	5.00	1	04/05/2025 03:57	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 17:45	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.176	J	0.0232	0.200	1	04/09/2025 18:50	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:25	WG2484489
Arsenic,Dissolved	0.00607		0.000120	0.00200	1	04/10/2025 18:25	WG2484489
Barium,Dissolved	0.150		0.000500	0.00200	1	04/10/2025 18:25	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:25	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 18:25	WG2484489
Copper,Dissolved	0.00902		0.000700	0.00500	1	04/10/2025 18:25	WG2484489
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 18:25	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 18:25	WG2484489
Lead,Dissolved	0.00117	J	0.000500	0.00200	1	04/10/2025 18:25	WG2484489
Manganese,Dissolved	0.00175	J	0.000700	0.00500	1	04/10/2025 18:25	WG2484489
Molybdenum,Dissolved	0.00288	J	0.000500	0.00500	1	04/10/2025 18:25	WG2484489
Nickel,Dissolved	0.00493		0.000500	0.00200	1	04/10/2025 18:25	WG2484489
Selenium,Dissolved	0.00369		0.000250	0.00200	1	04/10/2025 18:25	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:25	WG2484489
Uranium,Dissolved	0.00147		0.000130	0.00100	1	04/10/2025 20:59	WG2484489
Zinc,Dissolved	0.166		0.00400	0.0250	1	04/10/2025 18:25	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 18:46	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 18:46	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 18:46	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 18:46	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 18:46	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 18:46	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 18:46	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 18:46	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 18:46	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 18:46	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 18:46	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 18:46	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 18:46	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 18:46	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 18:46	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 18:46	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 18:46	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 18:46	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 18:46	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 18:46	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 18:46	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 18:46	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 18:46	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 18:46	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 18:46	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 18:46	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 18:46	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 18:46	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 18:46	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 18:46	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 18:46	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 18:46	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 18:46	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 18:46	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 18:46	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 18:46	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 18:46	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 18:46	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 18:46	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 18:46	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 18:46	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 18:46	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 18:46	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 18:46	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 18:46	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 18:46	WG2483997
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2025 18:46*	WG2483997
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*04/06/2025 18:46*	WG2483997
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*04/06/2025 18:46*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 15:10	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 15:10	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 15:10	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 15:10	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 15:10	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 15:10	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 15:10	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 15:10	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 15:10	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 15:10	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 15:10	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 15:10	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 15:10	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 15:10	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 15:10	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 15:10	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 15:10	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 15:10	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 15:10	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 15:10	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 15:10	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 15:10	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 15:10	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 15:10	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 15:10	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 15:10	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 15:10	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 15:10	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 15:10	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 15:10	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 15:10	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 15:10	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 15:10	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 15:10	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 15:10	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 15:10	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 15:10	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 15:10	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 15:10	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 15:10	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 15:10	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 15:10	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 15:10	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 15:10	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 15:10	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 15:10	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 15:10	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 15:10	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 15:10	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 15:10	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 15:10	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 15:10	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 15:10	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 15:10	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 15:10	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 15:10	WG2484763
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 15:10	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 15:10	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 15:10	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 15:10	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 15:10	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 15:10	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 15:10	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 15:10	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 15:10	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 15:10	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 15:10	WG2484763
(S) 2-Fluorophenol	*21.3*			*10.0-120*		*04/12/2025 15:10*	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*15.0*			*10.0-120*		*04/12/2025 15:10*	WG2484763
(S) Nitrobenzene-d5	*58.1*			*10.0-127*		*04/12/2025 15:10*	WG2484763
(S) 2-Fluorobiphenyl	*44.3*			*10.0-130*		*04/12/2025 15:10*	WG2484763
(S) 2,4,6-Tribromophenol	*41.9*			*10.0-155*		*04/12/2025 15:10*	WG2484763
(S) p-Terphenyl-d14	*53.8*			*10.0-128*		*04/12/2025 15:10*	WG2484763

Sample Narrative:

L1843532-13 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	813		13.3	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	197		2.74	5.00	5	04/05/2025 08:54	WG2483312
Fluoride	0.588		0.0761	0.150	1	04/05/2025 04:10	WG2483312
Nitrate as (N)	2.20		0.0884	0.100	1	04/05/2025 04:10	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 04:10	WG2483312
Sulfate	41.7		0.637	5.00	1	04/05/2025 04:10	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 17:48	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.174	J	0.0232	0.200	1	04/09/2025 18:53	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:38	WG2484489
Arsenic,Dissolved	0.00348		0.000120	0.00200	1	04/10/2025 18:38	WG2484489
Barium,Dissolved	0.141		0.000500	0.00200	1	04/10/2025 18:38	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:38	WG2484489
Chromium,Dissolved	0.00116	J	0.000900	0.00200	1	04/10/2025 18:38	WG2484489
Copper,Dissolved	0.00288	J	0.000700	0.00500	1	04/10/2025 18:38	WG2484489
Cobalt,Dissolved	0.000136	J	0.000100	0.00200	1	04/10/2025 18:38	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 18:38	WG2484489
Lead,Dissolved	0.000892	J	0.000500	0.00200	1	04/10/2025 18:38	WG2484489
Manganese,Dissolved	U		0.000700	0.00500	1	04/10/2025 18:38	WG2484489
Molybdenum,Dissolved	0.00300	J	0.000500	0.00500	1	04/10/2025 18:38	WG2484489
Nickel,Dissolved	0.00130	J	0.000500	0.00200	1	04/10/2025 18:38	WG2484489
Selenium,Dissolved	0.00111	J	0.000250	0.00200	1	04/10/2025 18:38	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:38	WG2484489
Uranium,Dissolved	0.00220		0.000130	0.00100	1	04/10/2025 21:02	WG2484489
Zinc,Dissolved	0.0460		0.00400	0.0250	1	04/10/2025 18:38	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 19:07	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 19:07	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 19:07	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 19:07	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 19:07	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 19:07	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 19:07	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 19:07	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 19:07	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 19:07	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 19:07	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 19:07	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 19:07	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 19:07	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 19:07	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 19:07	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 19:07	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 19:07	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 19:07	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 19:07	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 19:07	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 19:07	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 19:07	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 19:07	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 19:07	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 19:07	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 19:07	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 19:07	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 19:07	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 19:07	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 19:07	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 19:07	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 19:07	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 19:07	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 19:07	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 19:07	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 19:07	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 19:07	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 19:07	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 19:07	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 19:07	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 19:07	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 19:07	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 19:07	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 19:07	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 19:07	WG2483997
(S) Toluene-d8	*99.1*			*80.0-120*		*04/06/2025 19:07*	WG2483997
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*		*04/06/2025 19:07*	WG2483997
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*04/06/2025 19:07*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000921	0.00104	1.04	04/12/2025 15:31	WG2484763
Acenaphthylene	U	C4 J4	0.0000958	0.00104	1.04	04/12/2025 15:31	WG2484763
Acetophenone	U		0.000216	0.0104	1.04	04/12/2025 15:31	WG2484763
Anthracene	U		0.0000836	0.00104	1.04	04/12/2025 15:31	WG2484763
Atrazine	U		0.000265	0.0104	1.04	04/12/2025 15:31	WG2484763
Benzo(a)anthracene	U		0.000207	0.00104	1.04	04/12/2025 15:31	WG2484763
Benzaldehyde	U	C7	0.00176	0.0104	1.04	04/12/2025 15:31	WG2484763
Benzo(b)fluoranthene	U		0.000135	0.00104	1.04	04/12/2025 15:31	WG2484763
Benzo(k)fluoranthene	U		0.000125	0.00104	1.04	04/12/2025 15:31	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000126	0.00104	1.04	04/12/2025 15:31	WG2484763
Benzo(a)pyrene	U	J4	0.0000396	0.000208	1.04	04/12/2025 15:31	WG2484763
Biphenyl	U		0.000822	0.0104	1.04	04/12/2025 15:31	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000121	0.0104	1.04	04/12/2025 15:31	WG2484763
Bis(2-chloroethyl)ether	U		0.000142	0.0104	1.04	04/12/2025 15:31	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000218	0.0104	1.04	04/12/2025 15:31	WG2484763
4-Bromophenyl-phenylether	U		0.0000912	0.0104	1.04	04/12/2025 15:31	WG2484763
2-Chloronaphthalene	U		0.0000674	0.00104	1.04	04/12/2025 15:31	WG2484763
4-Chlorophenyl-phenylether	U		0.0000963	0.0104	1.04	04/12/2025 15:31	WG2484763
Caprolactam	U		0.000321	0.0104	1.04	04/12/2025 15:31	WG2484763
Carbazole	U		0.000115	0.0104	1.04	04/12/2025 15:31	WG2484763
Chrysene	U	J4	0.000135	0.00104	1.04	04/12/2025 15:31	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000670	0.000208	1.04	04/12/2025 15:31	WG2484763
Dibenzofuran	U		0.000101	0.0104	1.04	04/12/2025 15:31	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000220	0.0104	1.04	04/12/2025 15:31	WG2484763
2,4-Dinitrotoluene	U		0.000102	0.0104	1.04	04/12/2025 15:31	WG2484763
2,6-Dinitrotoluene	U		0.000260	0.0104	1.04	04/12/2025 15:31	WG2484763
Fluoranthene	U		0.000106	0.00104	1.04	04/12/2025 15:31	WG2484763
Fluorene	U		0.0000878	0.00104	1.04	04/12/2025 15:31	WG2484763
Hexachlorobenzene	U		0.0000785	0.00104	1.04	04/12/2025 15:31	WG2484763
Hexachloro-1,3-butadiene	U		0.000101	0.0104	1.04	04/12/2025 15:31	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000622	0.0104	1.04	04/12/2025 15:31	WG2484763
Hexachloroethane	U		0.000132	0.0104	1.04	04/12/2025 15:31	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000290	0.00104	1.04	04/12/2025 15:31	WG2484763
Isophorone	U		0.000149	0.0104	1.04	04/12/2025 15:31	WG2484763
1-Methylnaphthalene	U		0.0000822	0.00104	1.04	04/12/2025 15:31	WG2484763
2-Methylnaphthalene	U		0.000122	0.00104	1.04	04/12/2025 15:31	WG2484763
Naphthalene	U		0.000165	0.00104	1.04	04/12/2025 15:31	WG2484763
Nitrobenzene	U		0.000309	0.0104	1.04	04/12/2025 15:31	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00246	0.0104	1.04	04/12/2025 15:31	WG2484763
n-Nitrosodi-n-propylamine	U		0.000271	0.0104	1.04	04/12/2025 15:31	WG2484763
Phenanthrene	U		0.000116	0.00104	1.04	04/12/2025 15:31	WG2484763
Benzylbutyl phthalate	U		0.000796	0.00312	1.04	04/12/2025 15:31	WG2484763
Bis(2-ethylhexyl)phthalate	0.00963		0.000931	0.00312	1.04	04/12/2025 15:31	WG2484763
Bis(2-ethylhexyl)phthalate	U	Q	0.000895	0.00300	1	04/16/2025 16:06	WG2491138
Di-n-butyl phthalate	U		0.000471	0.00312	1.04	04/12/2025 15:31	WG2484763
Diethyl phthalate	U		0.000298	0.00312	1.04	04/12/2025 15:31	WG2484763
Dimethyl phthalate	U		0.000270	0.00312	1.04	04/12/2025 15:31	WG2484763
Di-n-octyl phthalate	U		0.000969	0.00312	1.04	04/12/2025 15:31	WG2484763
Pyrene	U		0.000111	0.00104	1.04	04/12/2025 15:31	WG2484763
1,2,4-Trichlorobenzene	U		0.0000726	0.0104	1.04	04/12/2025 15:31	WG2484763
4-Chloro-3-methylphenol	U		0.000136	0.0104	1.04	04/12/2025 15:31	WG2484763
2-Chlorophenol	U		0.000138	0.0104	1.04	04/12/2025 15:31	WG2484763
2,4-Dichlorophenol	U		0.000106	0.0104	1.04	04/12/2025 15:31	WG2484763
2,4-Dimethylphenol	U	J4	0.0000661	0.0104	1.04	04/12/2025 15:31	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00116	0.0104	1.04	04/12/2025 15:31	WG2484763
2,4-Dinitrophenol	U		0.00617	0.0104	1.04	04/12/2025 15:31	WG2484763
2-Nitrophenol	U		0.000122	0.0104	1.04	04/12/2025 15:31	WG2484763
2-Nitroaniline	U		0.000106	0.0104	1.04	04/12/2025 15:31	WG2484763
2-Methylphenol	U		0.0000966	0.0104	1.04	04/12/2025 15:31	WG2484763
3&4-Methyl Phenol	U		0.000175	0.0104	1.04	04/12/2025 15:31	WG2484763
3-Nitroaniline	U		0.0000904	0.0104	1.04	04/12/2025 15:31	WG2484763
4-Chloroaniline	U		0.000243	0.0104	1.04	04/12/2025 15:31	WG2484763
4-Nitroaniline	U	J3	0.0000946	0.0104	1.04	04/12/2025 15:31	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000149	0.0104	1.04	04/12/2025 15:31	WG2484763
Pentachlorophenol	U	J3 J4	0.000326	0.0104	1.04	04/12/2025 15:31	WG2484763
Phenol	U		0.00450	0.0104	1.04	04/12/2025 15:31	WG2484763
2,4,5-Trichlorophenol	U		0.000113	0.0104	1.04	04/12/2025 15:31	WG2484763
2,4,6-Trichlorophenol	U		0.000104	0.0104	1.04	04/12/2025 15:31	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*23.8*			*10.0-120*		*04/12/2025 15:31*	WG2484763
(S) 2-Fluorophenol	*24.9*			*10.0-120*		*04/16/2025 16:06*	WG2491138
(S) Phenol-d5	*16.3*			*10.0-120*		*04/12/2025 15:31*	WG2484763
(S) Phenol-d5	*15.7*			*10.0-120*		*04/16/2025 16:06*	WG2491138
(S) Nitrobenzene-d5	*67.5*			*10.0-127*		*04/12/2025 15:31*	WG2484763
(S) Nitrobenzene-d5	*47.6*			*10.0-127*		*04/16/2025 16:06*	WG2491138
(S) 2-Fluorobiphenyl	*46.3*			*10.0-130*		*04/12/2025 15:31*	WG2484763
(S) 2-Fluorobiphenyl	*52.9*			*10.0-130*		*04/16/2025 16:06*	WG2491138
(S) 2,4,6-Tribromophenol	*45.0*			*10.0-155*		*04/12/2025 15:31*	WG2484763
(S) 2,4,6-Tribromophenol	*49.2*			*10.0-155*		*04/16/2025 16:06*	WG2491138
(S) p-Terphenyl-d14	*58.2*			*10.0-128*		*04/12/2025 15:31*	WG2484763
(S) p-Terphenyl-d14	*42.0*			*10.0-128*		*04/16/2025 16:06*	WG2491138

Sample Narrative:

L1843532-14 WG2484763, WG2491138: Duplicate Analysis performed due to QC failure. Results don't confirm; both analyses reported.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	721		13.3	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	128		2.74	5.00	5	04/05/2025 09:07	WG2483312
Fluoride	0.746		0.0761	0.150	1	04/05/2025 04:24	WG2483312
Nitrate as (N)	8.37		0.0884	0.100	1	04/05/2025 04:24	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 04:24	WG2483312
Sulfate	79.8		0.637	5.00	1	04/05/2025 04:24	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 17:56	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.184	J	0.0232	0.200	1	04/09/2025 19:01	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:42	WG2484489
Arsenic,Dissolved	0.00419		0.000120	0.00200	1	04/10/2025 18:42	WG2484489
Barium,Dissolved	0.128		0.000500	0.00200	1	04/10/2025 18:42	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:42	WG2484489
Chromium,Dissolved	0.00149	J	0.000900	0.00200	1	04/10/2025 18:42	WG2484489
Copper,Dissolved	0.00403	J	0.000700	0.00500	1	04/10/2025 18:42	WG2484489
Cobalt,Dissolved	0.000166	J	0.000100	0.00200	1	04/10/2025 18:42	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 18:42	WG2484489
Lead,Dissolved	0.000777	J	0.000500	0.00200	1	04/10/2025 18:42	WG2484489
Manganese,Dissolved	0.000914	J	0.000700	0.00500	1	04/10/2025 18:42	WG2484489
Molybdenum,Dissolved	0.00483	J	0.000500	0.00500	1	04/10/2025 18:42	WG2484489
Nickel,Dissolved	0.00218		0.000500	0.00200	1	04/10/2025 18:42	WG2484489
Selenium,Dissolved	0.00241		0.000250	0.00200	1	04/10/2025 18:42	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:42	WG2484489
Uranium,Dissolved	0.00297		0.000130	0.00100	1	04/10/2025 21:14	WG2484489
Zinc,Dissolved	0.0628		0.00400	0.0250	1	04/10/2025 18:42	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 19:28	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 19:28	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 19:28	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 19:28	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 19:28	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 19:28	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 19:28	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 19:28	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 19:28	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 19:28	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 19:28	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 19:28	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 19:28	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 19:28	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 19:28	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 19:28	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 19:28	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 19:28	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 19:28	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 19:28	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 19:28	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 19:28	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 19:28	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 19:28	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 19:28	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 19:28	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 19:28	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 19:28	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 19:28	WG2483997
2-Butanone (MEK)	0.00631	J	0.00119	0.0100	1	04/06/2025 19:28	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 19:28	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 19:28	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 19:28	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 19:28	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 19:28	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 19:28	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 19:28	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 19:28	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 19:28	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 19:28	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 19:28	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 19:28	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 19:28	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 19:28	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 19:28	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 19:28	WG2483997
(S) Toluene-d8	*103*			*80.0-120*		*04/06/2025 19:28*	WG2483997
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*		*04/06/2025 19:28*	WG2483997
(S) 1,2-Dichloroethane-d4	*97.9*			*70.0-130*		*04/06/2025 19:28*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/12/2025 15:52	WG2484763
Acenaphthylene	U	C4 J4	0.0000921	0.00100	1	04/12/2025 15:52	WG2484763
Acetophenone	U		0.000208	0.0100	1	04/12/2025 15:52	WG2484763
Anthracene	U		0.0000804	0.00100	1	04/12/2025 15:52	WG2484763
Atrazine	U		0.000255	0.0100	1	04/12/2025 15:52	WG2484763
Benzo(a)anthracene	U		0.000199	0.00100	1	04/12/2025 15:52	WG2484763
Benzaldehyde	U	C7	0.00169	0.0100	1	04/12/2025 15:52	WG2484763
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/12/2025 15:52	WG2484763
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/12/2025 15:52	WG2484763
Benzo(g,h,i)perylene	U	J4	0.000121	0.00100	1	04/12/2025 15:52	WG2484763
Benzo(a)pyrene	U	J4	0.0000381	0.000200	1	04/12/2025 15:52	WG2484763
Biphenyl	U		0.000790	0.0100	1	04/12/2025 15:52	WG2484763

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/12/2025 15:52	WG2484763
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/12/2025 15:52	WG2484763
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/12/2025 15:52	WG2484763
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/12/2025 15:52	WG2484763
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/12/2025 15:52	WG2484763
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/12/2025 15:52	WG2484763
Caprolactam	U		0.000309	0.0100	1	04/12/2025 15:52	WG2484763
Carbazole	U		0.000111	0.0100	1	04/12/2025 15:52	WG2484763
Chrysene	U	J4	0.000130	0.00100	1	04/12/2025 15:52	WG2484763
Dibenz(a,h)anthracene	U	J4	0.0000644	0.000200	1	04/12/2025 15:52	WG2484763
Dibenzofuran	U		0.0000970	0.0100	1	04/12/2025 15:52	WG2484763
3,3-Dichlorobenzidine	U	J3 J4	0.000212	0.0100	1	04/12/2025 15:52	WG2484763
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/12/2025 15:52	WG2484763
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/12/2025 15:52	WG2484763
Fluoranthene	U		0.000102	0.00100	1	04/12/2025 15:52	WG2484763
Fluorene	U		0.0000844	0.00100	1	04/12/2025 15:52	WG2484763
Hexachlorobenzene	U		0.0000755	0.00100	1	04/12/2025 15:52	WG2484763
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/12/2025 15:52	WG2484763
Hexachlorocyclopentadiene	U	C3 J3 J4	0.0000598	0.0100	1	04/12/2025 15:52	WG2484763
Hexachloroethane	U		0.000127	0.0100	1	04/12/2025 15:52	WG2484763
Indeno(1,2,3-cd)pyrene	U	J4	0.000279	0.00100	1	04/12/2025 15:52	WG2484763
Isophorone	U		0.000143	0.0100	1	04/12/2025 15:52	WG2484763
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/12/2025 15:52	WG2484763
2-Methylnaphthalene	U		0.000117	0.00100	1	04/12/2025 15:52	WG2484763
Naphthalene	U		0.000159	0.00100	1	04/12/2025 15:52	WG2484763
Nitrobenzene	U		0.000297	0.0100	1	04/12/2025 15:52	WG2484763
n-Nitrosodiphenylamine	U	J4	0.00237	0.0100	1	04/12/2025 15:52	WG2484763
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/12/2025 15:52	WG2484763
Phenanthrene	U		0.000112	0.00100	1	04/12/2025 15:52	WG2484763
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/12/2025 15:52	WG2484763
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/12/2025 15:52	WG2484763
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/12/2025 15:52	WG2484763
Diethyl phthalate	U		0.000287	0.00300	1	04/12/2025 15:52	WG2484763
Dimethyl phthalate	U		0.000260	0.00300	1	04/12/2025 15:52	WG2484763
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/12/2025 15:52	WG2484763
Pyrene	U		0.000107	0.00100	1	04/12/2025 15:52	WG2484763
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/12/2025 15:52	WG2484763
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/12/2025 15:52	WG2484763
2-Chlorophenol	U		0.000133	0.0100	1	04/12/2025 15:52	WG2484763
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/12/2025 15:52	WG2484763
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/12/2025 15:52	WG2484763
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/12/2025 15:52	WG2484763
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/12/2025 15:52	WG2484763
2-Nitrophenol	U		0.000117	0.0100	1	04/12/2025 15:52	WG2484763
2-Nitroaniline	U		0.000102	0.0100	1	04/12/2025 15:52	WG2484763
2-Methylphenol	U		0.0000929	0.0100	1	04/12/2025 15:52	WG2484763
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/12/2025 15:52	WG2484763
3-Nitroaniline	U		0.0000869	0.0100	1	04/12/2025 15:52	WG2484763
4-Chloroaniline	U		0.000234	0.0100	1	04/12/2025 15:52	WG2484763
4-Nitroaniline	U	J3	0.0000910	0.0100	1	04/12/2025 15:52	WG2484763
4-Nitrophenol	U	C3 J3 J4	0.000143	0.0100	1	04/12/2025 15:52	WG2484763
Pentachlorophenol	U	J3 J4	0.000313	0.0100	1	04/12/2025 15:52	WG2484763
Phenol	U		0.00433	0.0100	1	04/12/2025 15:52	WG2484763
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/12/2025 15:52	WG2484763
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/12/2025 15:52	WG2484763
(S) 2-Fluorophenol	*15.5*			*10.0-120*		*04/12/2025 15:52*	WG2484763

MW-20R
Collected date/time: 04/03/25 10:20
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*12.5*			*10.0-120*		*04/12/2025 15:52*	WG2484763
(S) Nitrobenzene-d5	*54.7*			*10.0-127*		*04/12/2025 15:52*	WG2484763
(S) 2-Fluorobiphenyl	*40.2*			*10.0-130*		*04/12/2025 15:52*	WG2484763
(S) 2,4,6-Tribromophenol	*30.0*			*10.0-155*		*04/12/2025 15:52*	WG2484763
(S) p-Terphenyl-d14	*53.2*			*10.0-128*		*04/12/2025 15:52*	WG2484763

Sample Narrative:

L1843532-15 WG2484763: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	820		13.3	1	04/05/2025 08:22	WG2483468

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	168		2.74	5.00	5	04/05/2025 09:21	WG2483312
Fluoride	1.16		0.0761	0.150	1	04/05/2025 04:37	WG2483312
Nitrate as (N)	3.73		0.0884	0.100	1	04/05/2025 04:37	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 04:37	WG2483312
Sulfate	97.9		0.637	5.00	1	04/05/2025 04:37	WG2483312

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	477		10.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	71.2		0.547	1.00	1	04/05/2025 04:51	WG2483312
Fluoride	2.25		0.0761	0.150	1	04/05/2025 04:51	WG2483312
Nitrate as (N)	2.75		0.0884	0.100	1	04/05/2025 04:51	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 04:51	WG2483312
Sulfate	83.2		0.637	5.00	1	04/05/2025 04:51	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 17:59	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.131	J	0.0232	0.200	1	04/09/2025 19:03	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:45	WG2484489
Arsenic,Dissolved	0.00542		0.000120	0.00200	1	04/10/2025 18:45	WG2484489
Barium,Dissolved	0.0860		0.000500	0.00200	1	04/10/2025 18:45	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:45	WG2484489
Chromium,Dissolved	0.00272		0.000900	0.00200	1	04/10/2025 18:45	WG2484489
Copper,Dissolved	0.00405	J	0.000700	0.00500	1	04/10/2025 18:45	WG2484489
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 18:45	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 18:45	WG2484489
Lead,Dissolved	0.00181	J	0.000500	0.00200	1	04/10/2025 18:45	WG2484489
Manganese,Dissolved	U		0.000700	0.00500	1	04/10/2025 18:45	WG2484489
Molybdenum,Dissolved	0.00226	J	0.000500	0.00500	1	04/10/2025 18:45	WG2484489
Nickel,Dissolved	0.00115	J	0.000500	0.00200	1	04/10/2025 18:45	WG2484489
Selenium,Dissolved	0.00284		0.000250	0.00200	1	04/10/2025 18:45	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:45	WG2484489
Uranium,Dissolved	0.00205		0.000130	0.00100	1	04/10/2025 21:17	WG2484489
Zinc,Dissolved	0.0294		0.00400	0.0250	1	04/10/2025 18:45	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 16:40	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 16:40	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 16:40	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 16:40	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 16:40	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 16:40	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 16:40	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 16:40	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 16:40	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 16:40	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 16:40	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 16:40	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 16:40	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 16:40	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 16:40	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 16:40	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 16:40	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 16:40	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 16:40	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 16:40	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 16:40	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 16:40	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 16:40	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 16:40	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 16:40	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 16:40	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 16:40	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 16:40	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 16:40	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 16:40	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 16:40	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 16:40	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 16:40	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 16:40	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 16:40	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 16:40	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 16:40	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 16:40	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 16:40	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 16:40	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 16:40	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 16:40	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 16:40	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 16:40	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 16:40	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 16:40	WG2483997
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2025 16:40*	WG2483997
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*04/06/2025 16:40*	WG2483997
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*04/06/2025 16:40*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 01:47	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 01:47	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 01:47	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 01:47	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 01:47	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 01:47	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 01:47	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 01:47	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 01:47	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 01:47	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 01:47	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 01:47	WG2484767

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 01:47	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 01:47	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 01:47	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 01:47	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 01:47	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 01:47	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 01:47	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 01:47	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 01:47	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 01:47	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 01:47	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 01:47	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 01:47	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 01:47	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 01:47	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 01:47	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 01:47	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 01:47	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 01:47	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 01:47	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 01:47	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 01:47	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 01:47	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 01:47	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 01:47	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 01:47	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 01:47	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 01:47	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 01:47	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 01:47	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 01:47	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 01:47	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 01:47	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 01:47	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 01:47	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 01:47	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 01:47	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 01:47	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 01:47	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 01:47	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 01:47	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 01:47	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 01:47	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 01:47	WG2484767
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 01:47	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 01:47	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 01:47	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 01:47	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 01:47	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 01:47	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 01:47	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 01:47	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 01:47	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 01:47	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 01:47	WG2484767
(S) 2-Fluorophenol	*24.0*			*10.0-120*		*04/11/2025 01:47*	WG2484767

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-24R
Collected date/time: 04/03/25 11:45
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Phenol-d5	*15.4*			*10.0-120*		*04/11/2025 01:47*	WG2484767
(S) Nitrobenzene-d5	*47.0*			*10.0-127*		*04/11/2025 01:47*	WG2484767
(S) 2-Fluorobiphenyl	*51.9*			*10.0-130*		*04/11/2025 01:47*	WG2484767
(S) 2,4,6-Tribromophenol	*45.9*			*10.0-155*		*04/11/2025 01:47*	WG2484767
(S) p-Terphenyl-d14	*59.8*			*10.0-128*		*04/11/2025 01:47*	WG2484767

MW-20R
Collected date/time: 04/03/25 09:10
L1843532

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	250		2.74	5.00	5	04/05/2025 09:48	WG2483312
Fluoride	0.452		0.0761	0.150	1	04/05/2025 05:04	WG2483312
Nitrate as (N)	4.22		0.0884	0.100	1	04/05/2025 05:04	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 05:04	WG2483312
Sulfate	104		3.18	25.0	5	04/05/2025 09:48	WG2483312

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	477		10.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	90.5		0.547	1.00	1	04/05/2025 05:18	WG2483312
Fluoride	1.34		0.0761	0.150	1	04/05/2025 05:18	WG2483312
Nitrate as (N)	0.0925	J	0.0884	0.100	1	04/05/2025 05:18	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 05:18	WG2483312
Sulfate	106		3.18	25.0	5	04/05/2025 10:01	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:01	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.189	J	0.0232	0.200	1	04/09/2025 19:06	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	0.0684	J	0.0160	0.100	1	04/10/2025 18:48	WG2484489
Arsenic,Dissolved	0.00366		0.000120	0.00200	1	04/10/2025 18:48	WG2484489
Barium,Dissolved	0.0479		0.000500	0.00200	1	04/10/2025 18:48	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:48	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 18:48	WG2484489
Copper,Dissolved	0.00145	J	0.000700	0.00500	1	04/10/2025 18:48	WG2484489
Cobalt,Dissolved	0.000118	J	0.000100	0.00200	1	04/10/2025 18:48	WG2484489
Iron,Dissolved	0.0467	J	0.0226	0.100	1	04/10/2025 18:48	WG2484489
Lead,Dissolved	0.00195	J	0.000500	0.00200	1	04/10/2025 18:48	WG2484489
Manganese,Dissolved	0.00505		0.000700	0.00500	1	04/10/2025 18:48	WG2484489
Molybdenum,Dissolved	0.0434		0.000500	0.00500	1	04/10/2025 18:48	WG2484489
Nickel,Dissolved	0.000680	J	0.000500	0.00200	1	04/10/2025 18:48	WG2484489
Selenium,Dissolved	0.00240		0.000250	0.00200	1	04/10/2025 18:48	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:48	WG2484489
Uranium,Dissolved	0.000199	J	0.000130	0.00100	1	04/10/2025 18:48	WG2484489
Zinc,Dissolved	0.00478	J	0.00400	0.0250	1	04/10/2025 18:48	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 17:01	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 17:01	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 17:01	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 17:01	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 17:01	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 17:01	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 17:01	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 17:01	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 17:01	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 17:01	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 17:01	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 17:01	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 17:01	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 17:01	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 17:01	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 17:01	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 17:01	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 17:01	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 17:01	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 17:01	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 17:01	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 17:01	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 17:01	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 17:01	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 17:01	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 17:01	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 17:01	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 17:01	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 17:01	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 17:01	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 17:01	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 17:01	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 17:01	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 17:01	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 17:01	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 17:01	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 17:01	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 17:01	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 17:01	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 17:01	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 17:01	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 17:01	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 17:01	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 17:01	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 17:01	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 17:01	WG2483997
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2025 17:01*	WG2483997
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*04/06/2025 17:01*	WG2483997
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*04/06/2025 17:01*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 02:08	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 02:08	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 02:08	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 02:08	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 02:08	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 02:08	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 02:08	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 02:08	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 02:08	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 02:08	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 02:08	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 02:08	WG2484767

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 02:08	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 02:08	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 02:08	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 02:08	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 02:08	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 02:08	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 02:08	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 02:08	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 02:08	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 02:08	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 02:08	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 02:08	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 02:08	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 02:08	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 02:08	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 02:08	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 02:08	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 02:08	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 02:08	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 02:08	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 02:08	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 02:08	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 02:08	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 02:08	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 02:08	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 02:08	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 02:08	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 02:08	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 02:08	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 02:08	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 02:08	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 02:08	WG2484767
Diethyl phthalate	0.000326	J	0.000287	0.00300	1	04/11/2025 02:08	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 02:08	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 02:08	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 02:08	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 02:08	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 02:08	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 02:08	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 02:08	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 02:08	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 02:08	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 02:08	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 02:08	WG2484767
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 02:08	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 02:08	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 02:08	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 02:08	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 02:08	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 02:08	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 02:08	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 02:08	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 02:08	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 02:08	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 02:08	WG2484767
(S) 2-Fluorophenol	*35.1*			*10.0-120*		*04/11/2025 02:08*	WG2484767

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*27.6*			*10.0-120*		*04/11/2025 02:08*	WG2484767
(S) Nitrobenzene-d5	*62.4*			*10.0-127*		*04/11/2025 02:08*	WG2484767
(S) 2-Fluorobiphenyl	*68.8*			*10.0-130*		*04/11/2025 02:08*	WG2484767
(S) 2,4,6-Tribromophenol	*70.7*			*10.0-155*		*04/11/2025 02:08*	WG2484767
(S) p-Terphenyl-d14	*67.0*			*10.0-128*		*04/11/2025 02:08*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	725		13.3	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	148		2.74	5.00	5	04/05/2025 10:15	WG2483312
Fluoride	0.730		0.0761	0.150	1	04/05/2025 05:31	WG2483312
Nitrate as (N)	2.33		0.0884	0.100	1	04/05/2025 05:31	WG2483312
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 05:31	WG2483312
Sulfate	87.0		0.637	5.00	1	04/05/2025 05:31	WG2483312

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:04	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.173	J	0.0232	0.200	1	04/09/2025 19:09	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:52	WG2484489
Arsenic,Dissolved	0.00189	J	0.000120	0.00200	1	04/10/2025 18:52	WG2484489
Barium,Dissolved	0.0969		0.000500	0.00200	1	04/10/2025 18:52	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:52	WG2484489
Chromium,Dissolved	0.00634		0.000900	0.00200	1	04/10/2025 18:52	WG2484489
Copper,Dissolved	0.00278	J	0.000700	0.00500	1	04/10/2025 18:52	WG2484489
Cobalt,Dissolved	0.000327	J	0.000100	0.00200	1	04/10/2025 18:52	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 18:52	WG2484489
Lead,Dissolved	0.00190	J	0.000500	0.00200	1	04/10/2025 18:52	WG2484489
Manganese,Dissolved	0.0782		0.000700	0.00500	1	04/10/2025 18:52	WG2484489
Molybdenum,Dissolved	0.00710		0.000500	0.00500	1	04/10/2025 18:52	WG2484489
Nickel,Dissolved	0.00149	J	0.000500	0.00200	1	04/10/2025 18:52	WG2484489
Selenium,Dissolved	0.00242		0.000250	0.00200	1	04/10/2025 18:52	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:52	WG2484489
Uranium,Dissolved	0.00218		0.000130	0.00100	1	04/10/2025 21:20	WG2484489
Zinc,Dissolved	0.00511	J	0.00400	0.0250	1	04/10/2025 18:52	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 17:22	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 17:22	WG2483997
Bromodichloromethane	0.00488		0.000136	0.00100	1	04/06/2025 17:22	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 17:22	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 17:22	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 17:22	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 17:22	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 17:22	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 17:22	WG2483997

MW-23R
Collected date/time: 04/03/25 10:50
L1843532

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	0.000591	C3 J	0.000128	0.00100	1	04/06/2025 17:22	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 17:22	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 17:22	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 17:22	WG2483997
Chloroform	0.0204		0.000111	0.00500	1	04/06/2025 17:22	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 17:22	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 17:22	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 17:22	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 17:22	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 17:22	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 17:22	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 17:22	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 17:22	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 17:22	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 17:22	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 17:22	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 17:22	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 17:22	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 17:22	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 17:22	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 17:22	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 17:22	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 17:22	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 17:22	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 17:22	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 17:22	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 17:22	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 17:22	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 17:22	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 17:22	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 17:22	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 17:22	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 17:22	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 17:22	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 17:22	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 17:22	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 17:22	WG2483997
(S) Toluene-d8	*99.1*			*80.0-120*		*04/06/2025 17:22*	WG2483997
(S) 4-Bromofluorobenzene	*94.1*			*77.0-126*		*04/06/2025 17:22*	WG2483997
(S) 1,2-Dichloroethane-d4	*98.0*			*70.0-130*		*04/06/2025 17:22*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000921	0.00104	1.04	04/11/2025 07:06	WG2484767
Acenaphthylene	U		0.0000958	0.00104	1.04	04/11/2025 07:06	WG2484767
Acetophenone	U		0.000216	0.0104	1.04	04/11/2025 07:06	WG2484767
Anthracene	U		0.0000836	0.00104	1.04	04/11/2025 07:06	WG2484767
Atrazine	U		0.000265	0.0104	1.04	04/11/2025 07:06	WG2484767
Benzo(a)anthracene	U		0.000207	0.00104	1.04	04/11/2025 07:06	WG2484767
Benzaldehyde	U		0.00176	0.0104	1.04	04/11/2025 07:06	WG2484767
Benzo(b)fluoranthene	U		0.000135	0.00104	1.04	04/11/2025 07:06	WG2484767
Benzo(k)fluoranthene	U		0.000125	0.00104	1.04	04/11/2025 07:06	WG2484767
Benzo(g,h,i)perylene	U		0.000126	0.00104	1.04	04/11/2025 07:06	WG2484767
Benzo(a)pyrene	U		0.0000396	0.000208	1.04	04/11/2025 07:06	WG2484767
Biphenyl	U		0.000822	0.0104	1.04	04/11/2025 07:06	WG2484767

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000121	0.0104	1.04	04/11/2025 07:06	WG2484767
Bis(2-chloroethyl)ether	U		0.000142	0.0104	1.04	04/11/2025 07:06	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000218	0.0104	1.04	04/11/2025 07:06	WG2484767
4-Bromophenyl-phenylether	U		0.0000912	0.0104	1.04	04/11/2025 07:06	WG2484767
2-Chloronaphthalene	U		0.0000674	0.00104	1.04	04/11/2025 07:06	WG2484767
4-Chlorophenyl-phenylether	U		0.0000963	0.0104	1.04	04/11/2025 07:06	WG2484767
Caprolactam	0.000761	J	0.000321	0.0104	1.04	04/11/2025 07:06	WG2484767
Carbazole	U		0.000115	0.0104	1.04	04/11/2025 07:06	WG2484767
Chrysene	U		0.000135	0.00104	1.04	04/11/2025 07:06	WG2484767
Dibenz(a,h)anthracene	U		0.0000670	0.000208	1.04	04/11/2025 07:06	WG2484767
Dibenzofuran	U		0.000101	0.0104	1.04	04/11/2025 07:06	WG2484767
3,3-Dichlorobenzidine	U		0.000220	0.0104	1.04	04/11/2025 07:06	WG2484767
2,4-Dinitrotoluene	U		0.000102	0.0104	1.04	04/11/2025 07:06	WG2484767
2,6-Dinitrotoluene	U		0.000260	0.0104	1.04	04/11/2025 07:06	WG2484767
Fluoranthene	U		0.000106	0.00104	1.04	04/11/2025 07:06	WG2484767
Fluorene	U		0.0000878	0.00104	1.04	04/11/2025 07:06	WG2484767
Hexachlorobenzene	U		0.0000785	0.00104	1.04	04/11/2025 07:06	WG2484767
Hexachloro-1,3-butadiene	U		0.000101	0.0104	1.04	04/11/2025 07:06	WG2484767
Hexachlorocyclopentadiene	U		0.0000622	0.0104	1.04	04/11/2025 07:06	WG2484767
Hexachloroethane	U		0.000132	0.0104	1.04	04/11/2025 07:06	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000290	0.00104	1.04	04/11/2025 07:06	WG2484767
Isophorone	U		0.000149	0.0104	1.04	04/11/2025 07:06	WG2484767
1-Methylnaphthalene	U		0.0000822	0.00104	1.04	04/11/2025 07:06	WG2484767
2-Methylnaphthalene	U		0.000122	0.00104	1.04	04/11/2025 07:06	WG2484767
Naphthalene	U		0.000165	0.00104	1.04	04/11/2025 07:06	WG2484767
Nitrobenzene	U		0.000309	0.0104	1.04	04/11/2025 07:06	WG2484767
n-Nitrosodiphenylamine	U		0.00246	0.0104	1.04	04/11/2025 07:06	WG2484767
n-Nitrosodi-n-propylamine	U		0.000271	0.0104	1.04	04/11/2025 07:06	WG2484767
Phenanthrene	U		0.000116	0.00104	1.04	04/11/2025 07:06	WG2484767
Benzylbutyl phthalate	U		0.000796	0.00312	1.04	04/11/2025 07:06	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000931	0.00312	1.04	04/11/2025 07:06	WG2484767
Di-n-butyl phthalate	U		0.000471	0.00312	1.04	04/11/2025 07:06	WG2484767
Diethyl phthalate	U		0.000298	0.00312	1.04	04/11/2025 07:06	WG2484767
Dimethyl phthalate	U		0.000270	0.00312	1.04	04/11/2025 07:06	WG2484767
Di-n-octyl phthalate	U		0.000969	0.00312	1.04	04/11/2025 07:06	WG2484767
Pyrene	U	C4	0.000111	0.00104	1.04	04/11/2025 07:06	WG2484767
1,2,4-Trichlorobenzene	U		0.0000726	0.0104	1.04	04/11/2025 07:06	WG2484767
4-Chloro-3-methylphenol	U		0.000136	0.0104	1.04	04/11/2025 07:06	WG2484767
2-Chlorophenol	U		0.000138	0.0104	1.04	04/11/2025 07:06	WG2484767
2,4-Dichlorophenol	U		0.000106	0.0104	1.04	04/11/2025 07:06	WG2484767
2,4-Dimethylphenol	U	J4	0.0000661	0.0104	1.04	04/11/2025 07:06	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00116	0.0104	1.04	04/11/2025 07:06	WG2484767
2,4-Dinitrophenol	U		0.00617	0.0104	1.04	04/11/2025 07:06	WG2484767
2-Nitrophenol	U		0.000122	0.0104	1.04	04/11/2025 07:06	WG2484767
2-Nitroaniline	U		0.000106	0.0104	1.04	04/11/2025 07:06	WG2484767
2-Methylphenol	U		0.0000966	0.0104	1.04	04/11/2025 07:06	WG2484767
3&4-Methyl Phenol	U		0.000175	0.0104	1.04	04/11/2025 07:06	WG2484767
3-Nitroaniline	U		0.0000904	0.0104	1.04	04/11/2025 07:06	WG2484767
4-Chloroaniline	U	J4	0.000243	0.0104	1.04	04/11/2025 07:06	WG2484767
4-Nitroaniline	U		0.0000946	0.0104	1.04	04/11/2025 07:06	WG2484767
4-Nitrophenol	U		0.000149	0.0104	1.04	04/11/2025 07:06	WG2484767
Pentachlorophenol	U		0.000326	0.0104	1.04	04/11/2025 07:06	WG2484767
Phenol	U		0.00450	0.0104	1.04	04/11/2025 07:06	WG2484767
2,4,5-Trichlorophenol	U		0.000113	0.0104	1.04	04/11/2025 07:06	WG2484767
2,4,6-Trichlorophenol	U		0.000104	0.0104	1.04	04/11/2025 07:06	WG2484767
(S) 2-Fluorophenol	*27.9*			*10.0-120*		*04/11/2025 07:06*	WG2484767

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-23R
Collected date/time: 04/03/25 10:50
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*18.9*			*10.0-120*		*04/11/2025 07:06*	WG2484767
(S) Nitrobenzene-d5	*50.6*			*10.0-127*		*04/11/2025 07:06*	WG2484767
(S) 2-Fluorobiphenyl	*51.2*			*10.0-130*		*04/11/2025 07:06*	WG2484767
(S) 2,4,6-Tribromophenol	*47.9*			*10.0-155*		*04/11/2025 07:06*	WG2484767
(S) p-Terphenyl-d14	*53.2*			*10.0-128*		*04/11/2025 07:06*	WG2484767

MW-3
Collected date/time: 04/03/25 09:55
L1843532

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	43.9		0.547	1.00	1	04/05/2025 05:41	WG2483313
Fluoride	0.321		0.0761	0.150	1	04/05/2025 05:41	WG2483313
Nitrate as (N)	2.32		0.0884	0.100	1	04/05/2025 05:41	WG2483313
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 05:41	WG2483313
Sulfate	80.0		0.637	5.00	1	04/05/2025 05:41	WG2483313

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	652		10.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	25.6		0.547	1.00	1	04/08/2025 22:42	WG2484154
Fluoride	0.405		0.0761	0.150	1	04/05/2025 06:14	WG2483313
Nitrate as (N)	U		0.0884	0.100	1	04/05/2025 06:14	WG2483313
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 06:14	WG2483313
Sulfate	12.3		0.637	5.00	1	04/05/2025 06:14	WG2483313

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:07	WG2484039

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.340		0.0232	0.200	1	04/09/2025 19:12	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:16	WG2484489
Arsenic,Dissolved	0.00326		0.000120	0.00200	1	04/10/2025 19:16	WG2484489
Barium,Dissolved	0.0945		0.000500	0.00200	1	04/10/2025 19:16	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:16	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 19:16	WG2484489
Copper,Dissolved	0.00359	J	0.000700	0.00500	1	04/10/2025 19:16	WG2484489
Cobalt,Dissolved	0.000198	J	0.000100	0.00200	1	04/10/2025 19:16	WG2484489
Iron,Dissolved	0.0252	J	0.0226	0.100	1	04/10/2025 19:16	WG2484489
Lead,Dissolved	0.00155	J	0.000500	0.00200	1	04/10/2025 19:16	WG2484489
Manganese,Dissolved	0.000870	J	0.000700	0.00500	1	04/10/2025 19:16	WG2484489
Molybdenum,Dissolved	0.00145	J	0.000500	0.00500	1	04/10/2025 19:16	WG2484489
Nickel,Dissolved	0.00216		0.000500	0.00200	1	04/10/2025 19:16	WG2484489
Selenium,Dissolved	0.00304		0.000250	0.00200	1	04/10/2025 19:16	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:16	WG2484489
Uranium,Dissolved	0.00542		0.000130	0.00100	1	04/10/2025 21:23	WG2484489
Zinc,Dissolved	0.0131	J	0.00400	0.0250	1	04/10/2025 19:16	WG2484489

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 17:43	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 17:43	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 17:43	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 17:43	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 17:43	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 17:43	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 17:43	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 17:43	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 17:43	WG2483997

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 17:43	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 17:43	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 17:43	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 17:43	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 17:43	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 17:43	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 17:43	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 17:43	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 17:43	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 17:43	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 17:43	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 17:43	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 17:43	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 17:43	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 17:43	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 17:43	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 17:43	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 17:43	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 17:43	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 17:43	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 17:43	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 17:43	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 17:43	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 17:43	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 17:43	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 17:43	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 17:43	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 17:43	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 17:43	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 17:43	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 17:43	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 17:43	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 17:43	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 17:43	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 17:43	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 17:43	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 17:43	WG2483997
(S) Toluene-d8	*102*			*80.0-120*		*04/06/2025 17:43*	WG2483997
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*04/06/2025 17:43*	WG2483997
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*		*04/06/2025 17:43*	WG2483997

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 02:29	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 02:29	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 02:29	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 02:29	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 02:29	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 02:29	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 02:29	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 02:29	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 02:29	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 02:29	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 02:29	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 02:29	WG2484767

MW-12R2
Collected date/time: 04/03/25 10:55
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 02:29	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 02:29	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 02:29	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 02:29	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 02:29	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 02:29	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 02:29	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 02:29	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 02:29	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 02:29	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 02:29	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 02:29	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 02:29	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 02:29	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 02:29	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 02:29	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 02:29	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 02:29	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 02:29	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 02:29	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 02:29	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 02:29	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 02:29	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 02:29	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 02:29	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 02:29	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 02:29	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 02:29	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 02:29	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 02:29	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 02:29	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 02:29	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 02:29	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 02:29	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 02:29	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 02:29	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 02:29	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 02:29	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 02:29	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 02:29	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 02:29	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 02:29	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 02:29	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 02:29	WG2484767
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 02:29	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 02:29	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 02:29	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 02:29	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 02:29	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 02:29	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 02:29	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 02:29	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 02:29	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 02:29	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 02:29	WG2484767
(S) 2-Fluorophenol	*34.3*			*10.0-120*		*04/11/2025 02:29*	WG2484767

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-12R2
Collected date/time: 04/03/25 10:55
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*23.4*			*10.0-120*		*04/11/2025 02:29*	WG2484767
(S) Nitrobenzene-d5	*49.8*			*10.0-127*		*04/11/2025 02:29*	WG2484767
(S) 2-Fluorobiphenyl	*51.8*			*10.0-130*		*04/11/2025 02:29*	WG2484767
(S) 2,4,6-Tribromophenol	*50.7*			*10.0-155*		*04/11/2025 02:29*	WG2484767
(S) p-Terphenyl-d14	*58.0*			*10.0-128*		*04/11/2025 02:29*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	321		10.0	1	04/05/2025 11:00	WG2483446

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	28.3		2.74	5.00	5	04/08/2025 23:48	WG2484154
Fluoride	0.610		0.0761	0.150	1	04/05/2025 07:19	WG2483313
Nitrate as (N)	11.7		0.442	0.500	5	04/05/2025 06:30	WG2483313
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 07:19	WG2483313
Sulfate	107		3.18	25.0	5	04/05/2025 06:30	WG2483313

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:30	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.0301	J	0.0232	0.200	1	04/09/2025 19:14	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:19	WG2484489
Arsenic,Dissolved	0.00680		0.000120	0.00200	1	04/10/2025 19:19	WG2484489
Barium,Dissolved	0.426		0.000500	0.00200	1	04/10/2025 19:19	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:19	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 19:19	WG2484489
Copper,Dissolved	U		0.000700	0.00500	1	04/10/2025 19:19	WG2484489
Cobalt,Dissolved	0.00130	J	0.000100	0.00200	1	04/10/2025 19:19	WG2484489
Iron,Dissolved	0.512		0.0226	0.100	1	04/10/2025 19:19	WG2484489
Lead,Dissolved	0.00156	J	0.000500	0.00200	1	04/10/2025 19:19	WG2484489
Manganese,Dissolved	0.261		0.000700	0.00500	1	04/10/2025 19:19	WG2484489
Molybdenum,Dissolved	0.00148	J	0.000500	0.00500	1	04/10/2025 19:19	WG2484489
Nickel,Dissolved	0.00194	J	0.000500	0.00200	1	04/10/2025 19:19	WG2484489
Selenium,Dissolved	U		0.000250	0.00200	1	04/10/2025 19:19	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:19	WG2484489
Uranium,Dissolved	0.000142	J	0.000130	0.00100	1	04/10/2025 19:19	WG2484489
Zinc,Dissolved	U		0.00400	0.0250	1	04/10/2025 19:19	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 00:17	WG2489699
(S) a,a,a-Trifluorotoluene(FID)	*88.3*			*78.0-120*		*04/14/2025 00:17*	WG2489699

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/06/2025 18:04	WG2483997
Benzene	U		0.0000941	0.00100	1	04/06/2025 18:04	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 18:04	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 18:04	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 18:04	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 18:04	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 18:04	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 18:04	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 18:04	WG2483997
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 18:04	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 18:04	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 18:04	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 18:04	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 18:04	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 18:04	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 18:04	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 18:04	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 18:04	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 18:04	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 18:04	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 18:04	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 18:04	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 18:04	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 18:04	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 18:04	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 18:04	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 18:04	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 18:04	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 18:04	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 18:04	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 18:04	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 18:04	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 18:04	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 18:04	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 18:04	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 18:04	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 18:04	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 18:04	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 18:04	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 18:04	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 18:04	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 18:04	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 18:04	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 18:04	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 18:04	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 18:04	WG2483997
(S) Toluene-d8	*100*			*80.0-120*		*04/06/2025 18:04*	WG2483997
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*04/06/2025 18:04*	WG2483997
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*04/06/2025 18:04*	WG2483997

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.223		0.0605	0.100	1	04/10/2025 02:51	WG2485492
(S) o-Terphenyl	*69.5*			*52.0-156*		*04/10/2025 02:51*	WG2485492

MW-32
Collected date/time: 04/03/25 10:25
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	04/16/2025 17:59	WG2484767
Acenaphthylene	U	C4	0.0000921	0.00100	1	04/16/2025 17:59	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/16/2025 17:59	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/16/2025 17:59	WG2484767
Atrazine	U		0.000255	0.0100	1	04/16/2025 17:59	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/16/2025 17:59	WG2484767
Benzaldehyde	U	C7	0.00169	0.0100	1	04/16/2025 17:59	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/16/2025 17:59	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/16/2025 17:59	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/16/2025 17:59	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/16/2025 17:59	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/16/2025 17:59	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/16/2025 17:59	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/16/2025 17:59	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/16/2025 17:59	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/16/2025 17:59	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/16/2025 17:59	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/16/2025 17:59	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/16/2025 17:59	WG2484767
Carbazole	U		0.000111	0.0100	1	04/16/2025 17:59	WG2484767
Chrysene	U		0.000130	0.00100	1	04/16/2025 17:59	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/16/2025 17:59	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/16/2025 17:59	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/16/2025 17:59	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/16/2025 17:59	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/16/2025 17:59	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/16/2025 17:59	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/16/2025 17:59	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/16/2025 17:59	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/16/2025 17:59	WG2484767
Hexachlorocyclopentadiene	U	C3	0.0000598	0.0100	1	04/16/2025 17:59	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/16/2025 17:59	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/16/2025 17:59	WG2484767
Isophorone	U		0.000143	0.0100	1	04/16/2025 17:59	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/16/2025 17:59	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/16/2025 17:59	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/16/2025 17:59	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/16/2025 17:59	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/16/2025 17:59	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/16/2025 17:59	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/16/2025 17:59	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/16/2025 17:59	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/16/2025 17:59	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/16/2025 17:59	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/16/2025 17:59	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/16/2025 17:59	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/16/2025 17:59	WG2484767
Pyrene	U		0.000107	0.00100	1	04/16/2025 17:59	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/16/2025 17:59	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/16/2025 17:59	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/16/2025 17:59	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/16/2025 17:59	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/16/2025 17:59	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/16/2025 17:59	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/16/2025 17:59	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/16/2025 17:59	WG2484767

MW-32
Collected date/time: 04/03/25 10:25
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.000102	0.0100	1	04/16/2025 17:59	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/16/2025 17:59	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/16/2025 17:59	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/16/2025 17:59	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/16/2025 17:59	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/16/2025 17:59	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/16/2025 17:59	WG2484767
Pentachlorophenol	U	C3	0.000313	0.0100	1	04/16/2025 17:59	WG2484767
Phenol	U		0.00433	0.0100	1	04/16/2025 17:59	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/16/2025 17:59	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/16/2025 17:59	WG2484767
(S) 2-Fluorophenol	*20.3*			*10.0-120*		*04/16/2025 17:59*	WG2484767
(S) Phenol-d5	*16.0*			*10.0-120*		*04/16/2025 17:59*	WG2484767
(S) Nitrobenzene-d5	*56.0*			*10.0-127*		*04/16/2025 17:59*	WG2484767
(S) 2-Fluorobiphenyl	*42.1*			*10.0-130*		*04/16/2025 17:59*	WG2484767
(S) 2,4,6-Tribromophenol	*51.4*			*10.0-155*		*04/16/2025 17:59*	WG2484767
(S) p-Terphenyl-d14	*44.9*			*10.0-128*		*04/16/2025 17:59*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1200		20.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	78.9	J6	0.547	1.00	1	04/05/2025 07:35	WG2483313
Fluoride	0.562		0.0761	0.150	1	04/05/2025 07:35	WG2483313
Nitrate as (N)	U		0.0884	0.100	1	04/05/2025 07:35	WG2483313
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 07:35	WG2483313
Sulfate	1.45	J	0.637	5.00	1	04/05/2025 07:35	WG2483313

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U	J6 O1	0.0000700	0.000200	1	04/11/2025 18:15	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.171	J	0.0232	0.200	1	04/09/2025 18:33	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 18:05	WG2484489
Arsenic,Dissolved	0.00365		0.000120	0.00200	1	04/10/2025 18:05	WG2484489
Barium,Dissolved	0.675	V	0.000500	0.00200	1	04/10/2025 18:05	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 18:05	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 18:05	WG2484489
Copper,Dissolved	0.00690		0.000700	0.00500	1	04/10/2025 18:05	WG2484489
Cobalt,Dissolved	0.000110	J	0.000100	0.00200	1	04/10/2025 18:05	WG2484489
Iron,Dissolved	1.17		0.0226	0.100	1	04/10/2025 18:05	WG2484489
Lead,Dissolved	0.000873	J	0.000500	0.00200	1	04/10/2025 18:05	WG2484489
Manganese,Dissolved	0.691		0.00350	0.0250	5	04/10/2025 16:42	WG2484489
Molybdenum,Dissolved	0.00237	J	0.000500	0.00500	1	04/10/2025 18:05	WG2484489
Nickel,Dissolved	0.00164	J	0.000500	0.00200	1	04/10/2025 18:05	WG2484489
Selenium,Dissolved	U		0.000250	0.00200	1	04/10/2025 18:05	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 18:05	WG2484489
Uranium,Dissolved	0.0651		0.000130	0.00100	1	04/10/2025 20:39	WG2484489
Zinc,Dissolved	U		0.00400	0.0250	1	04/10/2025 18:05	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U	J3	0.0314	0.100	1	04/14/2025 00:40	WG2489699
(S) a,a,a-Trifluorotoluene(FID)	*87.5*			*78.0-120*		*04/14/2025 00:40*	WG2489699

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J6	0.0113	0.0500	1	04/06/2025 18:25	WG2483997
Benzene	0.000144	J	0.0000941	0.00100	1	04/06/2025 18:25	WG2483997
Bromodichloromethane	U		0.000136	0.00100	1	04/06/2025 18:25	WG2483997
Bromoform	U	C3	0.000129	0.00100	1	04/06/2025 18:25	WG2483997
Bromomethane	U	C3	0.000605	0.00500	1	04/06/2025 18:25	WG2483997
n-Butylbenzene	U		0.000157	0.00100	1	04/06/2025 18:25	WG2483997
sec-Butylbenzene	U		0.000125	0.00100	1	04/06/2025 18:25	WG2483997
tert-Butylbenzene	U	C3	0.000127	0.00100	1	04/06/2025 18:25	WG2483997
Carbon disulfide	U	J4	0.0000962	0.00100	1	04/06/2025 18:25	WG2483997
Carbon tetrachloride	U	C3	0.000128	0.00100	1	04/06/2025 18:25	WG2483997
Chlorobenzene	U		0.000116	0.00100	1	04/06/2025 18:25	WG2483997
Chlorodibromomethane	U		0.000140	0.00100	1	04/06/2025 18:25	WG2483997
Chloroethane	U		0.000192	0.00500	1	04/06/2025 18:25	WG2483997
Chloroform	U		0.000111	0.00500	1	04/06/2025 18:25	WG2483997
Chloromethane	U		0.000960	0.00250	1	04/06/2025 18:25	WG2483997
1,2-Dibromoethane	U		0.000126	0.00100	1	04/06/2025 18:25	WG2483997
1,1-Dichloroethane	U		0.000100	0.00100	1	04/06/2025 18:25	WG2483997
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/06/2025 18:25	WG2483997
1,1-Dichloroethene	U		0.000188	0.00100	1	04/06/2025 18:25	WG2483997
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/06/2025 18:25	WG2483997
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/06/2025 18:25	WG2483997
1,2-Dichloropropane	U		0.000149	0.00100	1	04/06/2025 18:25	WG2483997
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/06/2025 18:25	WG2483997
trans-1,3-Dichloropropene	U	C3 J4	0.000118	0.00100	1	04/06/2025 18:25	WG2483997
Ethylbenzene	U		0.000137	0.00100	1	04/06/2025 18:25	WG2483997
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/06/2025 18:25	WG2483997
2-Hexanone	U		0.000787	0.0100	1	04/06/2025 18:25	WG2483997
Isopropylbenzene	U		0.000105	0.00100	1	04/06/2025 18:25	WG2483997
p-Isopropyltoluene	U		0.000120	0.00100	1	04/06/2025 18:25	WG2483997
2-Butanone (MEK)	U		0.00119	0.0100	1	04/06/2025 18:25	WG2483997
Methylene Chloride	U		0.000430	0.00500	1	04/06/2025 18:25	WG2483997
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/06/2025 18:25	WG2483997
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/06/2025 18:25	WG2483997
Naphthalene	U		0.00100	0.00500	1	04/06/2025 18:25	WG2483997
n-Propylbenzene	U		0.0000993	0.00100	1	04/06/2025 18:25	WG2483997
Styrene	U		0.000118	0.00100	1	04/06/2025 18:25	WG2483997
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/06/2025 18:25	WG2483997
Tetrachloroethene	U		0.000300	0.00100	1	04/06/2025 18:25	WG2483997
Toluene	U		0.000278	0.00100	1	04/06/2025 18:25	WG2483997
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/06/2025 18:25	WG2483997
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/06/2025 18:25	WG2483997
Trichloroethene	U		0.000190	0.00100	1	04/06/2025 18:25	WG2483997
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/06/2025 18:25	WG2483997
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/06/2025 18:25	WG2483997
Vinyl chloride	U	C3	0.000234	0.00100	1	04/06/2025 18:25	WG2483997
Xylenes, Total	U		0.000174	0.00300	1	04/06/2025 18:25	WG2483997
(S) Toluene-d8	*101*			*80.0-120*		*04/06/2025 18:25*	WG2483997
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*04/06/2025 18:25*	WG2483997
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*04/06/2025 18:25*	WG2483997

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0793	J	0.0605	0.100	1	04/10/2025 03:11	WG2485492
(S) o-Terphenyl	*74.2*			*52.0-156*		*04/10/2025 03:11*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U	J3	0.0000886	0.00100	1	04/11/2025 02:50	WG2484767
Acenaphthylene	U	J3	0.0000921	0.00100	1	04/11/2025 02:50	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 02:50	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 02:50	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 02:50	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 02:50	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 02:50	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 02:50	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 02:50	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 02:50	WG2484767
Benzo(a)pyrene	0.0000900	J	0.0000381	0.000200	1	04/11/2025 02:50	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 02:50	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 02:50	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 02:50	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 02:50	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 02:50	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 02:50	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 02:50	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 02:50	WG2484767
Carbazole	U	J3	0.000111	0.0100	1	04/11/2025 02:50	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 02:50	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 02:50	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 02:50	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 02:50	WG2484767
2,4-Dinitrotoluene	U	J3	0.0000983	0.0100	1	04/11/2025 02:50	WG2484767
2,6-Dinitrotoluene	U	J3	0.000250	0.0100	1	04/11/2025 02:50	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 02:50	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 02:50	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 02:50	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 02:50	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 02:50	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 02:50	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 02:50	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 02:50	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 02:50	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 02:50	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 02:50	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 02:50	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 02:50	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 02:50	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 02:50	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 02:50	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 02:50	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 02:50	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 02:50	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 02:50	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 02:50	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 02:50	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 02:50	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 02:50	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 02:50	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 02:50	WG2484767
2,4-Dimethylphenol	U	J3 J4	0.0000636	0.0100	1	04/11/2025 02:50	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 02:50	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 02:50	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 02:50	WG2484767

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 02:50	WG2484767
2-Methylphenol	U	J3	0.0000929	0.0100	1	04/11/2025 02:50	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 02:50	WG2484767
3-Nitroaniline	U	J3	0.0000869	0.0100	1	04/11/2025 02:50	WG2484767
4-Chloroaniline	U	J3 J4	0.000234	0.0100	1	04/11/2025 02:50	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 02:50	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 02:50	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 02:50	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 02:50	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 02:50	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 02:50	WG2484767
(S) 2-Fluorophenol	*23.3*			*10.0-120*		*04/11/2025 02:50*	WG2484767
(S) Phenol-d5	*15.3*			*10.0-120*		*04/11/2025 02:50*	WG2484767
(S) Nitrobenzene-d5	*52.3*			*10.0-127*		*04/11/2025 02:50*	WG2484767
(S) 2-Fluorobiphenyl	*51.7*			*10.0-130*		*04/11/2025 02:50*	WG2484767
(S) 2,4,6-Tribromophenol	*59.7*			*10.0-155*		*04/11/2025 02:50*	WG2484767
(S) p-Terphenyl-d14	*58.9*			*10.0-128*		*04/11/2025 02:50*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	946		20.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	277		2.74	5.00	5	04/05/2025 08:56	WG2483313
Fluoride	0.773		0.0761	0.150	1	04/05/2025 08:40	WG2483313
Nitrate as (N)	3.06		0.0884	0.100	1	04/05/2025 08:40	WG2483313
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 08:40	WG2483313
Sulfate	84.3		0.637	5.00	1	04/05/2025 08:40	WG2483313

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:33	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.177	J	0.0232	0.200	1	04/09/2025 19:17	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:22	WG2484489
Arsenic,Dissolved	0.00484		0.000120	0.00200	1	04/10/2025 19:22	WG2484489
Barium,Dissolved	0.102		0.000500	0.00200	1	04/10/2025 19:22	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:22	WG2484489
Chromium,Dissolved	0.00138	J	0.000900	0.00200	1	04/10/2025 19:22	WG2484489
Copper,Dissolved	0.00265	J	0.000700	0.00500	1	04/10/2025 19:22	WG2484489
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 19:22	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 19:22	WG2484489
Lead,Dissolved	0.00202		0.000500	0.00200	1	04/10/2025 19:22	WG2484489
Manganese,Dissolved	0.00179	J	0.000700	0.00500	1	04/10/2025 19:22	WG2484489
Molybdenum,Dissolved	0.00223	J	0.000500	0.00500	1	04/10/2025 19:22	WG2484489
Nickel,Dissolved	0.0108		0.000500	0.00200	1	04/10/2025 19:22	WG2484489
Selenium,Dissolved	0.00594		0.000250	0.00200	1	04/10/2025 19:22	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:22	WG2484489
Uranium,Dissolved	0.00199		0.000130	0.00100	1	04/10/2025 21:27	WG2484489
Zinc,Dissolved	0.0298		0.00400	0.0250	1	04/10/2025 19:22	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 01:03	WG2489699
(S) a,a,a-Trifluorotoluene(FID)	*88.1*			*78.0-120*		*04/14/2025 01:03*	WG2489699

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/11/2025 05:44	WG2487404
Benzene	U		0.0000941	0.00100	1	04/11/2025 05:44	WG2487404
Bromodichloromethane	U		0.000136	0.00100	1	04/11/2025 05:44	WG2487404
Bromoform	U		0.000129	0.00100	1	04/11/2025 05:44	WG2487404
Bromomethane	U		0.000605	0.00500	1	04/11/2025 05:44	WG2487404
n-Butylbenzene	U		0.000157	0.00100	1	04/11/2025 05:44	WG2487404
sec-Butylbenzene	U		0.000125	0.00100	1	04/11/2025 05:44	WG2487404
tert-Butylbenzene	U		0.000127	0.00100	1	04/11/2025 05:44	WG2487404
Carbon disulfide	U		0.0000962	0.00100	1	04/11/2025 05:44	WG2487404
Carbon tetrachloride	0.000331	J	0.000128	0.00100	1	04/11/2025 05:44	WG2487404
Chlorobenzene	U		0.000116	0.00100	1	04/11/2025 05:44	WG2487404
Chlorodibromomethane	U		0.000140	0.00100	1	04/11/2025 05:44	WG2487404
Chloroethane	U		0.000192	0.00500	1	04/11/2025 05:44	WG2487404
Chloroform	0.000834	J	0.000111	0.00500	1	04/11/2025 05:44	WG2487404
Chloromethane	U		0.000960	0.00250	1	04/11/2025 05:44	WG2487404
1,2-Dibromoethane	U		0.000126	0.00100	1	04/11/2025 05:44	WG2487404
1,1-Dichloroethane	U		0.000100	0.00100	1	04/11/2025 05:44	WG2487404
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/11/2025 05:44	WG2487404
1,1-Dichloroethene	U		0.000188	0.00100	1	04/11/2025 05:44	WG2487404
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/11/2025 05:44	WG2487404
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/11/2025 05:44	WG2487404
1,2-Dichloropropane	U		0.000149	0.00100	1	04/11/2025 05:44	WG2487404
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/11/2025 05:44	WG2487404
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/11/2025 05:44	WG2487404
Ethylbenzene	U		0.000137	0.00100	1	04/11/2025 05:44	WG2487404
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/11/2025 05:44	WG2487404
2-Hexanone	U		0.000787	0.0100	1	04/11/2025 05:44	WG2487404
Isopropylbenzene	U		0.000105	0.00100	1	04/11/2025 05:44	WG2487404
p-Isopropyltoluene	U		0.000120	0.00100	1	04/11/2025 05:44	WG2487404
2-Butanone (MEK)	U		0.00119	0.0100	1	04/11/2025 05:44	WG2487404
Methylene Chloride	U		0.000430	0.00500	1	04/11/2025 05:44	WG2487404
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/11/2025 05:44	WG2487404
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/11/2025 05:44	WG2487404
Naphthalene	U		0.00100	0.00500	1	04/11/2025 05:44	WG2487404
n-Propylbenzene	U		0.0000993	0.00100	1	04/11/2025 05:44	WG2487404
Styrene	U		0.000118	0.00100	1	04/11/2025 05:44	WG2487404
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/11/2025 05:44	WG2487404
Tetrachloroethene	U		0.000300	0.00100	1	04/11/2025 05:44	WG2487404
Toluene	U		0.000278	0.00100	1	04/11/2025 05:44	WG2487404
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/11/2025 05:44	WG2487404
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/11/2025 05:44	WG2487404
Trichloroethene	U		0.000190	0.00100	1	04/11/2025 05:44	WG2487404
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/11/2025 05:44	WG2487404
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/11/2025 05:44	WG2487404
Vinyl chloride	U		0.000234	0.00100	1	04/11/2025 05:44	WG2487404
Xylenes, Total	U		0.000174	0.00300	1	04/11/2025 05:44	WG2487404
(S) Toluene-d8	*107*			*80.0-120*		*04/11/2025 05:44*	WG2487404
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/11/2025 05:44*	WG2487404
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*04/11/2025 05:44*	WG2487404

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	04/10/2025 03:31	WG2485492
(S) o-Terphenyl	*74.7*			*52.0-156*		*04/10/2025 03:31*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 03:54	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 03:54	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 03:54	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 03:54	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 03:54	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 03:54	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 03:54	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 03:54	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 03:54	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 03:54	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 03:54	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 03:54	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 03:54	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 03:54	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 03:54	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 03:54	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 03:54	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 03:54	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 03:54	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 03:54	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 03:54	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 03:54	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 03:54	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 03:54	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 03:54	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 03:54	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 03:54	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 03:54	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 03:54	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 03:54	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 03:54	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 03:54	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 03:54	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 03:54	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 03:54	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 03:54	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 03:54	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 03:54	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 03:54	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 03:54	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 03:54	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 03:54	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 03:54	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 03:54	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 03:54	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 03:54	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 03:54	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 03:54	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 03:54	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 03:54	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 03:54	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 03:54	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 03:54	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 03:54	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 03:54	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 03:54	WG2484767

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 03:54	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 03:54	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 03:54	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 03:54	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 03:54	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 03:54	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 03:54	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 03:54	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 03:54	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 03:54	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 03:54	WG2484767
(S) 2-Fluorophenol	*29.1*			*10.0-120*		*04/11/2025 03:54*	WG2484767
(S) Phenol-d5	*20.2*			*10.0-120*		*04/11/2025 03:54*	WG2484767
(S) Nitrobenzene-d5	*57.2*			*10.0-127*		*04/11/2025 03:54*	WG2484767
(S) 2-Fluorobiphenyl	*62.4*			*10.0-130*		*04/11/2025 03:54*	WG2484767
(S) 2,4,6-Tribromophenol	*61.6*			*10.0-155*		*04/11/2025 03:54*	WG2484767
(S) p-Terphenyl-d14	*65.0*			*10.0-128*		*04/11/2025 03:54*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	497		10.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	87.4		0.547	1.00	1	04/05/2025 09:13	WG2483313
Fluoride	0.952		0.0761	0.150	1	04/05/2025 09:13	WG2483313
Nitrate as (N)	2.74		0.0884	0.100	1	04/05/2025 09:13	WG2483313
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 09:13	WG2483313
Sulfate	79.7		0.637	5.00	1	04/05/2025 09:13	WG2483313

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:36	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.146	J	0.0232	0.200	1	04/09/2025 19:20	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:25	WG2484489
Arsenic,Dissolved	0.00522		0.000120	0.00200	1	04/10/2025 19:25	WG2484489
Barium,Dissolved	0.0901		0.000500	0.00200	1	04/10/2025 19:25	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:25	WG2484489
Chromium,Dissolved	0.00216		0.000900	0.00200	1	04/10/2025 19:25	WG2484489
Copper,Dissolved	0.00211	J	0.000700	0.00500	1	04/10/2025 19:25	WG2484489
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 19:25	WG2484489
Iron,Dissolved	0.0512	J	0.0226	0.100	1	04/10/2025 19:25	WG2484489
Lead,Dissolved	0.00263		0.000500	0.00200	1	04/10/2025 19:25	WG2484489
Manganese,Dissolved	0.00139	J	0.000700	0.00500	1	04/10/2025 19:25	WG2484489
Molybdenum,Dissolved	0.00264	J	0.000500	0.00500	1	04/10/2025 19:25	WG2484489
Nickel,Dissolved	0.00215		0.000500	0.00200	1	04/10/2025 19:25	WG2484489
Selenium,Dissolved	0.00403		0.000250	0.00200	1	04/10/2025 19:25	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:25	WG2484489
Uranium,Dissolved	0.00172		0.000130	0.00100	1	04/10/2025 21:30	WG2484489
Zinc,Dissolved	0.178		0.00400	0.0250	1	04/10/2025 19:25	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 01:26	WG2489699
(S) a,a,a-Trifluorotoluene(FID)	*88.3*			*78.0-120*		*04/14/2025 01:26*	WG2489699

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/13/2025 14:07	WG2488939
Benzene	U		0.0000941	0.00100	1	04/13/2025 14:07	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 14:07	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 14:07	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 14:07	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 14:07	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 14:07	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 14:07	WG2488939
Carbon disulfide	U		0.0000962	0.00100	1	04/13/2025 14:07	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 14:07	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 14:07	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 14:07	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 14:07	WG2488939
Chloroform	U		0.000111	0.00500	1	04/13/2025 14:07	WG2488939
Chloromethane	U		0.000960	0.00250	1	04/13/2025 14:07	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 14:07	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 14:07	WG2488939
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 14:07	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 14:07	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 14:07	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 14:07	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 14:07	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 14:07	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 14:07	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 14:07	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 14:07	WG2488939
2-Hexanone	U		0.000787	0.0100	1	04/13/2025 14:07	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 14:07	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 14:07	WG2488939
2-Butanone (MEK)	U		0.00119	0.0100	1	04/13/2025 14:07	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 14:07	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 14:07	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 14:07	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 14:07	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 14:07	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 14:07	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 14:07	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 14:07	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 14:07	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 14:07	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 14:07	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 14:07	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 14:07	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 14:07	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 14:07	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 14:07	WG2488939
(S) Toluene-d8	*110*			*80.0-120*		*04/13/2025 14:07*	WG2488939
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*04/13/2025 14:07*	WG2488939
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/13/2025 14:07*	WG2488939

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	04/10/2025 03:52	WG2485492
(S) o-Terphenyl	*74.7*			*52.0-156*		*04/10/2025 03:52*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 04:16	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 04:16	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 04:16	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 04:16	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 04:16	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 04:16	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 04:16	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 04:16	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 04:16	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 04:16	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 04:16	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 04:16	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 04:16	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 04:16	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 04:16	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 04:16	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 04:16	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 04:16	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 04:16	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 04:16	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 04:16	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 04:16	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 04:16	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 04:16	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 04:16	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 04:16	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 04:16	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 04:16	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 04:16	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 04:16	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 04:16	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 04:16	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 04:16	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 04:16	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 04:16	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 04:16	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 04:16	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 04:16	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 04:16	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 04:16	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 04:16	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 04:16	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 04:16	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 04:16	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 04:16	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 04:16	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 04:16	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 04:16	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 04:16	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 04:16	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 04:16	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 04:16	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 04:16	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 04:16	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 04:16	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 04:16	WG2484767

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 04:16	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 04:16	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 04:16	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 04:16	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 04:16	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 04:16	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 04:16	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 04:16	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 04:16	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 04:16	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 04:16	WG2484767
(S) 2-Fluorophenol	*25.8*			*10.0-120*		*04/11/2025 04:16*	WG2484767
(S) Phenol-d5	*18.3*			*10.0-120*		*04/11/2025 04:16*	WG2484767
(S) Nitrobenzene-d5	*45.5*			*10.0-127*		*04/11/2025 04:16*	WG2484767
(S) 2-Fluorobiphenyl	*45.5*			*10.0-130*		*04/11/2025 04:16*	WG2484767
(S) 2,4,6-Tribromophenol	*39.4*			*10.0-155*		*04/11/2025 04:16*	WG2484767
(S) p-Terphenyl-d14	*58.4*			*10.0-128*		*04/11/2025 04:16*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	960		20.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	269		2.74	5.00	5	04/05/2025 10:02	WG2483313
Fluoride	0.736		0.0761	0.150	1	04/05/2025 09:45	WG2483313
Nitrate as (N)	2.96		0.0884	0.100	1	04/05/2025 09:45	WG2483313
Nitrite as (N)	U		0.0794	0.100	1	04/05/2025 09:45	WG2483313
Sulfate	81.5		0.637	5.00	1	04/05/2025 09:45	WG2483313

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:41	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.180	J	0.0232	0.200	1	04/09/2025 19:23	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:29	WG2484489
Arsenic,Dissolved	0.00511		0.000120	0.00200	1	04/10/2025 19:29	WG2484489
Barium,Dissolved	0.104		0.000500	0.00200	1	04/10/2025 19:29	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:29	WG2484489
Chromium,Dissolved	0.00106	J	0.000900	0.00200	1	04/10/2025 19:29	WG2484489
Copper,Dissolved	0.00285	J	0.000700	0.00500	1	04/10/2025 19:29	WG2484489
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 19:29	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 19:29	WG2484489
Lead,Dissolved	0.00257		0.000500	0.00200	1	04/10/2025 19:29	WG2484489
Manganese,Dissolved	0.00142	J	0.000700	0.00500	1	04/10/2025 19:29	WG2484489
Molybdenum,Dissolved	0.00230	J	0.000500	0.00500	1	04/10/2025 19:29	WG2484489
Nickel,Dissolved	0.00798		0.000500	0.00200	1	04/10/2025 19:29	WG2484489
Selenium,Dissolved	0.00347		0.000250	0.00200	1	04/10/2025 19:29	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:29	WG2484489
Uranium,Dissolved	0.00197		0.000130	0.00100	1	04/10/2025 21:33	WG2484489
Zinc,Dissolved	0.0239	J	0.00400	0.0250	1	04/10/2025 19:29	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 01:49	WG2489699
(S) a,a,a-Trifluorotoluene(FID)	*88.2*			*78.0-120*		*04/14/2025 01:49*	WG2489699

DUP-01
Collected date/time: 04/03/25 10:00
L1843532

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/13/2025 14:31	WG2488939
Benzene	U		0.0000941	0.00100	1	04/13/2025 14:31	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 14:31	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 14:31	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 14:31	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 14:31	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 14:31	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 14:31	WG2488939
Carbon disulfide	U		0.0000962	0.00100	1	04/13/2025 14:31	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 14:31	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 14:31	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 14:31	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 14:31	WG2488939
Chloroform	0.000653	J	0.000111	0.00500	1	04/13/2025 14:31	WG2488939
Chloromethane	U		0.000960	0.00250	1	04/13/2025 14:31	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 14:31	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 14:31	WG2488939
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 14:31	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 14:31	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 14:31	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 14:31	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 14:31	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 14:31	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 14:31	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 14:31	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 14:31	WG2488939
2-Hexanone	U		0.000787	0.0100	1	04/13/2025 14:31	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 14:31	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 14:31	WG2488939
2-Butanone (MEK)	U		0.00119	0.0100	1	04/13/2025 14:31	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 14:31	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 14:31	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 14:31	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 14:31	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 14:31	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 14:31	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 14:31	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 14:31	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 14:31	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 14:31	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 14:31	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 14:31	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 14:31	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 14:31	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 14:31	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 14:31	WG2488939
(S) Toluene-d8	*108*			*80.0-120*		*04/13/2025 14:31*	WG2488939
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*04/13/2025 14:31*	WG2488939
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/13/2025 14:31*	WG2488939

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	04/10/2025 04:12	WG2485492
(S) o-Terphenyl	*75.8*			*52.0-156*		*04/10/2025 04:12*	WG2485492

DUP-01
Collected date/time: 04/03/25 10:00
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 04:37	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 04:37	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 04:37	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 04:37	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 04:37	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 04:37	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 04:37	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 04:37	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 04:37	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 04:37	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 04:37	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 04:37	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 04:37	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 04:37	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 04:37	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 04:37	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 04:37	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 04:37	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 04:37	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 04:37	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 04:37	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 04:37	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 04:37	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 04:37	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 04:37	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 04:37	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 04:37	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 04:37	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 04:37	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 04:37	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 04:37	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 04:37	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 04:37	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 04:37	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 04:37	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 04:37	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 04:37	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 04:37	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 04:37	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 04:37	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 04:37	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 04:37	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 04:37	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 04:37	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 04:37	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 04:37	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 04:37	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 04:37	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 04:37	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 04:37	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 04:37	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 04:37	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 04:37	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 04:37	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 04:37	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 04:37	WG2484767

DUP-01
Collected date/time: 04/03/25 10:00
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 04:37	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 04:37	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 04:37	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 04:37	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 04:37	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 04:37	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 04:37	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 04:37	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 04:37	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 04:37	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 04:37	WG2484767
(S) 2-Fluorophenol	*17.8*			*10.0-120*		*04/11/2025 04:37*	WG2484767
(S) Phenol-d5	*13.7*			*10.0-120*		*04/11/2025 04:37*	WG2484767
(S) Nitrobenzene-d5	*35.0*			*10.0-127*		*04/11/2025 04:37*	WG2484767
(S) 2-Fluorobiphenyl	*39.0*			*10.0-130*		*04/11/2025 04:37*	WG2484767
(S) 2,4,6-Tribromophenol	*33.4*			*10.0-155*		*04/11/2025 04:37*	WG2484767
(S) p-Terphenyl-d14	*48.0*			*10.0-128*		*04/11/2025 04:37*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	310		10.0	1	04/05/2025 14:45	WG2483465

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	5.76		0.547	1.00	1	04/09/2025 00:18	WG2484154
Fluoride	0.389		0.0761	0.150	1	04/05/2025 10:18	WG2483313
Nitrate as (N)	U	Q	0.0884	0.100	1	04/05/2025 10:18	WG2483313
Nitrite as (N)	U	Q	0.0794	0.100	1	04/05/2025 10:18	WG2483313
Sulfate	11.7		0.637	5.00	1	04/05/2025 10:18	WG2483313

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:44	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.0315	J	0.0232	0.200	1	04/09/2025 19:25	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:32	WG2484489
Arsenic,Dissolved	0.00644		0.000120	0.00200	1	04/10/2025 19:32	WG2484489
Barium,Dissolved	0.449		0.000500	0.00200	1	04/10/2025 19:32	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:32	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 19:32	WG2484489
Copper,Dissolved	U		0.000700	0.00500	1	04/10/2025 19:32	WG2484489
Cobalt,Dissolved	0.00145	J	0.000100	0.00200	1	04/10/2025 19:32	WG2484489
Iron,Dissolved	0.440		0.0226	0.100	1	04/10/2025 19:32	WG2484489
Lead,Dissolved	0.00249		0.000500	0.00200	1	04/10/2025 19:32	WG2484489
Manganese,Dissolved	0.306		0.000700	0.00500	1	04/10/2025 19:32	WG2484489
Molybdenum,Dissolved	0.00157	J	0.000500	0.00500	1	04/10/2025 19:32	WG2484489
Nickel,Dissolved	0.00202		0.000500	0.00200	1	04/10/2025 19:32	WG2484489
Selenium,Dissolved	U		0.000250	0.00200	1	04/10/2025 19:32	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:32	WG2484489
Uranium,Dissolved	0.000154	J	0.000130	0.00100	1	04/10/2025 19:32	WG2484489
Zinc,Dissolved	U		0.00400	0.0250	1	04/10/2025 19:32	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 02:12	WG2489699
(S) a,a,a-Trifluorotoluene(FID)	*88.4*			*78.0-120*		*04/14/2025 02:12*	WG2489699

DUP-02
Collected date/time: 04/03/25 10:00
L1843532

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/13/2025 14:55	WG2488939
Benzene	U		0.0000941	0.00100	1	04/13/2025 14:55	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 14:55	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 14:55	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 14:55	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 14:55	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 14:55	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 14:55	WG2488939
Carbon disulfide	U		0.0000962	0.00100	1	04/13/2025 14:55	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 14:55	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 14:55	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 14:55	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 14:55	WG2488939
Chloroform	U		0.000111	0.00500	1	04/13/2025 14:55	WG2488939
Chloromethane	U		0.000960	0.00250	1	04/13/2025 14:55	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 14:55	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 14:55	WG2488939
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 14:55	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 14:55	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 14:55	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 14:55	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 14:55	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 14:55	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 14:55	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 14:55	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 14:55	WG2488939
2-Hexanone	U		0.000787	0.0100	1	04/13/2025 14:55	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 14:55	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 14:55	WG2488939
2-Butanone (MEK)	U		0.00119	0.0100	1	04/13/2025 14:55	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 14:55	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 14:55	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 14:55	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 14:55	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 14:55	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 14:55	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 14:55	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 14:55	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 14:55	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 14:55	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 14:55	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 14:55	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 14:55	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 14:55	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 14:55	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 14:55	WG2488939
(S) Toluene-d8	*106*			*80.0-120*		*04/13/2025 14:55*	WG2488939
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*04/13/2025 14:55*	WG2488939
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/13/2025 14:55*	WG2488939

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.181		0.0605	0.100	1	04/10/2025 04:32	WG2485492
(S) o-Terphenyl	*75.8*			*52.0-156*		*04/10/2025 04:32*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/16/2025 18:21	WG2484767
Acenaphthylene	U	C4	0.0000921	0.00100	1	04/16/2025 18:21	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/16/2025 18:21	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/16/2025 18:21	WG2484767
Atrazine	U		0.000255	0.0100	1	04/16/2025 18:21	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/16/2025 18:21	WG2484767
Benzaldehyde	U	C7	0.00169	0.0100	1	04/16/2025 18:21	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/16/2025 18:21	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/16/2025 18:21	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/16/2025 18:21	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/16/2025 18:21	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/16/2025 18:21	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/16/2025 18:21	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/16/2025 18:21	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/16/2025 18:21	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/16/2025 18:21	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/16/2025 18:21	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/16/2025 18:21	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/16/2025 18:21	WG2484767
Carbazole	U		0.000111	0.0100	1	04/16/2025 18:21	WG2484767
Chrysene	U		0.000130	0.00100	1	04/16/2025 18:21	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/16/2025 18:21	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/16/2025 18:21	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/16/2025 18:21	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/16/2025 18:21	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/16/2025 18:21	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/16/2025 18:21	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/16/2025 18:21	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/16/2025 18:21	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/16/2025 18:21	WG2484767
Hexachlorocyclopentadiene	U	C3	0.0000598	0.0100	1	04/16/2025 18:21	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/16/2025 18:21	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/16/2025 18:21	WG2484767
Isophorone	U		0.000143	0.0100	1	04/16/2025 18:21	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/16/2025 18:21	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/16/2025 18:21	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/16/2025 18:21	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/16/2025 18:21	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/16/2025 18:21	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/16/2025 18:21	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/16/2025 18:21	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/16/2025 18:21	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/16/2025 18:21	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/16/2025 18:21	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/16/2025 18:21	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/16/2025 18:21	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/16/2025 18:21	WG2484767
Pyrene	U		0.000107	0.00100	1	04/16/2025 18:21	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/16/2025 18:21	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/16/2025 18:21	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/16/2025 18:21	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/16/2025 18:21	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/16/2025 18:21	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/16/2025 18:21	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/16/2025 18:21	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/16/2025 18:21	WG2484767

DUP-02
Collected date/time: 04/03/25 10:00
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.000102	0.0100	1	04/16/2025 18:21	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/16/2025 18:21	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/16/2025 18:21	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/16/2025 18:21	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/16/2025 18:21	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/16/2025 18:21	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/16/2025 18:21	WG2484767
Pentachlorophenol	U	C3	0.000313	0.0100	1	04/16/2025 18:21	WG2484767
Phenol	U		0.00433	0.0100	1	04/16/2025 18:21	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/16/2025 18:21	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/16/2025 18:21	WG2484767
(S) 2-Fluorophenol	*20.6*			*10.0-120*		*04/16/2025 18:21*	WG2484767
(S) Phenol-d5	*16.2*			*10.0-120*		*04/16/2025 18:21*	WG2484767
(S) Nitrobenzene-d5	*63.3*			*10.0-127*		*04/16/2025 18:21*	WG2484767
(S) 2-Fluorobiphenyl	*42.3*			*10.0-130*		*04/16/2025 18:21*	WG2484767
(S) 2,4,6-Tribromophenol	*54.0*			*10.0-155*		*04/16/2025 18:21*	WG2484767
(S) p-Terphenyl-d14	*47.0*			*10.0-128*		*04/16/2025 18:21*	WG2484767

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	1170		20.0	1	04/05/2025 13:24	WG2483459

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	80.0		0.547	1.00	1	04/05/2025 10:34	WG2483313
Fluoride	0.569		0.0761	0.150	1	04/05/2025 10:34	WG2483313
Nitrate as (N)	U	Q	0.0884	0.100	1	04/05/2025 10:34	WG2483313
Nitrite as (N)	U	Q	0.0794	0.100	1	04/05/2025 10:34	WG2483313
Sulfate	1.54	J	0.637	5.00	1	04/05/2025 10:34	WG2483313

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:46	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.162	J	0.0232	0.200	1	04/09/2025 19:34	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:35	WG2484489
Arsenic,Dissolved	0.00361		0.000120	0.00200	1	04/10/2025 19:35	WG2484489
Barium,Dissolved	0.688		0.000500	0.00200	1	04/10/2025 19:35	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:35	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 19:35	WG2484489
Copper,Dissolved	0.00726		0.000700	0.00500	1	04/10/2025 19:35	WG2484489
Cobalt,Dissolved	0.000110	J	0.000100	0.00200	1	04/10/2025 19:35	WG2484489
Iron,Dissolved	1.14		0.0226	0.100	1	04/10/2025 19:35	WG2484489
Lead,Dissolved	0.00180	J	0.000500	0.00200	1	04/10/2025 19:35	WG2484489
Manganese,Dissolved	0.711		0.00350	0.0250	5	04/10/2025 17:55	WG2484489
Molybdenum,Dissolved	0.00228	J	0.000500	0.00500	1	04/10/2025 19:35	WG2484489
Nickel,Dissolved	0.00111	J	0.000500	0.00200	1	04/10/2025 19:35	WG2484489
Selenium,Dissolved	U		0.000250	0.00200	1	04/10/2025 19:35	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:35	WG2484489
Uranium,Dissolved	0.0660		0.000130	0.00100	1	04/10/2025 21:37	WG2484489
Zinc,Dissolved	U		0.00400	0.0250	1	04/10/2025 19:35	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 17:04	WG2490017
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/14/2025 17:04*	WG2490017

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/13/2025 15:19	WG2488939
Benzene	0.000102	J	0.0000941	0.00100	1	04/13/2025 15:19	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 15:19	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 15:19	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 15:19	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 15:19	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 15:19	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 15:19	WG2488939
Carbon disulfide	U		0.0000962	0.00100	1	04/13/2025 15:19	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 15:19	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 15:19	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 15:19	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 15:19	WG2488939
Chloroform	U		0.000111	0.00500	1	04/13/2025 15:19	WG2488939
Chloromethane	U		0.000960	0.00250	1	04/13/2025 15:19	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 15:19	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 15:19	WG2488939
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 15:19	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 15:19	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 15:19	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 15:19	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 15:19	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 15:19	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 15:19	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 15:19	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 15:19	WG2488939
2-Hexanone	U		0.000787	0.0100	1	04/13/2025 15:19	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 15:19	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 15:19	WG2488939
2-Butanone (MEK)	U		0.00119	0.0100	1	04/13/2025 15:19	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 15:19	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 15:19	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 15:19	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 15:19	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 15:19	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 15:19	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 15:19	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 15:19	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 15:19	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 15:19	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 15:19	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 15:19	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 15:19	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 15:19	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 15:19	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 15:19	WG2488939
(S) Toluene-d8	*109*			*80.0-120*		*04/13/2025 15:19*	WG2488939
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*04/13/2025 15:19*	WG2488939
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*04/13/2025 15:19*	WG2488939

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0953	J	0.0605	0.100	1	04/10/2025 04:52	WG2485492
(S) o-Terphenyl	*77.4*			*52.0-156*		*04/10/2025 04:52*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 04:58	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 04:58	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 04:58	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 04:58	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 04:58	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 04:58	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 04:58	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 04:58	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 04:58	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 04:58	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 04:58	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 04:58	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 04:58	WG2484767
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 04:58	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 04:58	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 04:58	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 04:58	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 04:58	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 04:58	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 04:58	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 04:58	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 04:58	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 04:58	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 04:58	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 04:58	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 04:58	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 04:58	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 04:58	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 04:58	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 04:58	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 04:58	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 04:58	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 04:58	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 04:58	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 04:58	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 04:58	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 04:58	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 04:58	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 04:58	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 04:58	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 04:58	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 04:58	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 04:58	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 04:58	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 04:58	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 04:58	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 04:58	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 04:58	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 04:58	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 04:58	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 04:58	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 04:58	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 04:58	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 04:58	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 04:58	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 04:58	WG2484767

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 04:58	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 04:58	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 04:58	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 04:58	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 04:58	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 04:58	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 04:58	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 04:58	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 04:58	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 04:58	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 04:58	WG2484767
(S) 2-Fluorophenol	*20.9*			*10.0-120*		*04/11/2025 04:58*	WG2484767
(S) Phenol-d5	*14.4*			*10.0-120*		*04/11/2025 04:58*	WG2484767
(S) Nitrobenzene-d5	*49.2*			*10.0-127*		*04/11/2025 04:58*	WG2484767
(S) 2-Fluorobiphenyl	*59.3*			*10.0-130*		*04/11/2025 04:58*	WG2484767
(S) 2,4,6-Tribromophenol	*41.0*			*10.0-155*		*04/11/2025 04:58*	WG2484767
(S) p-Terphenyl-d14	*60.3*			*10.0-128*		*04/11/2025 04:58*	WG2484767

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:49	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	U		0.0232	0.200	1	04/09/2025 19:37	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:39	WG2484489
Arsenic,Dissolved	U		0.000120	0.00200	1	04/10/2025 19:39	WG2484489
Barium,Dissolved	U		0.000500	0.00200	1	04/10/2025 19:39	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:39	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 19:39	WG2484489
Copper,Dissolved	U		0.000700	0.00500	1	04/10/2025 19:39	WG2484489
Cobalt,Dissolved	0.000117	J	0.000100	0.00200	1	04/10/2025 19:39	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 19:39	WG2484489
Lead,Dissolved	0.00253		0.000500	0.00200	1	04/10/2025 19:39	WG2484489
Manganese,Dissolved	U		0.000700	0.00500	1	04/10/2025 19:39	WG2484489
Molybdenum,Dissolved	U		0.000500	0.00500	1	04/10/2025 19:39	WG2484489
Nickel,Dissolved	U		0.000500	0.00200	1	04/10/2025 19:39	WG2484489
Selenium,Dissolved	U		0.000250	0.00200	1	04/10/2025 19:39	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:39	WG2484489
Uranium,Dissolved	U		0.000130	0.00100	1	04/10/2025 19:39	WG2484489
Zinc,Dissolved	0.00517	J	0.00400	0.0250	1	04/10/2025 19:39	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 15:59	WG2490017
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/14/2025 15:59*	WG2490017

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0123	J	0.0113	0.0500	1	04/13/2025 13:19	WG2488939
Benzene	U		0.0000941	0.00100	1	04/13/2025 13:19	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 13:19	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 13:19	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 13:19	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 13:19	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 13:19	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 13:19	WG2488939
Carbon disulfide	0.00420		0.0000962	0.00100	1	04/13/2025 13:19	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 13:19	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 13:19	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 13:19	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 13:19	WG2488939
Chloroform	U		0.000111	0.00500	1	04/13/2025 13:19	WG2488939
Chloromethane	0.00491		0.000960	0.00250	1	04/13/2025 13:19	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 13:19	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 13:19	WG2488939

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 13:19	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 13:19	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 13:19	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 13:19	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 13:19	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 13:19	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 13:19	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 13:19	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 13:19	WG2488939
2-Hexanone	0.00105	J	0.000787	0.0100	1	04/13/2025 13:19	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 13:19	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 13:19	WG2488939
2-Butanone (MEK)	0.0159		0.00119	0.0100	1	04/13/2025 13:19	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 13:19	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 13:19	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 13:19	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 13:19	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 13:19	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 13:19	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 13:19	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 13:19	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 13:19	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 13:19	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 13:19	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 13:19	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 13:19	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 13:19	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 13:19	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 13:19	WG2488939
(S) Toluene-d8	*110*			*80.0-120*		*04/13/2025 13:19*	WG2488939
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*04/13/2025 13:19*	WG2488939
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*04/13/2025 13:19*	WG2488939

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	04/10/2025 05:12	WG2485492
(S) o-Terphenyl	*74.7*			*52.0-156*		*04/10/2025 05:12*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 05:20	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 05:20	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 05:20	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 05:20	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 05:20	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 05:20	WG2484767
Benzaldehyde	0.00521	J	0.00169	0.0100	1	04/11/2025 05:20	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 05:20	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 05:20	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 05:20	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 05:20	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 05:20	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 05:20	WG2484767

LB-01
Collected date/time: 04/03/25 09:05
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 05:20	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 05:20	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 05:20	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 05:20	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 05:20	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 05:20	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 05:20	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 05:20	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 05:20	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 05:20	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 05:20	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 05:20	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 05:20	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 05:20	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 05:20	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 05:20	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 05:20	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 05:20	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 05:20	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 05:20	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 05:20	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 05:20	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 05:20	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 05:20	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 05:20	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 05:20	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 05:20	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 05:20	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 05:20	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 05:20	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 05:20	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 05:20	WG2484767
Dimethyl phthalate	0.000332	J	0.000260	0.00300	1	04/11/2025 05:20	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 05:20	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 05:20	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 05:20	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 05:20	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 05:20	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 05:20	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 05:20	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 05:20	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 05:20	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 05:20	WG2484767
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 05:20	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 05:20	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 05:20	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 05:20	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 05:20	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 05:20	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 05:20	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 05:20	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 05:20	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 05:20	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 05:20	WG2484767
(S) 2-Fluorophenol	*32.8*			*10.0-120*		*04/11/2025 05:20*	WG2484767
(S) Phenol-d5	*23.4*			*10.0-120*		*04/11/2025 05:20*	WG2484767

LB-01
Collected date/time: 04/03/25 09:05
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Nitrobenzene-d5	*57.3*			*10.0-127*		*04/11/2025 05:20*	WG2484767
(S) 2-Fluorobiphenyl	*56.1*			*10.0-130*		*04/11/2025 05:20*	WG2484767
(S) 2,4,6-Tribromophenol	*48.2*			*10.0-155*		*04/11/2025 05:20*	WG2484767
(S) p-Terphenyl-d14	*64.7*			*10.0-128*		*04/11/2025 05:20*	WG2484767

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	04/11/2025 18:52	WG2484040

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	U		0.0232	0.200	1	04/09/2025 19:39	WG2484484

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	04/10/2025 19:42	WG2484489
Arsenic,Dissolved	U		0.000120	0.00200	1	04/10/2025 19:42	WG2484489
Barium,Dissolved	U		0.000500	0.00200	1	04/10/2025 19:42	WG2484489
Cadmium,Dissolved	U		0.000120	0.00100	1	04/10/2025 19:42	WG2484489
Chromium,Dissolved	U		0.000900	0.00200	1	04/10/2025 19:42	WG2484489
Copper,Dissolved	U		0.000700	0.00500	1	04/10/2025 19:42	WG2484489
Cobalt,Dissolved	U		0.000100	0.00200	1	04/10/2025 19:42	WG2484489
Iron,Dissolved	U		0.0226	0.100	1	04/10/2025 19:42	WG2484489
Lead,Dissolved	0.00242		0.000500	0.00200	1	04/10/2025 19:42	WG2484489
Manganese,Dissolved	U		0.000700	0.00500	1	04/10/2025 19:42	WG2484489
Molybdenum,Dissolved	U		0.000500	0.00500	1	04/10/2025 19:42	WG2484489
Nickel,Dissolved	U		0.000500	0.00200	1	04/10/2025 19:42	WG2484489
Selenium,Dissolved	U		0.000250	0.00200	1	04/10/2025 19:42	WG2484489
Silver,Dissolved	U		0.000110	0.00200	1	04/10/2025 19:42	WG2484489
Uranium,Dissolved	U		0.000130	0.00100	1	04/10/2025 19:42	WG2484489
Zinc,Dissolved	U		0.00400	0.0250	1	04/10/2025 19:42	WG2484489

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	04/14/2025 16:21	WG2490017
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*04/14/2025 16:21*	WG2490017

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/13/2025 13:43	WG2488939
Benzene	U		0.0000941	0.00100	1	04/13/2025 13:43	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 13:43	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 13:43	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 13:43	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 13:43	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 13:43	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 13:43	WG2488939
Carbon disulfide	U		0.0000962	0.00100	1	04/13/2025 13:43	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 13:43	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 13:43	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 13:43	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 13:43	WG2488939
Chloroform	U		0.000111	0.00500	1	04/13/2025 13:43	WG2488939
Chloromethane	U		0.000960	0.00250	1	04/13/2025 13:43	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 13:43	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 13:43	WG2488939

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 13:43	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 13:43	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 13:43	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 13:43	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 13:43	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 13:43	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 13:43	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 13:43	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 13:43	WG2488939
2-Hexanone	U		0.000787	0.0100	1	04/13/2025 13:43	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 13:43	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 13:43	WG2488939
2-Butanone (MEK)	U		0.00119	0.0100	1	04/13/2025 13:43	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 13:43	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 13:43	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 13:43	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 13:43	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 13:43	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 13:43	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 13:43	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 13:43	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 13:43	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 13:43	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 13:43	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 13:43	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 13:43	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 13:43	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 13:43	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 13:43	WG2488939
(S) Toluene-d8	*109*			*80.0-120*		*04/13/2025 13:43*	WG2488939
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*04/13/2025 13:43*	WG2488939
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/13/2025 13:43*	WG2488939

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	04/10/2025 05:32	WG2485492
(S) o-Terphenyl	*74.7*			*52.0-156*		*04/10/2025 05:32*	WG2485492

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/11/2025 05:41	WG2484767
Acenaphthylene	U		0.0000921	0.00100	1	04/11/2025 05:41	WG2484767
Acetophenone	U		0.000208	0.0100	1	04/11/2025 05:41	WG2484767
Anthracene	U		0.0000804	0.00100	1	04/11/2025 05:41	WG2484767
Atrazine	U		0.000255	0.0100	1	04/11/2025 05:41	WG2484767
Benzo(a)anthracene	U		0.000199	0.00100	1	04/11/2025 05:41	WG2484767
Benzaldehyde	U		0.00169	0.0100	1	04/11/2025 05:41	WG2484767
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/11/2025 05:41	WG2484767
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/11/2025 05:41	WG2484767
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/11/2025 05:41	WG2484767
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/11/2025 05:41	WG2484767
Biphenyl	U		0.000790	0.0100	1	04/11/2025 05:41	WG2484767
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/11/2025 05:41	WG2484767

LB-02
Collected date/time: 04/03/25 11:20
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/11/2025 05:41	WG2484767
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/11/2025 05:41	WG2484767
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/11/2025 05:41	WG2484767
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/11/2025 05:41	WG2484767
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/11/2025 05:41	WG2484767
Caprolactam	U		0.000309	0.0100	1	04/11/2025 05:41	WG2484767
Carbazole	U		0.000111	0.0100	1	04/11/2025 05:41	WG2484767
Chrysene	U		0.000130	0.00100	1	04/11/2025 05:41	WG2484767
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/11/2025 05:41	WG2484767
Dibenzofuran	U		0.0000970	0.0100	1	04/11/2025 05:41	WG2484767
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/11/2025 05:41	WG2484767
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/11/2025 05:41	WG2484767
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/11/2025 05:41	WG2484767
Fluoranthene	U		0.000102	0.00100	1	04/11/2025 05:41	WG2484767
Fluorene	U		0.0000844	0.00100	1	04/11/2025 05:41	WG2484767
Hexachlorobenzene	U		0.0000755	0.00100	1	04/11/2025 05:41	WG2484767
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/11/2025 05:41	WG2484767
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/11/2025 05:41	WG2484767
Hexachloroethane	U		0.000127	0.0100	1	04/11/2025 05:41	WG2484767
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/11/2025 05:41	WG2484767
Isophorone	U		0.000143	0.0100	1	04/11/2025 05:41	WG2484767
1-Methylnaphthalene	U		0.0000790	0.00100	1	04/11/2025 05:41	WG2484767
2-Methylnaphthalene	U		0.000117	0.00100	1	04/11/2025 05:41	WG2484767
Naphthalene	U		0.000159	0.00100	1	04/11/2025 05:41	WG2484767
Nitrobenzene	U		0.000297	0.0100	1	04/11/2025 05:41	WG2484767
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/11/2025 05:41	WG2484767
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/11/2025 05:41	WG2484767
Phenanthrene	U		0.000112	0.00100	1	04/11/2025 05:41	WG2484767
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/11/2025 05:41	WG2484767
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/11/2025 05:41	WG2484767
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/11/2025 05:41	WG2484767
Diethyl phthalate	U		0.000287	0.00300	1	04/11/2025 05:41	WG2484767
Dimethyl phthalate	U		0.000260	0.00300	1	04/11/2025 05:41	WG2484767
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/11/2025 05:41	WG2484767
Pyrene	U	C4	0.000107	0.00100	1	04/11/2025 05:41	WG2484767
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/11/2025 05:41	WG2484767
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/11/2025 05:41	WG2484767
2-Chlorophenol	U		0.000133	0.0100	1	04/11/2025 05:41	WG2484767
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/11/2025 05:41	WG2484767
2,4-Dimethylphenol	U	J4	0.0000636	0.0100	1	04/11/2025 05:41	WG2484767
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/11/2025 05:41	WG2484767
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/11/2025 05:41	WG2484767
2-Nitrophenol	U		0.000117	0.0100	1	04/11/2025 05:41	WG2484767
2-Nitroaniline	U		0.000102	0.0100	1	04/11/2025 05:41	WG2484767
2-Methylphenol	U		0.0000929	0.0100	1	04/11/2025 05:41	WG2484767
3&4-Methyl Phenol	U		0.000168	0.0100	1	04/11/2025 05:41	WG2484767
3-Nitroaniline	U		0.0000869	0.0100	1	04/11/2025 05:41	WG2484767
4-Chloroaniline	U	J4	0.000234	0.0100	1	04/11/2025 05:41	WG2484767
4-Nitroaniline	U		0.0000910	0.0100	1	04/11/2025 05:41	WG2484767
4-Nitrophenol	U		0.000143	0.0100	1	04/11/2025 05:41	WG2484767
Pentachlorophenol	U		0.000313	0.0100	1	04/11/2025 05:41	WG2484767
Phenol	U		0.00433	0.0100	1	04/11/2025 05:41	WG2484767
2,4,5-Trichlorophenol	U		0.000109	0.0100	1	04/11/2025 05:41	WG2484767
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/11/2025 05:41	WG2484767
(S) 2-Fluorophenol	*17.8*			*10.0-120*		*04/11/2025 05:41*	WG2484767
(S) Phenol-d5	*12.7*			*10.0-120*		*04/11/2025 05:41*	WG2484767

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EB-02
Collected date/time: 04/03/25 11:20
L1843532

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
(S) Nitrobenzene-d5	*41.1*			*10.0-127*		*04/11/2025 05:41*	WG2484767
(S) 2-Fluorobiphenyl	*43.8*			*10.0-130*		*04/11/2025 05:41*	WG2484767
(S) 2,4,6-Tribromophenol	*40.7*			*10.0-155*		*04/11/2025 05:41*	WG2484767
(S) p-Terphenyl-d14	*54.6*			*10.0-128*		*04/11/2025 05:41*	WG2484767

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/13/2025 11:45	WG2488939
Benzene	U		0.0000941	0.00100	1	04/13/2025 11:45	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 11:45	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 11:45	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 11:45	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 11:45	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 11:45	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 11:45	WG2488939
Carbon disulfide	U		0.0000962	0.00100	1	04/13/2025 11:45	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 11:45	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 11:45	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 11:45	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 11:45	WG2488939
Chloroform	U		0.000111	0.00500	1	04/13/2025 11:45	WG2488939
Chloromethane	U		0.000960	0.00250	1	04/13/2025 11:45	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 11:45	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 11:45	WG2488939
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 11:45	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 11:45	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 11:45	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 11:45	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 11:45	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 11:45	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 11:45	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 11:45	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 11:45	WG2488939
2-Hexanone	U		0.000787	0.0100	1	04/13/2025 11:45	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 11:45	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 11:45	WG2488939
2-Butanone (MEK)	U		0.00119	0.0100	1	04/13/2025 11:45	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 11:45	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 11:45	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 11:45	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 11:45	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 11:45	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 11:45	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 11:45	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 11:45	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 11:45	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 11:45	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 11:45	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 11:45	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 11:45	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 11:45	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 11:45	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 11:45	WG2488939
(S) Toluene-d8	*112*			*80.0-120*		*04/13/2025 11:45*	WG2488939
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*		*04/13/2025 11:45*	WG2488939
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/13/2025 11:45*	WG2488939

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/13/2025 12:08	WG2488939
Benzene	U		0.0000941	0.00100	1	04/13/2025 12:08	WG2488939
Bromodichloromethane	U		0.000136	0.00100	1	04/13/2025 12:08	WG2488939
Bromoform	U		0.000129	0.00100	1	04/13/2025 12:08	WG2488939
Bromomethane	U		0.000605	0.00500	1	04/13/2025 12:08	WG2488939
n-Butylbenzene	U		0.000157	0.00100	1	04/13/2025 12:08	WG2488939
sec-Butylbenzene	U		0.000125	0.00100	1	04/13/2025 12:08	WG2488939
tert-Butylbenzene	U		0.000127	0.00100	1	04/13/2025 12:08	WG2488939
Carbon disulfide	U		0.0000962	0.00100	1	04/13/2025 12:08	WG2488939
Carbon tetrachloride	U		0.000128	0.00100	1	04/13/2025 12:08	WG2488939
Chlorobenzene	U		0.000116	0.00100	1	04/13/2025 12:08	WG2488939
Chlorodibromomethane	U		0.000140	0.00100	1	04/13/2025 12:08	WG2488939
Chloroethane	U		0.000192	0.00500	1	04/13/2025 12:08	WG2488939
Chloroform	U		0.000111	0.00500	1	04/13/2025 12:08	WG2488939
Chloromethane	U		0.000960	0.00250	1	04/13/2025 12:08	WG2488939
1,2-Dibromoethane	U		0.000126	0.00100	1	04/13/2025 12:08	WG2488939
1,1-Dichloroethane	U		0.000100	0.00100	1	04/13/2025 12:08	WG2488939
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/13/2025 12:08	WG2488939
1,1-Dichloroethene	U		0.000188	0.00100	1	04/13/2025 12:08	WG2488939
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/13/2025 12:08	WG2488939
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/13/2025 12:08	WG2488939
1,2-Dichloropropane	U		0.000149	0.00100	1	04/13/2025 12:08	WG2488939
cis-1,3-Dichloropropene	U	C3 J4	0.000111	0.00100	1	04/13/2025 12:08	WG2488939
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/13/2025 12:08	WG2488939
Ethylbenzene	U		0.000137	0.00100	1	04/13/2025 12:08	WG2488939
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/13/2025 12:08	WG2488939
2-Hexanone	U		0.000787	0.0100	1	04/13/2025 12:08	WG2488939
Isopropylbenzene	U		0.000105	0.00100	1	04/13/2025 12:08	WG2488939
p-Isopropyltoluene	U		0.000120	0.00100	1	04/13/2025 12:08	WG2488939
2-Butanone (MEK)	U		0.00119	0.0100	1	04/13/2025 12:08	WG2488939
Methylene Chloride	U		0.000430	0.00500	1	04/13/2025 12:08	WG2488939
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/13/2025 12:08	WG2488939
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/13/2025 12:08	WG2488939
Naphthalene	U	C3	0.00100	0.00500	1	04/13/2025 12:08	WG2488939
n-Propylbenzene	U		0.0000993	0.00100	1	04/13/2025 12:08	WG2488939
Styrene	U		0.000118	0.00100	1	04/13/2025 12:08	WG2488939
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/13/2025 12:08	WG2488939
Tetrachloroethene	U		0.000300	0.00100	1	04/13/2025 12:08	WG2488939
Toluene	U		0.000278	0.00100	1	04/13/2025 12:08	WG2488939
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/13/2025 12:08	WG2488939
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/13/2025 12:08	WG2488939
Trichloroethene	U		0.000190	0.00100	1	04/13/2025 12:08	WG2488939
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/13/2025 12:08	WG2488939
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/13/2025 12:08	WG2488939
Vinyl chloride	U		0.000234	0.00100	1	04/13/2025 12:08	WG2488939
Xylenes, Total	U		0.000174	0.00300	1	04/13/2025 12:08	WG2488939
(S) Toluene-d8	*110*			*80.0-120*		*04/13/2025 12:08*	WG2488939
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*04/13/2025 12:08*	WG2488939
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*04/13/2025 12:08*	WG2488939

Method Blank (MB)

(MB) R4196234-1 04/05/25 11:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1842529-105 Original Sample (OS) • Duplicate (DUP)

(OS) L1842529-105 04/05/25 11:00 • (DUP) R4196234-3 04/05/25 11:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	4400	4440	1	0.905		10

L1843532-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-24 04/05/25 11:00 • (DUP) R4196234-4 04/05/25 11:00

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	321	323	1	0.621		10

Laboratory Control Sample (LCS)

(LCS) R4196234-2 04/05/25 11:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8070	91.7	90.0-110	

Method Blank (MB)

(MB) R4196345-1 04/05/25 13:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1842529-100 Original Sample (OS) • Duplicate (DUP)

(OS) L1842529-100 04/05/25 13:24 • (DUP) R4196345-3 04/05/25 13:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	7570	7730	1	2.09		10

L1843532-30 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-30 04/05/25 13:24 • (DUP) R4196345-4 04/05/25 13:24

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1170	1160	1	0.514		10

Laboratory Control Sample (LCS)

(LCS) R4196345-2 04/05/25 13:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8510	96.7	90.0-110	

Method Blank (MB)

(MB) R4196230-1 04/05/25 14:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1842529-145 Original Sample (OS) • Duplicate (DUP)

(OS) L1842529-145 04/05/25 14:45 • (DUP) R4196230-3 04/05/25 14:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	ND	ND	1	200	P1	10

L1843532-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-29 04/05/25 14:45 • (DUP) R4196230-4 04/05/25 14:45

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	310	313	1	0.963		10

Laboratory Control Sample (LCS)

(LCS) R4196230-2 04/05/25 14:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8460	96.1	90.0-110	

Method Blank (MB)

(MB) R4196210-1 04/05/25 08:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1843462-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1843462-02 04/05/25 08:22 • (DUP) R4196210-3 04/05/25 08:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	1670	1700	1	1.49		10

L1843532-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-16 04/05/25 08:22 • (DUP) R4196210-4 04/05/25 08:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	820	805	1	1.81		10

Laboratory Control Sample (LCS)

(LCS) R4196210-2 04/05/25 08:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8620	98.0	90.0-110	

Method Blank (MB)

(MB) R4198760-1 04/10/25 17:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1845625-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1845625-03 04/10/25 17:38 • (DUP) R4198760-3 04/10/25 17:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	848	846	1	0.236		10

Laboratory Control Sample (LCS)

(LCS) R4198760-2 04/10/25 17:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8700	98.9	90.0-110	

Method Blank (MB)

(MB) R4195950-1 04/04/25 23:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1843532-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-01 04/04/25 23:41 • (DUP) R4195950-3 04/04/25 23:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	77.9	77.7	1	0.282		15
Fluoride	0.682	0.727	1	6.49		15
Nitrate as (N)	3.66	3.64	1	0.444		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	66.8	66.5	1	0.499		15

L1843532-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-03 04/05/25 00:48 • (DUP) R4195950-6 04/05/25 01:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	11.9	11.7	1	2.20		15
Fluoride	0.910	0.984	1	7.89		15
Nitrate as (N)	2.53	2.51	1	0.761		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	26.0	25.4	1	2.18		15

Laboratory Control Sample (LCS)

(LCS) R4195950-2 04/04/25 23:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.2	98.0	80.0-120	
Fluoride	8.00	7.98	99.8	80.0-120	
Nitrate as (N)	8.00	7.96	99.5	80.0-120	
Nitrite as (N)	8.00	7.97	99.6	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4195950-2 04/04/25 23:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfate	40.0	39.6	99.1	80.0-120	

L1843532-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-01 04/04/25 23:41 • (MS) R4195950-4 04/05/25 00:08 • (MSD) R4195950-5 04/05/25 00:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	77.9	99.9	99.5	55.0	54.0	1	80.0-120	J6	J6	0.414	15
Fluoride	8.00	0.682	8.89	8.85	103	102	1	80.0-120			0.452	15
Nitrate as (N)	8.00	3.66	11.1	11.1	93.5	93.0	1	80.0-120	E	E	0.347	15
Nitrite as (N)	8.00	U	8.12	8.11	102	101	1	80.0-120			0.177	15
Sulfate	40.0	66.8	92.4	92.0	64.0	62.9	1	80.0-120	J6	J6	0.480	15

L1843532-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1843532-03 04/05/25 00:48 • (MS) R4195950-7 04/05/25 01:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	11.9	48.8	92.2	1	80.0-120	
Fluoride	8.00	0.910	9.04	102	1	80.0-120	
Nitrate as (N)	8.00	2.53	10.1	95.1	1	80.0-120	E
Nitrite as (N)	8.00	U	8.06	101	1	80.0-120	
Sulfate	40.0	26.0	60.4	86.1	1	80.0-120	

Method Blank (MB)

(MB) R4196088-1 04/05/25 03:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	2.89		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1843532-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-25 04/05/25 07:35 • (DUP) R4196088-3 04/05/25 07:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	78.9	78.7	1	0.292		15
Fluoride	0.562	0.564	1	0.355		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	1.45	1.30	1	10.7	J	15

L1843527-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1843527-02 04/05/25 11:23 • (DUP) R4196088-6 04/05/25 11:39

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	84.2	85.3	1	1.33		15
Nitrate as (N)	U	U	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4196088-2 04/05/25 03:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.3	98.3	80.0-120	
Fluoride	8.00	8.03	100	80.0-120	
Nitrate as (N)	8.00	7.85	98.2	80.0-120	
Nitrite as (N)	8.00	7.96	99.5	80.0-120	
Sulfate	40.0	39.9	99.8	80.0-120	

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/05/25 07:35 • (MS) R4196088-4 04/05/25 08:08 • (MSD) R4196088-5 04/05/25 08:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	78.9	100	103	53.7	61.2	1	80.0-120	E J6	E J6	2.94	15
Fluoride	8.00	0.562	8.52	8.76	99.5	103	1	80.0-120			2.81	15
Nitrate as (N)	8.00	U	7.76	7.99	97.0	99.9	1	80.0-120			2.93	15
Nitrite as (N)	8.00	U	7.92	8.13	99.0	102	1	80.0-120			2.69	15
Sulfate	40.0	1.45	39.8	40.9	95.9	98.7	1	80.0-120			2.77	15

L1843527-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1843527-02 04/05/25 11:23 • (MS) R4196088-7 04/05/25 11:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	84.2	101	41.9	1	80.0-120	E J6
Nitrate as (N)	8.00	U	7.58	94.7	1	80.0-120	

Method Blank (MB)

(MB) R4197100-1 04/08/25 22:19

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00

L1843532-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-23 04/08/25 22:42 • (DUP) R4197100-3 04/08/25 22:59

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	25.6	25.8	1	0.666		15

L1843532-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1843532-24 04/08/25 23:48 • (DUP) R4197100-6 04/08/25 23:58

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	28.3	5.76	1	1.64		15

Laboratory Control Sample (LCS)

(LCS) R4197100-2 04/08/25 22:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.6	98.9	80.0-120	

L1843532-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-23 04/08/25 22:42 • (MS) R4197100-4 04/08/25 23:15 • (MSD) R4197100-5 04/08/25 23:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	25.6	59.6	58.5	84.8	82.2	1	80.0-120			1.73	15

L1843532-24 Original Sample (OS) • Matrix Spike (MS)

(OS) L1843532-24 04/08/25 23:48 • (MS) R4197100-7 04/09/25 00:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	28.3	43.4	94.3	1	80.0-120	

Received by OCD: 4/15/2026 4:26:32 PM

QUALITY CONTROL SUMMARY

L1843532-01,03,04,05,08,09

Method Blank (MB)

(MB) R4198592-1 04/11/25 19:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4198592-2 04/11/25 19:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00272	90.8	80.0-120	

L1843532-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-08 04/11/25 19:40 • (MS) R4198592-4 04/11/25 19:45 • (MSD) R4198592-5 04/11/25 19:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00262	0.00261	87.2	87.0	1	75.0-125			0.243	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 4/17/2026 3:09:37 PM

Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4198562-1 04/11/25 16:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4198562-2 04/11/25 16:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00280	93.3	80.0-120	

L1843532-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-12 04/11/25 16:55 • (MS) R4198562-4 04/11/25 17:00 • (MSD) R4198562-5 04/11/25 17:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00293	0.00301	97.7	100	1	75.0-125			2.53	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

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Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4198581-1 04/11/25 18:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4198581-2 04/11/25 18:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00268	89.4	80.0-120	

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/11/25 18:15 • (MS) R4198581-4 04/11/25 18:20 • (MSD) R4198581-5 04/11/25 18:28

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.000589	0.000589	19.6	19.6	1	75.0-125	J6	J6	0.0121	20

Released to Imaging: 4/17/2026 3:09:37 PM

Method Blank (MB)

(MB) R4197404-1 04/09/25 16:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0233	0.200

Laboratory Control Sample (LCS)

(LCS) R4197404-2 04/09/25 16:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.975	97.5	80.0-120	

L1843532-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-09 04/09/25 16:52 • (MS) R4197404-4 04/09/25 16:57 • (MSD) R4197404-5 04/09/25 17:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.283	1.26	1.29	97.5	101	1	75.0-125			2.82	20

Method Blank (MB)

(MB) R4197406-1 04/09/25 18:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0233	0.200

Laboratory Control Sample (LCS)

(LCS) R4197406-2 04/09/25 18:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	1.01	101	80.0-120	

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/09/25 18:33 • (MS) R4197406-4 04/09/25 18:39 • (MSD) R4197406-5 04/09/25 18:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.171	1.16	1.18	99.0	101	1	75.0-125			1.51	20

Method Blank (MB)

(MB) R4197742-1 04/10/25 12:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum,Dissolved	U		0.0160	0.100
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	0.000890	J	0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Iron,Dissolved	U		0.0226	0.100
Lead,Dissolved	U		0.000500	0.00200
Manganese,Dissolved	U		0.000700	0.00500
Molybdenum,Dissolved	U		0.000500	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Uranium,Dissolved	U		0.000130	0.00100
Zinc,Dissolved	U		0.00400	0.0250

Laboratory Control Sample (LCS)

(LCS) R4197742-2 04/10/25 12:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum,Dissolved	1.00	0.991	99.1	80.0-120	
Arsenic,Dissolved	0.0500	0.0478	95.5	80.0-120	
Barium,Dissolved	0.0500	0.0478	95.7	80.0-120	
Cadmium,Dissolved	0.0500	0.0545	109	80.0-120	
Chromium,Dissolved	0.0500	0.0493	98.7	80.0-120	
Copper,Dissolved	0.0500	0.0506	101	80.0-120	
Cobalt,Dissolved	0.0500	0.0493	98.5	80.0-120	
Iron,Dissolved	1.00	0.990	99.0	80.0-120	
Lead,Dissolved	0.0500	0.0495	99.1	80.0-120	
Manganese,Dissolved	0.0500	0.0480	96.0	80.0-120	
Molybdenum,Dissolved	0.0500	0.0497	99.4	80.0-120	
Nickel,Dissolved	0.0500	0.0833	167	80.0-120	J4
Selenium,Dissolved	0.0500	0.0484	96.8	80.0-120	
Silver,Dissolved	0.0500	0.0502	100	80.0-120	
Uranium,Dissolved	0.0500	0.0517	103	80.0-120	
Zinc,Dissolved	0.0500	0.0476	95.2	80.0-120	

L1843532-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-10 04/10/25 12:10 • (MS) R4197742-4 04/10/25 12:16 • (MSD) R4197742-5 04/10/25 12:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1.00	0.0912	1.07	1.09	97.9	99.5	1	75.0-125			1.44	20
Arsenic,Dissolved	0.0500	0.00340	0.0514	0.0518	96.0	96.8	1	75.0-125			0.758	20
Barium,Dissolved	0.0500	0.110	0.157	0.165	94.3	110	1	75.0-125			4.88	20
Cadmium,Dissolved	0.0500	U	0.0539	0.0544	108	109	1	75.0-125			0.980	20
Chromium,Dissolved	0.0500	U	0.0495	0.0508	99.0	102	1	75.0-125			2.55	20
Copper,Dissolved	0.0500	0.00156	0.0487	0.0492	94.2	95.4	1	75.0-125			1.19	20
Cobalt,Dissolved	0.0500	U	0.0488	0.0505	97.7	101	1	75.0-125			3.35	20
Iron,Dissolved	1.00	0.0492	1.03	1.04	97.8	98.9	1	75.0-125			1.05	20
Lead,Dissolved	0.0500	U	0.0482	0.0480	96.4	96.0	1	75.0-125			0.407	20
Manganese,Dissolved	0.0500	0.00169	0.0493	0.0509	95.1	98.5	1	75.0-125			3.36	20
Molybdenum,Dissolved	0.0500	0.00300	0.0541	0.0543	102	103	1	75.0-125			0.383	20
Nickel,Dissolved	0.0500	U	0.0493	0.0510	98.5	102	1	75.0-125			3.53	20
Selenium,Dissolved	0.0500	0.00136	0.0488	0.0518	94.9	101	1	75.0-125			5.88	20
Silver,Dissolved	0.0500	U	0.0492	0.0504	98.3	101	1	75.0-125			2.45	20
Uranium,Dissolved	0.0500	0.00415	0.0530	0.0548	97.7	101	1	75.0-125			3.44	20
Zinc,Dissolved	0.0500	U	0.0502	0.0485	100	97.0	1	75.0-125			3.41	20

Method Blank (MB)

(MB) R4197988-1 04/10/25 16:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum,Dissolved	U		0.0160	0.100
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	U		0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Iron,Dissolved	U		0.0226	0.100
Lead,Dissolved	U		0.000500	0.00200
Manganese,Dissolved	U		0.000700	0.00500
Molybdenum,Dissolved	U		0.000500	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Zinc,Dissolved	U		0.00400	0.0250

Method Blank (MB)

(MB) R4198039-1 04/10/25 20:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Uranium,Dissolved	U		0.000130	0.00100

Laboratory Control Sample (LCS)

(LCS) R4197988-2 04/10/25 16:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum,Dissolved	1.00	1.05	105	80.0-120	
Arsenic,Dissolved	0.0500	0.0523	105	80.0-120	
Barium,Dissolved	0.0500	0.0523	105	80.0-120	
Cadmium,Dissolved	0.0500	0.0527	105	80.0-120	
Chromium,Dissolved	0.0500	0.0528	106	80.0-120	
Copper,Dissolved	0.0500	0.0552	110	80.0-120	
Cobalt,Dissolved	0.0500	0.0538	108	80.0-120	
Iron,Dissolved	1.00	1.06	106	80.0-120	
Lead,Dissolved	0.0500	0.0525	105	80.0-120	
Manganese,Dissolved	0.0500	0.0568	114	80.0-120	
Molybdenum,Dissolved	0.0500	0.0523	105	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4197988-2 04/10/25 16:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel,Dissolved	0.0500	0.0539	108	80.0-120	
Selenium,Dissolved	0.0500	0.0512	102	80.0-120	
Silver,Dissolved	0.0500	0.0554	111	80.0-120	
Zinc,Dissolved	0.0500	0.0550	110	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4198039-2 04/10/25 20:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium,Dissolved	0.0500	0.0483	96.6	80.0-120	

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/10/25 18:05 • (MS) R4197988-7 04/10/25 18:12 • (MSD) R4197988-8 04/10/25 18:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1.00	U	1.04	1.02	104	102	1	75.0-125			1.67	20
Arsenic,Dissolved	0.0500	0.00365	0.0561	0.0542	105	101	1	75.0-125			3.34	20
Barium,Dissolved	0.0500	0.675	0.742	0.736	133	122	1	75.0-125	V		0.783	20
Cadmium,Dissolved	0.0500	U	0.0503	0.0502	101	100	1	75.0-125			0.204	20
Chromium,Dissolved	0.0500	U	0.0525	0.0510	105	102	1	75.0-125			2.87	20
Copper,Dissolved	0.0500	0.00690	0.0579	0.0591	102	104	1	75.0-125			2.01	20
Cobalt,Dissolved	0.0500	0.000110	0.0527	0.0513	105	102	1	75.0-125			2.82	20
Iron,Dissolved	1.00	1.17	2.21	2.24	104	107	1	75.0-125			1.17	20
Lead,Dissolved	0.0500	0.000873	0.0504	0.0502	99.0	98.7	1	75.0-125			0.276	20
Manganese,Dissolved	0.0500	0.689	0.755	0.739	132	99.4	1	75.0-125	V		2.18	20
Molybdenum,Dissolved	0.0500	0.00237	0.0572	0.0560	110	107	1	75.0-125			2.17	20
Nickel,Dissolved	0.0500	0.00164	0.0527	0.0506	102	98.0	1	75.0-125			4.04	20
Selenium,Dissolved	0.0500	U	0.0511	0.0527	102	105	1	75.0-125			3.05	20
Silver,Dissolved	0.0500	U	0.0547	0.0530	109	106	1	75.0-125			3.14	20
Zinc,Dissolved	0.0500	U	0.0537	0.0530	107	106	1	75.0-125			1.31	20

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/10/25 20:39 • (MS) R4198039-4 04/10/25 20:46 • (MSD) R4198039-5 04/10/25 20:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium,Dissolved	0.0500	0.0651	0.114	0.114	97.9	96.9	1	75.0-125			0.446	20

Method Blank (MB)

(MB) R4199965-1 04/15/25 16:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nickel,Dissolved	U		0.000500	0.00200

Laboratory Control Sample (LCS)

(LCS) R4199965-2 04/15/25 16:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nickel,Dissolved	0.0500	0.0491	98.2	80.0-120	

L1844986-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1844986-05 04/15/25 16:17 • (MS) R4199965-4 04/15/25 16:24 • (MSD) R4199965-5 04/15/25 16:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nickel,Dissolved	0.0500	0.00179	0.0507	0.0504	97.8	97.2	1	75.0-125			0.585	20

Method Blank (MB)

(MB) R4199855-2 04/13/25 23:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*87.9*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4199855-1 04/13/25 22:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.46	89.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*93.9*	*78.0-120*	

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/14/25 00:40 • (MS) R4199855-3 04/14/25 07:36 • (MSD) R4199855-4 04/14/25 07:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	U	1.31	1.64	26.2	32.8	1	10.0-160		J3	22.4	22
(S) a,a,a-Trifluorotoluene(FID)					*81.5*	*89.2*		*78.0-120*				

L1844986-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1844986-05 04/14/25 02:58 • (MS) R4199855-5 04/14/25 08:22 • (MSD) R4199855-6 04/14/25 08:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	U	2.28	1.63	45.6	32.6	1	10.0-160		J3	33.2	22
(S) a,a,a-Trifluorotoluene(FID)					*91.3*	*90.8*		*78.0-120*				

Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4199224-4 04/14/25 09:59

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4199224-2 04/14/25 08:55 • (LCSD) R4199224-3 04/14/25 09:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.53	5.64	111	113	72.0-127			1.97	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*110*	*78.0-120*				

Released to Imaging: 4/17/2026 3:09:37 PM

Method Blank (MB)

(MB) R4196231-2 04/06/25 11:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4196231-2 04/06/25 11:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*96.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4196231-1 04/06/25 10:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0217	86.8	19.0-160	J
Benzene	0.00500	0.00456	91.2	70.0-123	
Bromodichloromethane	0.00500	0.00451	90.2	75.0-120	
Bromoform	0.00500	0.00373	74.6	68.0-132	
Bromomethane	0.00500	0.00272	54.4	10.0-160	J
n-Butylbenzene	0.00500	0.00432	86.4	73.0-125	
sec-Butylbenzene	0.00500	0.00424	84.8	75.0-125	
tert-Butylbenzene	0.00500	0.00382	76.4	76.0-124	
Carbon disulfide	0.00500	0.00648	130	61.0-128	J4
Carbon tetrachloride	0.00500	0.00352	70.4	68.0-126	
Chlorobenzene	0.00500	0.00435	87.0	80.0-121	
Chlorodibromomethane	0.00500	0.00398	79.6	77.0-125	
Chloroethane	0.00500	0.00412	82.4	47.0-150	J
Chloroform	0.00500	0.00465	93.0	73.0-120	J
Chloromethane	0.00500	0.00449	89.8	41.0-142	
1,2-Dibromoethane	0.00500	0.00418	83.6	80.0-122	
1,1-Dichloroethane	0.00500	0.00469	93.8	70.0-126	
1,2-Dichloroethane	0.00500	0.00462	92.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00438	87.6	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00442	88.4	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00447	89.4	73.0-120	
1,2-Dichloropropane	0.00500	0.00429	85.8	77.0-125	
cis-1,3-Dichloropropene	0.00500	0.00430	86.0	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00388	77.6	78.0-124	J4

Laboratory Control Sample (LCS)

(LCS) R4196231-1 04/06/25 10:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.00500	0.00433	86.6	79.0-123	
Hexachloro-1,3-butadiene	0.00500	0.00506	101	54.0-138	
2-Hexanone	0.0250	0.0248	99.2	67.0-149	
Isopropylbenzene	0.00500	0.00440	88.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00445	89.0	76.0-125	
2-Butanone (MEK)	0.0250	0.0270	108	44.0-160	
Methylene Chloride	0.00500	0.00460	92.0	67.0-120	J
4-Methyl-2-pentanone (MIBK)	0.0250	0.0216	86.4	68.0-142	
Methyl tert-butyl ether	0.00500	0.00454	90.8	68.0-125	
Naphthalene	0.00500	0.00408	81.6	54.0-135	J
n-Propylbenzene	0.00500	0.00414	82.8	77.0-124	
Styrene	0.00500	0.00427	85.4	73.0-130	
1,1,2,2-Tetrachloroethane	0.00500	0.00405	81.0	65.0-130	
Tetrachloroethene	0.00500	0.00419	83.8	72.0-132	
Toluene	0.00500	0.00433	86.6	79.0-120	
1,1,1-Trichloroethane	0.00500	0.00423	84.6	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00454	90.8	80.0-120	
Trichloroethene	0.00500	0.00457	91.4	78.0-124	
1,2,4-Trimethylbenzene	0.00500	0.00412	82.4	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00403	80.6	76.0-122	
Vinyl chloride	0.00500	0.00377	75.4	67.0-131	
Xylenes, Total	0.0150	0.0127	84.7	79.0-123	
(S) Toluene-d8			*98.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.2*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*98.3*	*70.0-130*	

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/06/25 18:25 • (MS) R4196231-3 04/06/25 22:51 • (MSD) R4196231-4 04/06/25 23:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	U	U	U	0.000	0.000	1	10.0-160	J6	J6	0.000	35
Benzene	0.00500	0.000144	0.00443	0.00446	85.7	86.3	1	17.0-158			0.675	27
Bromodichloromethane	0.00500	U	0.00423	0.00407	84.6	81.4	1	31.0-150			3.86	27
Bromoform	0.00500	U	0.00350	0.00334	70.0	66.8	1	29.0-150			4.68	29
Bromomethane	0.00500	U	0.00203	0.00226	40.6	45.2	1	10.0-160			10.7	38
n-Butylbenzene	0.00500	U	0.00385	0.00436	77.0	87.2	1	31.0-150			12.4	30
sec-Butylbenzene	0.00500	U	0.00426	0.00446	85.2	89.2	1	33.0-155			4.59	29
tert-Butylbenzene	0.00500	U	0.00409	0.00440	81.8	88.0	1	34.0-153			7.30	28

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/06/25 18:25 • (MS) R4196231-3 04/06/25 22:51 • (MSD) R4196231-4 04/06/25 23:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	0.00500	U	0.00377	0.00389	75.4	77.8	1	10.0-156			3.13	28
Carbon tetrachloride	0.00500	U	0.00354	0.00367	70.8	73.4	1	23.0-159			3.61	28
Chlorobenzene	0.00500	U	0.00396	0.00429	79.2	85.8	1	33.0-152			8.00	27
Chlorodibromomethane	0.00500	U	0.00372	0.00398	74.4	79.6	1	37.0-149			6.75	27
Chloroethane	0.00500	U	0.00338	0.00352	67.6	70.4	1	10.0-160			4.06	30
Chloroform	0.00500	U	0.00449	0.00462	89.8	92.4	1	29.0-154			2.85	28
Chloromethane	0.00500	U	0.00368	0.00370	73.6	74.0	1	10.0-160			0.542	29
1,2-Dibromoethane	0.00500	U	0.00398	0.00415	79.6	83.0	1	34.0-147			4.18	27
1,1-Dichloroethane	0.00500	U	0.00442	0.00471	88.4	94.2	1	25.0-158			6.35	27
1,2-Dichloroethane	0.00500	U	0.00433	0.00430	86.6	86.0	1	29.0-151			0.695	27
1,1-Dichloroethene	0.00500	U	0.00388	0.00423	77.6	84.6	1	11.0-160			8.63	29
cis-1,2-Dichloroethene	0.00500	U	0.00414	0.00427	82.8	85.4	1	10.0-160			3.09	27
trans-1,2-Dichloroethene	0.00500	U	0.00411	0.00416	82.2	83.2	1	17.0-153			1.21	27
1,2-Dichloropropane	0.00500	U	0.00435	0.00436	87.0	87.2	1	30.0-156			0.230	27
cis-1,3-Dichloropropene	0.00500	U	0.00356	0.00348	71.2	69.6	1	34.0-149			2.27	28
trans-1,3-Dichloropropene	0.00500	U	0.00345	0.00338	69.0	67.6	1	32.0-149			2.05	28
Ethylbenzene	0.00500	U	0.00393	0.00429	78.6	85.8	1	30.0-155			8.76	27
Hexachloro-1,3-butadiene	0.00500	U	0.00394	0.00417	78.8	83.4	1	20.0-154			5.67	34
2-Hexanone	0.0250	U	0.0197	0.0210	78.8	84.0	1	21.0-160			6.39	29
Isopropylbenzene	0.00500	U	0.00415	0.00439	83.0	87.8	1	28.0-157			5.62	27
p-Isopropyltoluene	0.00500	U	0.00405	0.00436	81.0	87.2	1	30.0-154			7.37	29
2-Butanone (MEK)	0.0250	U	0.0161	0.0150	64.4	60.0	1	10.0-160			7.07	32
Methylene Chloride	0.00500	U	0.00413	0.00420	82.6	84.0	1	23.0-144			1.68	28
4-Methyl-2-pentanone (MIBK)	0.0250	U	0.0202	0.0209	80.8	83.6	1	29.0-160			3.41	29
Methyl tert-butyl ether	0.00500	U	0.00418	0.00402	83.6	80.4	1	28.0-150			3.90	29
Naphthalene	0.00500	U	0.00311	0.00353	62.2	70.6	1	12.0-156	J	J	12.7	35
n-Propylbenzene	0.00500	U	0.00428	0.00432	85.6	86.4	1	31.0-154			0.930	28
Styrene	0.00500	U	0.00389	0.00406	77.8	81.2	1	33.0-155			4.28	28
1,1,2,2-Tetrachloroethane	0.00500	U	0.00466	0.00460	93.2	92.0	1	33.0-150			1.30	28
Tetrachloroethene	0.00500	U	0.00403	0.00425	80.6	85.0	1	10.0-160			5.31	27
Toluene	0.00500	U	0.00399	0.00438	79.8	87.6	1	26.0-154			9.32	28
1,1,1-Trichloroethane	0.00500	U	0.00430	0.00434	86.0	86.8	1	23.0-160			0.926	28
1,1,2-Trichloroethane	0.00500	U	0.00415	0.00426	83.0	85.2	1	35.0-147			2.62	27
Trichloroethene	0.00500	U	0.00384	0.00395	76.8	79.0	1	10.0-160			2.82	25
1,2,4-Trimethylbenzene	0.00500	U	0.00403	0.00422	80.6	84.4	1	26.0-154			4.61	27
1,3,5-Trimethylbenzene	0.00500	U	0.00412	0.00430	82.4	86.0	1	28.0-153			4.28	27
Vinyl chloride	0.00500	U	0.00274	0.00321	54.8	64.2	1	10.0-160			15.8	27
Xylenes, Total	0.0150	U	0.0118	0.0126	78.7	84.0	1	29.0-154			6.56	28
(S) Toluene-d8					*96.2*	*99.9*		*80.0-120*				
(S) 4-Bromofluorobenzene					*91.1*	*97.0*		*77.0-126*				

Received by OCD: 4/15/2026 4:26:32 PM

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/06/25 18:25 • (MS) R4196231-3 04/06/25 22:51 • (MSD) R4196231-4 04/06/25 23:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 1,2-Dichloroethane-d4					*98.8*	*98.0*		*70.0-130*				

Released to Imaging: 4/17/2026 3:09:37 PM

Method Blank (MB)

(MB) R4198569-3 04/10/25 22:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4198569-3 04/10/25 22:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4198569-1 04/10/25 21:33 • (LCSD) R4198569-2 04/10/25 21:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0222	0.0192	88.8	76.8	19.0-160	J	J	14.5	27
Benzene	0.00500	0.00504	0.00502	101	100	70.0-123			0.398	20
Bromodichloromethane	0.00500	0.00488	0.00496	97.6	99.2	75.0-120			1.63	20
Bromoform	0.00500	0.00484	0.00455	96.8	91.0	68.0-132			6.18	20
Bromomethane	0.00500	0.00502	0.00527	100	105	10.0-160			4.86	25
n-Butylbenzene	0.00500	0.00454	0.00462	90.8	92.4	73.0-125			1.75	20
sec-Butylbenzene	0.00500	0.00491	0.00502	98.2	100	75.0-125			2.22	20
tert-Butylbenzene	0.00500	0.00481	0.00501	96.2	100	76.0-124			4.07	20
Carbon disulfide	0.00500	0.00485	0.00519	97.0	104	61.0-128			6.77	20
Carbon tetrachloride	0.00500	0.00454	0.00471	90.8	94.2	68.0-126			3.68	20
Chlorobenzene	0.00500	0.00564	0.00538	113	108	80.0-121			4.72	20
Chlorodibromomethane	0.00500	0.00480	0.00473	96.0	94.6	77.0-125			1.47	20
Chloroethane	0.00500	0.00514	0.00540	103	108	47.0-150			4.93	20
Chloroform	0.00500	0.00520	0.00494	104	98.8	73.0-120		J	5.13	20
Chloromethane	0.00500	0.00480	0.00503	96.0	101	41.0-142			4.68	20
1,2-Dibromoethane	0.00500	0.00524	0.00510	105	102	80.0-122			2.71	20
1,1-Dichloroethane	0.00500	0.00527	0.00480	105	96.0	70.0-126			9.33	20
1,2-Dichloroethane	0.00500	0.00499	0.00484	99.8	96.8	70.0-128			3.05	20
1,1-Dichloroethene	0.00500	0.00506	0.00539	101	108	71.0-124			6.32	20
cis-1,2-Dichloroethene	0.00500	0.00511	0.00515	102	103	73.0-120			0.780	20
trans-1,2-Dichloroethene	0.00500	0.00535	0.00508	107	102	73.0-120			5.18	20
1,2-Dichloropropane	0.00500	0.00496	0.00465	99.2	93.0	77.0-125			6.45	20
cis-1,3-Dichloropropene	0.00500	0.00434	0.00431	86.8	86.2	80.0-123			0.694	20
trans-1,3-Dichloropropene	0.00500	0.00442	0.00445	88.4	89.0	78.0-124			0.676	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4198569-1 04/10/25 21:33 • (LCSD) R4198569-2 04/10/25 21:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00522	0.00530	104	106	79.0-123			1.52	20
Hexachloro-1,3-butadiene	0.00500	0.00468	0.00511	93.6	102	54.0-138			8.78	20
2-Hexanone	0.0250	0.0243	0.0234	97.2	93.6	67.0-149			3.77	20
Isopropylbenzene	0.00500	0.00509	0.00541	102	108	76.0-127			6.10	20
p-Isopropyltoluene	0.00500	0.00483	0.00503	96.6	101	76.0-125			4.06	20
2-Butanone (MEK)	0.0250	0.0221	0.0213	88.4	85.2	44.0-160			3.69	20
Methylene Chloride	0.00500	0.00503	0.00503	101	101	67.0-120			0.000	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0261	0.0254	104	102	68.0-142			2.72	20
Methyl tert-butyl ether	0.00500	0.00509	0.00513	102	103	68.0-125			0.783	20
Naphthalene	0.00500	0.00465	0.00459	93.0	91.8	54.0-135	J	J	1.30	20
n-Propylbenzene	0.00500	0.00482	0.00485	96.4	97.0	77.0-124			0.620	20
Styrene	0.00500	0.00452	0.00469	90.4	93.8	73.0-130			3.69	20
1,1,2,2-Tetrachloroethane	0.00500	0.00478	0.00554	95.6	111	65.0-130			14.7	20
Tetrachloroethene	0.00500	0.00538	0.00511	108	102	72.0-132			5.15	20
Toluene	0.00500	0.00535	0.00510	107	102	79.0-120			4.78	20
1,1,1-Trichloroethane	0.00500	0.00467	0.00481	93.4	96.2	73.0-124			2.95	20
1,1,2-Trichloroethane	0.00500	0.00533	0.00534	107	107	80.0-120			0.187	20
Trichloroethene	0.00500	0.00549	0.00471	110	94.2	78.0-124			15.3	20
1,2,4-Trimethylbenzene	0.00500	0.00490	0.00505	98.0	101	76.0-121			3.02	20
1,3,5-Trimethylbenzene	0.00500	0.00513	0.00505	103	101	76.0-122			1.57	20
Vinyl chloride	0.00500	0.00490	0.00516	98.0	103	67.0-131			5.17	20
Xylenes, Total	0.0150	0.0161	0.0151	107	101	79.0-123			6.41	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.3*	*99.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.1*	*95.6*	*70.0-130*				

Method Blank (MB)

(MB) R4198905-3 04/13/25 11:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Benzene	U		0.0000941	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon disulfide	U		0.0000962	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
1,2-Dibromoethane	U		0.000126	0.00100
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100

Method Blank (MB)

(MB) R4198905-3 04/13/25 11:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4198905-1 04/13/25 09:29 • (LCSD) R4198905-2 04/13/25 09:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0224	0.0216	89.6	86.4	19.0-160	J	J	3.64	27
Benzene	0.00500	0.00494	0.00506	98.8	101	70.0-123			2.40	20
Bromodichloromethane	0.00500	0.00507	0.00500	101	100	75.0-120			1.39	20
Bromoform	0.00500	0.00452	0.00448	90.4	89.6	68.0-132			0.889	20
Bromomethane	0.00500	0.00462	0.00498	92.4	99.6	10.0-160	J	J	7.50	25
n-Butylbenzene	0.00500	0.00507	0.00509	101	102	73.0-125			0.394	20
sec-Butylbenzene	0.00500	0.00516	0.00516	103	103	75.0-125			0.000	20
tert-Butylbenzene	0.00500	0.00488	0.00484	97.6	96.8	76.0-124			0.823	20
Carbon disulfide	0.00500	0.00502	0.00515	100	103	61.0-128			2.56	20
Carbon tetrachloride	0.00500	0.00493	0.00500	98.6	100	68.0-126			1.41	20
Chlorobenzene	0.00500	0.00498	0.00480	99.6	96.0	80.0-121			3.68	20
Chlorodibromomethane	0.00500	0.00473	0.00465	94.6	93.0	77.0-125			1.71	20
Chloroethane	0.00500	0.00638	0.00722	128	144	47.0-150			12.4	20
Chloroform	0.00500	0.00496	0.00492	99.2	98.4	73.0-120	J	J	0.810	20
Chloromethane	0.00500	0.00472	0.00468	94.4	93.6	41.0-142			0.851	20
1,2-Dibromoethane	0.00500	0.00471	0.00471	94.2	94.2	80.0-122			0.000	20
1,1-Dichloroethane	0.00500	0.00500	0.00510	100	102	70.0-126			1.98	20
1,2-Dichloroethane	0.00500	0.00501	0.00508	100	102	70.0-128			1.39	20
1,1-Dichloroethene	0.00500	0.00502	0.00503	100	101	71.0-124			0.199	20
cis-1,2-Dichloroethene	0.00500	0.00460	0.00433	92.0	86.6	73.0-120			6.05	20
trans-1,2-Dichloroethene	0.00500	0.00481	0.00476	96.2	95.2	73.0-120			1.04	20
1,2-Dichloropropane	0.00500	0.00578	0.00538	116	108	77.0-125			7.17	20
cis-1,3-Dichloropropene	0.00500	0.00395	0.00407	79.0	81.4	80.0-123	J4		2.99	20
trans-1,3-Dichloropropene	0.00500	0.00415	0.00408	83.0	81.6	78.0-124			1.70	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4198905-1 04/13/25 09:29 • (LCSD) R4198905-2 04/13/25 09:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.00500	0.00485	0.00476	97.0	95.2	79.0-123			1.87	20
Hexachloro-1,3-butadiene	0.00500	0.00431	0.00504	86.2	101	54.0-138			15.6	20
2-Hexanone	0.0250	0.0234	0.0228	93.6	91.2	67.0-149			2.60	20
Isopropylbenzene	0.00500	0.00493	0.00484	98.6	96.8	76.0-127			1.84	20
p-Isopropyltoluene	0.00500	0.00478	0.00471	95.6	94.2	76.0-125			1.48	20
2-Butanone (MEK)	0.0250	0.0260	0.0249	104	99.6	44.0-160			4.32	20
Methylene Chloride	0.00500	0.00470	0.00467	94.0	93.4	67.0-120	J	J	0.640	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0270	0.0269	108	108	68.0-142			0.371	20
Methyl tert-butyl ether	0.00500	0.00445	0.00447	89.0	89.4	68.0-125			0.448	20
Naphthalene	0.00500	0.00397	0.00421	79.4	84.2	54.0-135	J	J	5.87	20
n-Propylbenzene	0.00500	0.00480	0.00484	96.0	96.8	77.0-124			0.830	20
Styrene	0.00500	0.00477	0.00475	95.4	95.0	73.0-130			0.420	20
1,1,2,2-Tetrachloroethane	0.00500	0.00486	0.00492	97.2	98.4	65.0-130			1.23	20
Tetrachloroethene	0.00500	0.00465	0.00484	93.0	96.8	72.0-132			4.00	20
Toluene	0.00500	0.00503	0.00502	101	100	79.0-120			0.199	20
1,1,1-Trichloroethane	0.00500	0.00481	0.00491	96.2	98.2	73.0-124			2.06	20
1,1,2-Trichloroethane	0.00500	0.00496	0.00533	99.2	107	80.0-120			7.19	20
Trichloroethene	0.00500	0.00472	0.00448	94.4	89.6	78.0-124			5.22	20
1,2,4-Trimethylbenzene	0.00500	0.00478	0.00488	95.6	97.6	76.0-121			2.07	20
1,3,5-Trimethylbenzene	0.00500	0.00473	0.00480	94.6	96.0	76.0-122			1.47	20
Vinyl chloride	0.00500	0.00614	0.00633	123	127	67.0-131			3.05	20
Xylenes, Total	0.0150	0.0147	0.0144	98.0	96.0	79.0-123			2.06	20
(S) Toluene-d8				*104*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.4*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*98.8*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4197602-1 04/09/25 23:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0605	0.100
(S) o-Terphenyl	*74.5*			*52.0-156*

Laboratory Control Sample (LCS)

(LCS) R4197602-2 04/10/25 00:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.39	92.7	50.0-150	
(S) o-Terphenyl			*89.5*	*52.0-156*	

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/10/25 03:11 • (MS) R4197602-3 04/10/25 00:50 • (MSD) R4197602-4 04/10/25 01:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.43	0.0793	1.44	1.44	95.2	95.2	1	50.0-150			0.000	20
(S) o-Terphenyl					*88.9*	*89.5*		*52.0-156*				

Method Blank (MB)

(MB) R4200756-3 04/12/25 12:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R4200756-3 04/12/25 12:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*17.7*			*10.0-120*
(S) Phenol-d5	*11.2*			*10.0-120*
(S) Nitrobenzene-d5	*53.1*			*10.0-127*
(S) 2-Fluorobiphenyl	*39.1*			*10.0-130*
(S) 2,4,6-Tribromophenol	*34.8*			*10.0-155*
(S) p-Terphenyl-d14	*49.5*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4200756-1 04/12/25 11:59 • (LCSD) R4200756-2 04/12/25 12:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0214	0.0259	42.8	51.8	41.0-120			19.0	22
Acenaphthylene	0.0500	0.0208	0.0257	41.6	51.4	43.0-120	J4		21.1	22
Acetophenone	0.0500	0.0276	0.0345	55.2	69.0	29.0-120			22.2	28
Anthracene	0.0500	0.0244	0.0278	48.8	55.6	45.0-120			13.0	20
Atrazine	0.0500	0.0379	0.0448	75.8	89.6	39.0-141			16.7	20
Benzo(a)anthracene	0.0500	0.0244	0.0275	48.8	55.0	47.0-120			11.9	20
Benzaldehyde	0.0500	0.0521	0.0656	104	131	10.0-160			22.9	40
Benzo(b)fluoranthene	0.0500	0.0239	0.0288	47.8	57.6	46.0-120			18.6	20
Benzo(k)fluoranthene	0.0500	0.0245	0.0280	49.0	56.0	46.0-120			13.3	21
Benzo(g,h,i)perylene	0.0500	0.0202	0.0236	40.4	47.2	48.0-121	J4	J4	15.5	20
Benzo(a)pyrene	0.0500	0.0230	0.0276	46.0	55.2	47.0-120	J4		18.2	20
Biphenyl	0.0500	0.0194	0.0233	38.8	46.6	38.0-120			18.3	27
Bis(2-chlorethoxy)methane	0.0500	0.0211	0.0260	42.2	52.0	33.0-120			20.8	24
Bis(2-chloroethyl)ether	0.0500	0.0217	0.0272	43.4	54.4	23.0-120			22.5	33
2,2-Oxybis(1-Chloropropane)	0.0500	0.0273	0.0332	54.6	66.4	28.0-120			19.5	31
4-Bromophenyl-phenylether	0.0500	0.0249	0.0287	49.8	57.4	45.0-120			14.2	20
2-Chloronaphthalene	0.0500	0.0197	0.0239	39.4	47.8	37.0-120			19.3	25
4-Chlorophenyl-phenylether	0.0500	0.0258	0.0304	51.6	60.8	44.0-120			16.4	20
Caprolactam	0.0500	0.0143	0.0156	28.6	31.2	10.0-120			8.70	26
Carbazole	0.0500	0.0256	0.0296	51.2	59.2	51.0-122			14.5	20
Chrysene	0.0500	0.0234	0.0265	46.8	53.0	48.0-120	J4		12.4	20
Dibenz(a,h)anthracene	0.0500	0.0210	0.0245	42.0	49.0	47.0-120	J4		15.4	20
Dibenzofuran	0.0500	0.0221	0.0266	44.2	53.2	44.0-120			18.5	22
3,3-Dichlorobenzidine	0.100	0.0399	0.0489	39.9	48.9	44.0-120	J4	J3	20.3	20
2,4-Dinitrotoluene	0.0500	0.0306	0.0353	61.2	70.6	49.0-124			14.3	20
2,6-Dinitrotoluene	0.0500	0.0279	0.0326	55.8	65.2	46.0-120			15.5	21
Fluoranthene	0.0500	0.0266	0.0308	53.2	61.6	51.0-120			14.6	20
Fluorene	0.0500	0.0240	0.0278	48.0	55.6	47.0-120			14.7	20
Hexachlorobenzene	0.0500	0.0224	0.0257	44.8	51.4	44.0-120			13.7	20
Hexachloro-1,3-butadiene	0.0500	0.0221	0.0254	44.2	50.8	19.0-120			13.9	32
Hexachlorocyclopentadiene	0.0500	0.00483	0.00969	9.66	19.4	15.0-120	J J4	J J3	66.9	31
Hexachloroethane	0.0500	0.0230	0.0280	46.0	56.0	15.0-120			19.6	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0222	0.0262	44.4	52.4	49.0-122	J4		16.5	20
Isophorone	0.0500	0.0276	0.0331	55.2	66.2	36.0-120			18.1	23
1-Methylnaphthalene	0.0500	0.0221	0.0261	44.2	52.2	33.0-120			16.6	24
2-Methylnaphthalene	0.0500	0.0214	0.0254	42.8	50.8	33.0-120			17.1	25
Naphthalene	0.0500	0.0193	0.0230	38.6	46.0	27.0-120			17.5	27
Nitrobenzene	0.0500	0.0238	0.0286	47.6	57.2	27.0-120			18.3	29
n-Nitrosodiphenylamine	0.0500	0.0221	0.0260	44.2	52.0	47.0-120	J4		16.2	20
n-Nitrosodi-n-propylamine	0.0500	0.0299	0.0363	59.8	72.6	31.0-120			19.3	28

Received by OCD: 4/15/2026 4:26:32 PM

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4200756-1 04/12/25 11:59 • (LCSD) R4200756-2 04/12/25 12:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0500	0.0236	0.0267	47.2	53.4	46.0-120			12.3	20
Benzylbutyl phthalate	0.0500	0.0322	0.0371	64.4	74.2	43.0-121			14.1	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0308	0.0355	61.6	71.0	43.0-122			14.2	20
Di-n-butyl phthalate	0.0500	0.0314	0.0369	62.8	73.8	49.0-121			16.1	20
Diethyl phthalate	0.0500	0.0321	0.0364	64.2	72.8	48.0-122			12.6	20
Dimethyl phthalate	0.0500	0.0275	0.0326	55.0	65.2	48.0-120			17.0	20
Di-n-octyl phthalate	0.0500	0.0310	0.0363	62.0	72.6	42.0-125			15.8	20
Pyrene	0.0500	0.0260	0.0291	52.0	58.2	47.0-120			11.3	20
1,2,4-Trichlorobenzene	0.0500	0.0203	0.0245	40.6	49.0	24.0-120			18.7	29
4-Chloro-3-methylphenol	0.0500	0.0241	0.0292	48.2	58.4	40.0-120			19.1	21
2-Chlorophenol	0.0500	0.0157	0.0202	31.4	40.4	25.0-120			25.1	35
2,4-Dichlorophenol	0.0500	0.0195	0.0242	39.0	48.4	36.0-120			21.5	26
2,4-Dimethylphenol	0.0500	0.0134	0.0171	26.8	34.2	33.0-120	J4		24.3	26
4,6-Dinitro-2-methylphenol	0.0500	0.0341	0.0401	68.2	80.2	38.0-138			16.2	25
2,4-Dinitrophenol	0.0500	0.0284	0.0343	56.8	68.6	10.0-120			18.8	39
2-Nitrophenol	0.0500	0.0231	0.0283	46.2	56.6	31.0-120			20.2	29
2-Nitroaniline	0.0500	0.0254	0.0295	50.8	59.0	43.0-120			14.9	22
2-Methylphenol	0.0500	0.0148	0.0189	29.6	37.8	28.0-120			24.3	29
3&4-Methyl Phenol	0.0500	0.0163	0.0203	32.6	40.6	31.0-120			21.9	30
3-Nitroaniline	0.0500	0.0212	0.0244	42.4	48.8	38.0-120			14.0	21
4-Chloroaniline	0.0500	0.0189	0.0167	37.8	33.4	25.0-120			12.4	25
4-Nitroaniline	0.0500	0.0231	0.0295	46.2	59.0	18.0-160		J3	24.3	21
4-Nitrophenol	0.0500	0.00594	0.0855	11.9	171	10.0-120	J	J3 J4	174	33
Pentachlorophenol	0.0500	0.0109	0.0155	21.8	31.0	23.0-120	J4	J3	34.8	25
Phenol	0.0500	0.00773	0.00883	15.5	17.7	10.0-120	J	J	13.3	36
2,4,5-Trichlorophenol	0.0500	0.0246	0.0300	49.2	60.0	44.0-120			19.8	22
2,4,6-Trichlorophenol	0.0500	0.0219	0.0263	43.8	52.6	42.0-120			18.3	23
(S) 2-Fluorophenol				*21.1*	*23.9*	*10.0-120*				
(S) Phenol-d5				*15.4*	*16.2*	*10.0-120*				
(S) Nitrobenzene-d5				*51.6*	*61.1*	*10.0-127*				
(S) 2-Fluorobiphenyl				*39.8*	*48.8*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*46.3*	*57.5*	*10.0-155*				
(S) p-Terphenyl-d14				*52.1*	*56.2*	*10.0-128*				

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Method Blank (MB)

(MB) R4198603-2 04/11/25 01:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Acetophenone	U		0.000208	0.0100
Anthracene	U		0.0000804	0.00100
Atrazine	U		0.000255	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzaldehyde	U		0.00169	0.0100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Biphenyl	U		0.000790	0.0100
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Caprolactam	U		0.000309	0.0100
Carbazole	U		0.000111	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
Dibenzofuran	U		0.0000970	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
1-Methylnaphthalene	U		0.0000790	0.00100
2-Methylnaphthalene	U		0.000117	0.00100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100

Method Blank (MB)

(MB) R4198603-2 04/11/25 01:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
2-Nitroaniline	U		0.000102	0.0100
2-Methylphenol	U		0.0000929	0.0100
3&4-Methyl Phenol	U		0.000168	0.0100
3-Nitroaniline	U		0.0000869	0.0100
4-Chloroaniline	U		0.000234	0.0100
4-Nitroaniline	U		0.0000910	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,5-Trichlorophenol	U		0.000109	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) 2-Fluorophenol	*23.1*			*10.0-120*
(S) Phenol-d5	*15.6*			*10.0-120*
(S) Nitrobenzene-d5	*49.2*			*10.0-127*
(S) 2-Fluorobiphenyl	*56.6*			*10.0-130*
(S) 2,4,6-Tribromophenol	*45.0*			*10.0-155*
(S) p-Terphenyl-d14	*58.1*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R4198603-1 04/11/25 01:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0247	49.4	41.0-120	
Acenaphthylene	0.0500	0.0272	54.4	43.0-120	
Acetophenone	0.0500	0.0232	46.4	29.0-120	
Anthracene	0.0500	0.0252	50.4	45.0-120	
Atrazine	0.0500	0.0308	61.6	39.0-141	
Benzo(a)anthracene	0.0500	0.0274	54.8	47.0-120	
Benzaldehyde	0.0500	0.0568	114	10.0-160	
Benzo(b)fluoranthene	0.0500	0.0277	55.4	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0268	53.6	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0292	58.4	48.0-121	
Benzo(a)pyrene	0.0500	0.0280	56.0	47.0-120	
Biphenyl	0.0500	0.0242	48.4	38.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0204	40.8	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0222	44.4	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0210	42.0	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0268	53.6	45.0-120	
2-Chloronaphthalene	0.0500	0.0235	47.0	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0259	51.8	44.0-120	
Caprolactam	0.0500	0.00975	19.5	10.0-120	J
Carbazole	0.0500	0.0290	58.0	51.0-122	
Chrysene	0.0500	0.0259	51.8	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0315	63.0	47.0-120	
Dibenzofuran	0.0500	0.0249	49.8	44.0-120	
3,3-Dichlorobenzidine	0.100	0.0472	47.2	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0304	60.8	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0280	56.0	46.0-120	
Fluoranthene	0.0500	0.0304	60.8	51.0-120	
Fluorene	0.0500	0.0248	49.6	47.0-120	
Hexachlorobenzene	0.0500	0.0244	48.8	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0204	40.8	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0137	27.4	15.0-120	
Hexachloroethane	0.0500	0.0213	42.6	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0317	63.4	49.0-122	
Isophorone	0.0500	0.0221	44.2	36.0-120	
1-Methylnaphthalene	0.0500	0.0238	47.6	33.0-120	
2-Methylnaphthalene	0.0500	0.0233	46.6	33.0-120	
Naphthalene	0.0500	0.0212	42.4	27.0-120	
Nitrobenzene	0.0500	0.0216	43.2	27.0-120	
n-Nitrosodiphenylamine	0.0500	0.0253	50.6	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0226	45.2	31.0-120	

Laboratory Control Sample (LCS)

(LCS) R4198603-1 04/11/25 01:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.0500	0.0243	48.6	46.0-120	
Benzylbutyl phthalate	0.0500	0.0271	54.2	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0265	53.0	43.0-122	
Di-n-butyl phthalate	0.0500	0.0305	61.0	49.0-121	
Diethyl phthalate	0.0500	0.0286	57.2	48.0-122	
Dimethyl phthalate	0.0500	0.0280	56.0	48.0-120	
Di-n-octyl phthalate	0.0500	0.0274	54.8	42.0-125	
Pyrene	0.0500	0.0259	51.8	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0223	44.6	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0234	46.8	40.0-120	
2-Chlorophenol	0.0500	0.0184	36.8	25.0-120	
2,4-Dichlorophenol	0.0500	0.0230	46.0	36.0-120	
2,4-Dimethylphenol	0.0500	0.0135	27.0	33.0-120	J4
4,6-Dinitro-2-methylphenol	0.0500	0.0334	66.8	38.0-138	
2,4-Dinitrophenol	0.0500	0.0262	52.4	10.0-120	
2-Nitrophenol	0.0500	0.0243	48.6	31.0-120	
2-Nitroaniline	0.0500	0.0281	56.2	43.0-120	
2-Methylphenol	0.0500	0.0166	33.2	28.0-120	
3&4-Methyl Phenol	0.0500	0.0174	34.8	31.0-120	
3-Nitroaniline	0.0500	0.0250	50.0	38.0-120	
4-Chloroaniline	0.0500	0.0104	20.8	25.0-120	J4
4-Nitroaniline	0.0500	0.0288	57.6	18.0-160	
4-Nitrophenol	0.0500	0.0101	20.2	10.0-120	
Pentachlorophenol	0.0500	0.0119	23.8	23.0-120	
Phenol	0.0500	0.00825	16.5	10.0-120	J
2,4,5-Trichlorophenol	0.0500	0.0271	54.2	44.0-120	
2,4,6-Trichlorophenol	0.0500	0.0254	50.8	42.0-120	
(S) 2-Fluorophenol			*25.4*	*10.0-120*	
(S) Phenol-d5			*17.3*	*10.0-120*	
(S) Nitrobenzene-d5			*44.6*	*10.0-127*	
(S) 2-Fluorobiphenyl			*50.8*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*55.0*	*10.0-155*	
(S) p-Terphenyl-d14			*55.5*	*10.0-128*	

Received by OCD: 4/15/2026 4:26:32 PM

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

L1843532-17,19,20,23,24,25,26,27,28,29,30,31,32

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/11/25 02:50 • (MS) R4198603-3 04/11/25 03:12 • (MSD) R4198603-4 04/11/25 03:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0439	U	0.0209	0.0273	47.6	62.2	1	28.0-120		J3	26.6	25
Acenaphthylene	0.0439	U	0.0227	0.0296	51.7	67.4	1	31.0-121		J3	26.4	25
Acetophenone	0.0439	U	0.0202	0.0261	46.0	59.5	1	20.0-120			25.5	35
Anthracene	0.0439	U	0.0206	0.0249	46.9	56.7	1	36.0-120			18.9	23
Atrazine	0.0439	U	0.0238	0.0290	54.2	66.1	1	39.0-130			19.7	23
Benzo(a)anthracene	0.0439	U	0.0203	0.0244	46.2	55.6	1	39.0-120			18.3	23
Benzaldehyde	0.0439	U	0.0497	0.0640	113	146	1	10.0-160			25.2	40
Benzo(b)fluoranthene	0.0439	U	0.0192	0.0236	43.7	53.8	1	37.0-120			20.6	23
Benzo(k)fluoranthene	0.0439	U	0.0183	0.0228	41.7	51.9	1	37.0-120			21.9	26
Benzo(g,h,i)perylene	0.0439	U	0.0194	0.0229	44.2	52.2	1	37.0-123			16.5	25
Benzo(a)pyrene	0.0439	0.0000900	0.0199	0.0245	45.1	55.6	1	37.0-120			20.7	24
Biphenyl	0.0439	U	0.0203	0.0265	46.2	60.4	1	29.0-120			26.5	33
Bis(2-chlorethoxy)methane	0.0439	U	0.0191	0.0233	43.5	53.1	1	17.0-120			19.8	31
Bis(2-chloroethyl)ether	0.0439	U	0.0188	0.0240	42.8	54.7	1	14.0-120			24.3	33
2,2-Oxybis(1-Chloropropane)	0.0439	U	0.0185	0.0221	42.1	50.3	1	18.0-120			17.7	34
4-Bromophenyl-phenylether	0.0439	U	0.0229	0.0278	52.2	63.3	1	37.0-120			19.3	24
2-Chloronaphthalene	0.0439	U	0.0194	0.0254	44.2	57.9	1	29.0-120			26.8	28
4-Chlorophenyl-phenylether	0.0439	U	0.0218	0.0258	49.7	58.8	1	36.0-120			16.8	23
Caprolactam	0.0439	U	0.00808	0.00981	18.4	22.3	1	10.0-120	J	J	19.3	40
Carbazole	0.0439	U	0.0225	0.0280	51.3	63.8	1	38.0-127		J3	21.8	21
Chrysene	0.0439	U	0.0188	0.0226	42.8	51.5	1	38.0-120			18.4	23
Dibenz(a,h)anthracene	0.0439	U	0.0209	0.0249	47.6	56.7	1	36.0-121			17.5	24
Dibenzofuran	0.0439	U	0.0215	0.0270	49.0	61.5	1	32.0-120			22.7	26
3,3-Dichlorobenzidine	0.0878	U	0.0370	0.0451	42.1	51.4	1	10.0-134			19.7	30
2,4-Dinitrotoluene	0.0439	U	0.0242	0.0316	55.1	72.0	1	39.0-125		J3	26.5	25
2,6-Dinitrotoluene	0.0439	U	0.0227	0.0302	51.7	68.8	1	36.0-120		J3	28.4	27
Fluoranthene	0.0439	U	0.0236	0.0289	53.8	65.8	1	41.0-121			20.2	22
Fluorene	0.0439	U	0.0201	0.0246	45.8	56.0	1	37.0-120			20.1	24
Hexachlorobenzene	0.0439	U	0.0209	0.0251	47.6	57.2	1	35.0-122			18.3	24
Hexachloro-1,3-butadiene	0.0439	U	0.0178	0.0218	40.5	49.7	1	12.0-120			20.2	34
Hexachlorocyclopentadiene	0.0439	U	0.0126	0.0158	28.7	36.0	1	10.0-120			22.5	33
Hexachloroethane	0.0439	U	0.0188	0.0237	42.8	54.0	1	10.0-120			23.1	40
Indeno(1,2,3-cd)pyrene	0.0439	U	0.0206	0.0245	46.9	55.8	1	38.0-125			17.3	24
Isophorone	0.0439	U	0.0191	0.0241	43.5	54.9	1	21.0-120			23.1	27
1-Methylnaphthalene	0.0439	U	0.0201	0.0255	45.8	58.1	1	11.0-120			23.7	27
2-Methylnaphthalene	0.0439	U	0.0199	0.0252	45.3	57.4	1	17.0-120			23.5	28
Naphthalene	0.0439	U	0.0184	0.0231	41.9	52.6	1	10.0-120			22.7	31
Nitrobenzene	0.0439	U	0.0181	0.0230	41.2	52.4	1	12.0-120			23.8	30
n-Nitrosodiphenylamine	0.0439	U	0.0214	0.0263	48.7	59.9	1	37.0-120			20.5	24
n-Nitrosodi-n-propylamine	0.0439	U	0.0196	0.0259	44.6	59.0	1	16.0-120			27.7	30

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 4/17/2026 3:09:37 PM

Received by OCD: 4/15/2026 4:26:32 PM

L1843532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1843532-25 04/11/25 02:50 • (MS) R4198603-3 04/11/25 03:12 • (MSD) R4198603-4 04/11/25 03:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0439	U	0.0201	0.0244	45.8	55.6	1	33.0-120			19.3	22
Benzylbutyl phthalate	0.0439	U	0.0211	0.0257	48.1	58.5	1	34.0-126			19.7	24
Bis(2-ethylhexyl)phthalate	0.0439	U	0.0172	0.0210	39.2	47.8	1	33.0-126			19.9	25
Di-n-butyl phthalate	0.0439	U	0.0238	0.0290	54.2	66.1	1	35.0-128			19.7	23
Diethyl phthalate	0.0439	U	0.0233	0.0258	53.1	58.8	1	39.0-125			10.2	24
Dimethyl phthalate	0.0439	U	0.0218	0.0274	49.7	62.4	1	37.0-120			22.8	24
Di-n-octyl phthalate	0.0439	U	0.0177	0.0218	40.3	49.7	1	25.0-135			20.8	26
Pyrene	0.0439	U	0.0190	0.0225	43.3	51.3	1	39.0-120			16.9	22
1,2,4-Trichlorobenzene	0.0439	U	0.0193	0.0236	44.0	53.8	1	15.0-120			20.0	31
4-Chloro-3-methylphenol	0.0439	U	0.0191	0.0241	43.5	54.9	1	26.0-120			23.1	27
2-Chlorophenol	0.0439	U	0.0155	0.0208	35.3	47.4	1	18.0-120			29.2	34
2,4-Dichlorophenol	0.0439	U	0.0197	0.0252	44.9	57.4	1	19.0-120			24.5	27
2,4-Dimethylphenol	0.0439	U	0.0112	0.0175	25.5	39.9	1	15.0-120		J3	43.9	28
4,6-Dinitro-2-methylphenol	0.0439	U	0.0275	0.0341	62.6	77.7	1	10.0-144			21.4	39
2,4-Dinitrophenol	0.0439	U	0.0231	0.0321	52.6	73.1	1	10.0-120			32.6	40
2-Nitrophenol	0.0439	U	0.0219	0.0270	49.9	61.5	1	20.0-120			20.9	30
2-Nitroaniline	0.0439	U	0.0226	0.0283	51.5	64.5	1	33.0-120			22.4	27
2-Methylphenol	0.0439	U	0.0139	0.0191	31.7	43.5	1	10.0-120		J3	31.5	30
3&4-Methyl Phenol	0.0439	U	0.0148	0.0206	33.7	46.9	1	10.0-120			32.8	36
3-Nitroaniline	0.0439	U	0.0192	0.0253	43.7	57.6	1	20.0-120		J3	27.4	27
4-Chloroaniline	0.0439	U	0.00796	0.0109	18.1	24.8	1	10.0-120	J	J3	31.2	31
4-Nitroaniline	0.0439	U	0.0217	0.0272	49.4	62.0	1	10.0-160			22.5	26
4-Nitrophenol	0.0439	U	0.00791	0.0110	18.0	25.1	1	10.0-120	J		32.7	40
Pentachlorophenol	0.0439	U	0.0151	0.0198	34.4	45.1	1	10.0-128			26.9	37
Phenol	0.0439	U	0.00777	0.00996	17.7	22.7	1	10.0-120	J	J	24.7	40
2,4,5-Trichlorophenol	0.0439	U	0.0228	0.0294	51.9	67.0	1	33.0-120			25.3	31
2,4,6-Trichlorophenol	0.0439	U	0.0219	0.0282	49.9	64.2	1	26.0-120			25.1	31
(S) 2-Fluorophenol					*27.4*	*34.9*		*10.0-120*				
(S) Phenol-d5					*18.8*	*23.2*		*10.0-120*				
(S) Nitrobenzene-d5					*44.1*	*53.5*		*10.0-127*				
(S) 2-Fluorobiphenyl					*47.3*	*62.3*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*54.6*	*68.2*		*10.0-155*				
(S) p-Terphenyl-d14					*46.5*	*55.6*		*10.0-128*				

Released to Imaging: 4/17/2026 3:09:37 PM

Method Blank (MB)

(MB) R4200735-3 04/16/25 12:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
(S) 2-Fluorophenol	*18.2*			*10.0-120*
(S) Phenol-d5	*13.1*			*10.0-120*
(S) Nitrobenzene-d5	*44.4*			*10.0-127*
(S) 2-Fluorobiphenyl	*49.1*			*10.0-130*
(S) 2,4,6-Tribromophenol	*41.1*			*10.0-155*
(S) p-Terphenyl-d14	*45.7*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4200735-1 04/16/25 12:12 • (LCSD) R4200735-2 04/16/25 12:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bis(2-ethylhexyl)phthalate	0.0500	0.0287	0.0240	57.4	48.0	43.0-122			17.8	20
(S) 2-Fluorophenol				*21.7*	*20.9*	*10.0-120*				
(S) Phenol-d5				*18.4*	*15.5*	*10.0-120*				
(S) Nitrobenzene-d5				*45.1*	*44.5*	*10.0-127*				
(S) 2-Fluorobiphenyl				*56.2*	*53.0*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*61.5*	*55.0*	*10.0-155*				
(S) p-Terphenyl-d14				*56.2*	*47.4*	*10.0-128*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Received by OCD: 4/15/2026 4:26:32 PM

Company Name/Address:
TRC Solutions - Austin, TX

505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to: **Julie Speer 512-684-3176**

Email To: **jspeer@trccompanies.com;aeljuri@trccompanie**

Project Description: **Lovington Lea Refinery**

City/State Collected: **Lovington, NM**

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # **584880.0000.0000**

Lab Project # **TRCATX-LOVINGTON NAV**

Collected by (print): **Greg Scherbenske - HMT Texas**

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1643532

Table #

Acctnum: **TRCATX**
Template: **T250273**
Prelogin: **P1138225**
PM: **526 - Chris McCord**
PB: **03/12/25 cg**

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-8T	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-1	Grab	GW		4/3/25	1035	7	X				X	X	X	X		-01
MW-2		GW			1020	9	X	X			X	X	X	X	(limited bottles provided)	-02
~~MW-4~~		GW				9	X	X			X	X	X	X	(not sampled; DRY)	
MW-5		GW			900	13	X	X	X	X	X	X	X	X		-03
MW-6		GW			925	9	X	X			X	X	X	X		-04
MW-8		GW			1025	7	X				X	X	X	X		-05
MW-9		GW			1140	1	X									-06
MW-10		GW			1100	1	X									-07
MW-11R		GW			845	9	X	X			X	X	X	X		-08
MW-13R		GW			945	9	X	X			X	X	X	X		-09

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 425709359755

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	4/3/25	1300			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 1.5 1.0 4.2 1.9	Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Christopher L. Gallin	Date: 4/4/25	Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Released to Imaging: 4/17/2026 3:09:37 PM

Received by OCD: 4/15/2026 4:26:32 PM

TRC Solutions - Austin, TX

505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to: Julie Speer 512-684-3176

Email To: jspeer@trccompanies.com;aeljuri@trccompanie

Project Description: Lovington Lea Refinery

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # 584880.0000.0000

Lab Project # TRCATX-LOVINGTON NAV

Collected by (print): Greg Scherbenske - HMI Petro

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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SDG # L1543532

Table #

Acctnum: TRCATX

Template: T250273

Prelogin: P1138225

PM: 526 - Chris McCord

PB: 03/12/25

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl			Remarks	Sample # (lab only)
MW-14R	Grab	GW		4/3/25	1035	9	X	X			X	X	X	X				-10
MW-15R		GW			950	9	X	X			X	X	X	X				-11
MW-16R		GW			950	9	X	X			X	X	X	X				-12
MW-18R		GW			925	9	X	X			X	X	X	X				-13
MW-19R		GW			935	9	X	X			X	X	X	X				-14
MW-20R		GW			1020	9	X	X			X	X	X	X				-15
~~MW-22~~		GW				~~13~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	Not Sampled, DRY			
MW-23R		GW			1105	2	X						X					-16
MW-24R		GW			1145	9	X	X			X	X	X	X				-17
MW-26R		GW			910	1	X											-18

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:			
Relinquished by : (Signature)	4/3/25	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5 °C Bottles Received: 10.4.19	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Christy Gollin	Date: 4/4/25 Time: 0800	Hold: Condition: NCF / OK

Released to Imaging: 4/17/2026 3:09:37 PM

Received by OCD: 4/15/2026 4:26:32 PM

Company Name/Address:

TRC Solutions - Austin, TX

505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to: Julie Speer 512-684-3176

Email To: jspeer@trccompanies.com;aeljuri@trccompanie

Project Description: Lovington Lea Refinery

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # 584880.0000.0000

Lab Project # TRCATX-LOVINGTON NAV

Collected by (print): Greg Scherbenske - HUF

Site/Facility ID #

P.O. #

Collected by (signature): [signature] Remm

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl			Remarks	Sample # (lab only)
MW-28R	Grab	GW		4/3/25	915	9	X	X			X	X	X	X				-19
MW-29R	↓	GW		↓	1050	9	X	X			X	X	X	X				-20

Chain of Custody Page ___ of ___

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SDG # L1643532

Table #

Acctnum: TRCATX

Template: T250273

Prelogin: P1138225

PM: 526 - Chris McCord

PB: 03/12/25 CG

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature) [signature]	4/3/25	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5+0.4=1.9 °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Christopher L. Gallin	Date: 4/4/25 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Released to Imaging: 4/17/2026 3:09:37 PM

Company Name/Address:
TRC Solutions - Austin, TX
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to:
Julie Speer 512-684-3176

Email To:
jspeer@trccompanies.com;aeljuri@trccompanie

Project Description:
Lovington Lea Refinery

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
584880.0000.0000

Lab Project #
TRCATX-LOVINGTON NAV

Collected by (print):
Greg Scherbinske - HMC

Site/Facility ID #

P.O. #

Collected by (signature):

Quote #

Immediately Packed on Ice N___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Chain of Custody Page 4 of 5

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SDG # L1543532

Table #

Acctnum: TRCATX
Template: T271119
Prelogin: P1141923
PM: 526 - Chris McCord
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk		Remarks	Sample # (lab only)
MW-3	Grab	GW		4/3/25	955	1	X											-22
~~MW-11R~~ COS		GW				9	X	X			X	X	X	X				-23
MW-12R2		GW			1055	9	X	X			X	X	X	X				-24
~~MW-30~~		GW				9	X	X			X	X	X	X	NOT SAMPLED, DRY			-
MW-32		GW			1025	13	X	X	X	X	X	X	X	X				-25
MW-33		GW			900	32	X	X	X	X	X	X	X	X	(MS/MSD) VOLUME PROVIDED			-26
~~WW-NORTH~~		GW				13	X	X	X	X	X	X	X	X	↳ NO TDS/NO3/NO2/SO4			
WW-SOUTH		GW			900	13	X	X	X	X	X	X	X	X	(NOT SAMPLED)			-27
WW-EAST		GW			950	13	X	X	X	X	X	X	X	X				-28
DUP-01		GW			1000	13	X	X	X	X	X	X	X	X				-29

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:			
Relinquished by: (Signature)	4/3/25	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5 °C 0.4 1.9	Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Christopher Gallin	Date: 4/4/25	Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
TRC Solutions - Austin, TX

505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to:
Julie Speer 512-684-3176

Email To:
jspeer@trccompanies.com;aeljuri@trccompanie

Project Description:
Lovington Lea Refinery

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
584880.0000.0000

Lab Project #
TRCATX-LOVINGTON NAV

Collected by (print):
Greg Scherbarth - Hall Texas

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk			
DUP-02	Grab	GW		4/3/25	1000	13	X	X	X	X	X	X	X	X				-29
DUP-03		GW			930	13	X	X	X	X	X	X	X	X				-30
EB-01		GW			905	11		X	X	X	X	X		X				-31
EB-02		GW			1120	11		X	X	X	X	X		X				-32
		GW				13	X	X	X	X	X	X	X	X				
		GW				13	X	X	X	X	X	X	X	X				
TRIP BLANK-01		GW			—	1									X			-33
TRIP BLANK-02		GW			—	1									X			-34

Chain of Custody Page 5 of 5

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1843532

Table #

Acctnum: TRCATX
Template: T271119
Prelogin: P1141923
PM: 526 - Chris McCord
PB:

Shipped Via:

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __ NP ✓ Y __ N
COC Signed/Accurate: ✓ Y __ N
Bottles arrive intact: ✓ Y __ N
Correct bottles used: ✓ Y __ N
Sufficient volume sent: ✓ Y __ N
If Applicable
VOA Zero Headspace: __ Y __ N
Preservation Correct/Checked: ✓ Y __ N
RAD Screen <0.5 mR/hr: ✓ Y __ N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	4/3/25	1300			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5+0.1 °C	Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Christopher L. Gallin	Date: 4/4/25	Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

DC#_Title: Excel Form Template

Effective Date:

Multiple Parcel Form

L# LF843532

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
4257 0935 9755		3.4	0.4	3.8	Yes / No / Not Present
4439 2443 7600		3.3	0.4	3.7	Yes / No / Not Present
4257 0935 9766		2.1	0.4	2.5	Yes / No / Not Present
4439 2443 7596		0.5	0.4	0.9	Yes / No / Not Present
4439 2443 7574		0.9	0.4	1.3	Yes / No / Not Present
4439 2443 7585					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Name

Date

Pace Analytical®

ANALYTICAL REPORT

August 26, 2025

TRC Solutions - Austin, TX

Sample Delivery Group:	L1884056
Samples Received:	08/01/2025
Project Number:	648909.0000.0000
Description:	Lovington Lea Refinery

Report To: Julie Speer
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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WW-SOUTH L1884056-01

Collected by: Bryan Bayles | Collected date/time: 07/31/25 12:10 | Received date/time: 08/01/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2573763	1	08/06/25 08:43	08/07/25 10:51	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2570983	1	08/01/25 23:34	08/01/25 23:34	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2570983	5	08/01/25 23:46	08/01/25 23:46	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2571798	1	08/05/25 11:17	08/05/25 21:18	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2572367	1	08/05/25 12:53	08/06/25 05:04	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2572379	1	08/05/25 19:39	08/24/25 12:11	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2571669	1	08/02/25 16:48	08/02/25 16:48	CDD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2571875	1	08/03/25 06:13	08/03/25 06:13	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2574078	1	08/06/25 21:06	08/07/25 22:12	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2576898	1	08/06/25 01:39	08/13/25 13:48	EPF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2576898	1	08/06/25 01:39	08/17/25 04:03	JCH	Mt. Juliet, TN

WW-EAST L1884056-02

Collected by: Bryan Bayles | Collected date/time: 07/31/25 12:50 | Received date/time: 08/01/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2573763	1	08/06/25 08:43	08/07/25 10:51	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2570983	1	08/01/25 23:59	08/01/25 23:59	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2571798	1	08/05/25 11:17	08/05/25 21:21	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2572367	1	08/05/25 12:53	08/06/25 05:23	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2572379	1	08/05/25 19:39	08/21/25 23:07	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2571688	1	08/02/25 11:55	08/02/25 11:55	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2571875	1	08/03/25 06:33	08/03/25 06:33	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2574078	1	08/06/25 21:06	08/07/25 22:32	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2577316	1	08/05/25 21:03	08/13/25 14:10	EPF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2577316	1	08/05/25 21:03	08/17/25 04:24	JCH	Mt. Juliet, TN

DUP-01 L1884056-03

Collected by: Bryan Bayles | Collected date/time: 07/31/25 13:00 | Received date/time: 08/01/25 09:00

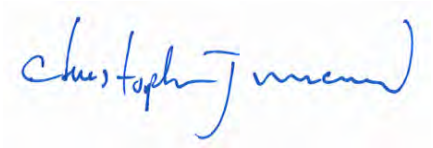
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2573763	1	08/06/25 08:43	08/07/25 10:51	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2570983	1	08/02/25 00:25	08/02/25 00:25	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2570983	5	08/02/25 00:37	08/02/25 00:37	DLH	Mt. Juliet, TN
Mercury by Method 7470A	WG2571798	1	08/05/25 11:17	08/05/25 21:28	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2572367	1	08/05/25 12:53	08/06/25 05:25	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2572379	1	08/05/25 19:39	08/24/25 12:14	JDB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2571688	1	08/02/25 12:16	08/02/25 12:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2571875	1	08/03/25 06:54	08/03/25 06:54	WHS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2574078	1	08/06/25 21:06	08/07/25 22:52	KKS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2577316	1	08/05/25 21:03	08/13/25 14:32	EPF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2577316	1	08/05/25 21:03	08/17/25 04:46	JCH	Mt. Juliet, TN

TRIP BLANK L1884056-04

Collected by: Bryan Bayles | Collected date/time: 07/31/25 00:00 | Received date/time: 08/01/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2572147	1	08/03/25 11:35	08/03/25 11:35	JHH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	932		20.0	1	08/07/2025 10:51	WG2573763

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	270		2.74	5.00	5	08/01/2025 23:46	WG2570983
Fluoride	0.690		0.0761	0.150	1	08/01/2025 23:34	WG2570983
Nitrate as (N)	2.98		0.0884	0.100	1	08/01/2025 23:34	WG2570983
Nitrite as (N)	U		0.0794	0.100	1	08/01/2025 23:34	WG2570983
Sulfate	87.1		0.637	5.00	1	08/01/2025 23:34	WG2570983

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	08/05/2025 21:18	WG2571798

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.172	J	0.0232	0.200	1	08/06/2025 05:04	WG2572367

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	08/24/2025 12:11	WG2572379
Arsenic,Dissolved	0.00481		0.000120	0.00200	1	08/24/2025 12:11	WG2572379
Barium,Dissolved	0.0963		0.000500	0.00200	1	08/24/2025 12:11	WG2572379
Cadmium,Dissolved	U		0.000120	0.00100	1	08/24/2025 12:11	WG2572379
Chromium,Dissolved	0.00132	J	0.000900	0.00200	1	08/24/2025 12:11	WG2572379
Copper,Dissolved	0.00122	J	0.000700	0.00500	1	08/24/2025 12:11	WG2572379
Cobalt,Dissolved	U		0.000100	0.00200	1	08/24/2025 12:11	WG2572379
Iron,Dissolved	U		0.0226	0.100	1	08/24/2025 12:11	WG2572379
Lead,Dissolved	U		0.000500	0.00200	1	08/24/2025 12:11	WG2572379
Manganese,Dissolved	0.00198	J	0.000700	0.00500	1	08/24/2025 12:11	WG2572379
Molybdenum,Dissolved	0.00213	J	0.000500	0.00500	1	08/24/2025 12:11	WG2572379
Nickel,Dissolved	0.00303		0.000500	0.00200	1	08/24/2025 12:11	WG2572379
Selenium,Dissolved	0.00383		0.000250	0.00200	1	08/24/2025 12:11	WG2572379
Silver,Dissolved	U		0.000110	0.00200	1	08/24/2025 12:11	WG2572379
Uranium,Dissolved	0.00194		0.000130	0.00100	1	08/24/2025 12:11	WG2572379
Zinc,Dissolved	0.0319		0.00400	0.0250	1	08/24/2025 12:11	WG2572379

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	08/02/2025 16:48	WG2571669
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*78.0-120*		*08/02/2025 16:48*	WG2571669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	C3 J3	0.0469	0.0500	1	08/03/2025 06:13	WG2571875
Benzene	U		0.000320	0.00100	1	08/03/2025 06:13	WG2571875
Bromodichloromethane	U		0.000371	0.00100	1	08/03/2025 06:13	WG2571875
Bromoform	U		0.000548	0.00100	1	08/03/2025 06:13	WG2571875
Bromomethane	U		0.00485	0.00500	1	08/03/2025 06:13	WG2571875
n-Butylbenzene	U		0.000516	0.00100	1	08/03/2025 06:13	WG2571875
sec-Butylbenzene	U		0.000355	0.00100	1	08/03/2025 06:13	WG2571875
tert-Butylbenzene	U		0.000314	0.00100	1	08/03/2025 06:13	WG2571875
Carbon disulfide	U		0.000510	0.00100	1	08/03/2025 06:13	WG2571875
Carbon tetrachloride	0.000415	J	0.000360	0.00100	1	08/03/2025 06:13	WG2571875
Chlorobenzene	U		0.000266	0.00100	1	08/03/2025 06:13	WG2571875
Chlorodibromomethane	U		0.000398	0.00100	1	08/03/2025 06:13	WG2571875
Chloroethane	U		0.00279	0.00500	1	08/03/2025 06:13	WG2571875
Chloroform	U		0.00128	0.00500	1	08/03/2025 06:13	WG2571875
Chloromethane	U		0.00170	0.00500	1	08/03/2025 06:13	WG2571875
1,2-Dibromoethane	U		0.000341	0.00100	1	08/03/2025 06:13	WG2571875
1,1-Dichloroethane	U		0.000389	0.00100	1	08/03/2025 06:13	WG2571875
1,2-Dichloroethane	U		0.000395	0.00100	1	08/03/2025 06:13	WG2571875
1,1-Dichloroethene	U		0.000422	0.00100	1	08/03/2025 06:13	WG2571875
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	08/03/2025 06:13	WG2571875
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	08/03/2025 06:13	WG2571875
1,2-Dichloropropane	U		0.000427	0.00100	1	08/03/2025 06:13	WG2571875
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	08/03/2025 06:13	WG2571875
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	08/03/2025 06:13	WG2571875
Ethylbenzene	U		0.000234	0.00100	1	08/03/2025 06:13	WG2571875
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	08/03/2025 06:13	WG2571875
2-Hexanone	U		0.00580	0.0200	1	08/03/2025 06:13	WG2571875
Isopropylbenzene	U		0.000105	0.00100	1	08/03/2025 06:13	WG2571875
p-Isopropyltoluene	U		0.000345	0.00100	1	08/03/2025 06:13	WG2571875
2-Butanone (MEK)	U		0.00900	0.0200	1	08/03/2025 06:13	WG2571875
Methylene Chloride	U		0.00148	0.00500	1	08/03/2025 06:13	WG2571875
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	08/03/2025 06:13	WG2571875
Methyl tert-butyl ether	U		0.000357	0.00100	1	08/03/2025 06:13	WG2571875
Naphthalene	U	C3	0.00264	0.00500	1	08/03/2025 06:13	WG2571875
n-Propylbenzene	U		0.000239	0.00100	1	08/03/2025 06:13	WG2571875
Styrene	U		0.000342	0.00100	1	08/03/2025 06:13	WG2571875
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	08/03/2025 06:13	WG2571875
Tetrachloroethene	U		0.000358	0.00100	1	08/03/2025 06:13	WG2571875
Toluene	U		0.000274	0.00100	1	08/03/2025 06:13	WG2571875
1,1,1-Trichloroethane	U		0.000336	0.00100	1	08/03/2025 06:13	WG2571875
1,1,2-Trichloroethane	U		0.000375	0.00100	1	08/03/2025 06:13	WG2571875
Trichloroethene	U		0.000383	0.00100	1	08/03/2025 06:13	WG2571875
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	08/03/2025 06:13	WG2571875
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	08/03/2025 06:13	WG2571875
Vinyl chloride	U		0.000458	0.00100	1	08/03/2025 06:13	WG2571875
Xylenes, Total	U		0.000319	0.00300	1	08/03/2025 06:13	WG2571875
(S) Toluene-d8	*93.6*			*80.0-120*		*08/03/2025 06:13*	WG2571875
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*08/03/2025 06:13*	WG2571875
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*08/03/2025 06:13*	WG2571875

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0687	J	0.0605	0.100	1	08/07/2025 22:12	WG2574078
(S) o-Terphenyl	*107*			*52.0-156*		*08/07/2025 22:12*	WG2574078

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	08/13/2025 13:48	WG2576898
Acenaphthylene	U		0.000265	0.00100	1	08/13/2025 13:48	WG2576898
Acetophenone	U		0.00205	0.0100	1	08/13/2025 13:48	WG2576898
Anthracene	U		0.000196	0.00100	1	08/13/2025 13:48	WG2576898
Atrazine	U		0.00244	0.0100	1	08/13/2025 13:48	WG2576898
Benzo(a)anthracene	U		0.000234	0.00100	1	08/13/2025 13:48	WG2576898
Benzaldehyde	U		0.00866	0.0100	1	08/13/2025 13:48	WG2576898
Benzo(b)fluoranthene	U		0.000280	0.00100	1	08/13/2025 13:48	WG2576898
Benzo(k)fluoranthene	U		0.000247	0.00100	1	08/13/2025 13:48	WG2576898
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	08/13/2025 13:48	WG2576898
Benzo(a)pyrene	U		0.000128	0.000200	1	08/13/2025 13:48	WG2576898
Biphenyl	U		0.00274	0.0100	1	08/13/2025 13:48	WG2576898
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	08/13/2025 13:48	WG2576898
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	08/13/2025 13:48	WG2576898
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	08/13/2025 13:48	WG2576898
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	08/13/2025 13:48	WG2576898
2-Chloronaphthalene	U		0.000259	0.00100	1	08/13/2025 13:48	WG2576898
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	08/13/2025 13:48	WG2576898
Caprolactam	U		0.000736	0.0100	1	08/13/2025 13:48	WG2576898
Carbazole	U		0.00211	0.0100	1	08/13/2025 13:48	WG2576898
Chrysene	U		0.000279	0.00100	1	08/13/2025 13:48	WG2576898
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	08/13/2025 13:48	WG2576898
Dibenzofuran	U		0.00251	0.0100	1	08/13/2025 13:48	WG2576898
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	08/13/2025 13:48	WG2576898
2,4-Dinitrotoluene	U		0.00187	0.0100	1	08/13/2025 13:48	WG2576898
2,6-Dinitrotoluene	U		0.00186	0.0100	1	08/13/2025 13:48	WG2576898
Fluoranthene	U		0.000229	0.00100	1	08/13/2025 13:48	WG2576898
Fluorene	U		0.000277	0.00100	1	08/13/2025 13:48	WG2576898
Hexachlorobenzene	U		0.000259	0.00100	1	08/13/2025 13:48	WG2576898
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	08/13/2025 13:48	WG2576898
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	08/13/2025 13:48	WG2576898
Hexachloroethane	U		0.00215	0.0100	1	08/13/2025 13:48	WG2576898
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	08/13/2025 13:48	WG2576898
Isophorone	U		0.00172	0.0100	1	08/13/2025 13:48	WG2576898
1-Methylnaphthalene	U		0.000245	0.00100	1	08/13/2025 13:48	WG2576898
2-Methylnaphthalene	U		0.000276	0.00100	1	08/13/2025 13:48	WG2576898
Naphthalene	U		0.000678	0.00100	1	08/13/2025 13:48	WG2576898
Nitrobenzene	U		0.00197	0.0100	1	08/13/2025 13:48	WG2576898
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	08/13/2025 13:48	WG2576898
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	08/13/2025 13:48	WG2576898
Phenanthrene	U		0.000219	0.00100	1	08/13/2025 13:48	WG2576898
Benzylbutyl phthalate	U		0.00113	0.00300	1	08/13/2025 13:48	WG2576898
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	08/13/2025 13:48	WG2576898
Di-n-butyl phthalate	U		0.000794	0.00300	1	08/13/2025 13:48	WG2576898
Diethyl phthalate	U		0.000861	0.00300	1	08/13/2025 13:48	WG2576898
Dimethyl phthalate	U		0.000772	0.00300	1	08/13/2025 13:48	WG2576898
Di-n-octyl phthalate	U		0.00133	0.00300	1	08/13/2025 13:48	WG2576898
Pyrene	U		0.000259	0.00100	1	08/13/2025 13:48	WG2576898
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	08/13/2025 13:48	WG2576898
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	08/13/2025 13:48	WG2576898
2-Chlorophenol	U		0.00211	0.0100	1	08/13/2025 13:48	WG2576898
2,4-Dichlorophenol	U		0.00241	0.0100	1	08/13/2025 13:48	WG2576898
2,4-Dimethylphenol	U		0.00433	0.0100	1	08/13/2025 13:48	WG2576898
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	08/13/2025 13:48	WG2576898
2,4-Dinitrophenol	U		0.00571	0.0100	1	08/13/2025 13:48	WG2576898
2-Nitrophenol	U		0.00260	0.0100	1	08/13/2025 13:48	WG2576898

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.00236	0.0100	1	08/13/2025 13:48	WG2576898
2-Methylphenol	U		0.00170	0.0100	1	08/13/2025 13:48	WG2576898
3&4-Methyl Phenol	U		0.00154	0.0100	1	08/13/2025 13:48	WG2576898
3-Nitroaniline	U		0.00120	0.0100	1	08/13/2025 13:48	WG2576898
4-Chloroaniline	U		0.00506	0.0100	1	08/13/2025 13:48	WG2576898
4-Nitroaniline	U		0.00211	0.0100	1	08/13/2025 13:48	WG2576898
4-Nitrophenol	U	J4	0.00755	0.0100	1	08/17/2025 04:03	WG2576898
Pentachlorophenol	U		0.000708	0.0100	1	08/13/2025 13:48	WG2576898
Phenol	U		0.000757	0.0100	1	08/13/2025 13:48	WG2576898
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	08/13/2025 13:48	WG2576898
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	08/13/2025 13:48	WG2576898
(S) 2-Fluorophenol	*44.0*			*10.0-120*		*08/17/2025 04:03*	WG2576898
(S) 2-Fluorophenol	*65.8*			*10.0-120*		*08/13/2025 13:48*	WG2576898
(S) Phenol-d5	*26.5*			*10.0-120*		*08/17/2025 04:03*	WG2576898
(S) Phenol-d5	*29.5*			*10.0-120*		*08/13/2025 13:48*	WG2576898
(S) Nitrobenzene-d5	*64.5*			*10.0-127*		*08/17/2025 04:03*	WG2576898
(S) Nitrobenzene-d5	*89.3*			*10.0-127*		*08/13/2025 13:48*	WG2576898
(S) 2-Fluorobiphenyl	*66.2*			*10.0-130*		*08/13/2025 13:48*	WG2576898
(S) 2-Fluorobiphenyl	*60.5*			*10.0-130*		*08/17/2025 04:03*	WG2576898
(S) 2,4,6-Tribromophenol	*53.5*			*10.0-155*		*08/17/2025 04:03*	WG2576898
(S) 2,4,6-Tribromophenol	*53.6*			*10.0-155*		*08/13/2025 13:48*	WG2576898
(S) p-Terphenyl-d14	*67.9*			*10.0-128*		*08/17/2025 04:03*	WG2576898
(S) p-Terphenyl-d14	*62.2*			*10.0-128*		*08/13/2025 13:48*	WG2576898

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	486		10.0	1	08/07/2025 10:51	WG2573763

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	94.3		0.547	1.00	1	08/01/2025 23:59	WG2570983
Fluoride	0.898		0.0761	0.150	1	08/01/2025 23:59	WG2570983
Nitrate as (N)	2.68		0.0884	0.100	1	08/01/2025 23:59	WG2570983
Nitrite as (N)	U		0.0794	0.100	1	08/01/2025 23:59	WG2570983
Sulfate	84.9		0.637	5.00	1	08/01/2025 23:59	WG2570983

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	08/05/2025 21:21	WG2571798

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.143	J	0.0232	0.200	1	08/06/2025 05:23	WG2572367

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	08/21/2025 23:07	WG2572379
Arsenic,Dissolved	0.00545		0.000120	0.00200	1	08/21/2025 23:07	WG2572379
Barium,Dissolved	0.0818		0.000500	0.00200	1	08/21/2025 23:07	WG2572379
Cadmium,Dissolved	U		0.000120	0.00100	1	08/21/2025 23:07	WG2572379
Chromium,Dissolved	0.00208		0.000900	0.00200	1	08/21/2025 23:07	WG2572379
Copper,Dissolved	0.00269	J	0.000700	0.00500	1	08/21/2025 23:07	WG2572379
Cobalt,Dissolved	U		0.000100	0.00200	1	08/21/2025 23:07	WG2572379
Iron,Dissolved	0.0706	J	0.0226	0.100	1	08/21/2025 23:07	WG2572379
Lead,Dissolved	0.000567	J	0.000500	0.00200	1	08/21/2025 23:07	WG2572379
Manganese,Dissolved	0.00283	J	0.000700	0.00500	1	08/21/2025 23:07	WG2572379
Molybdenum,Dissolved	0.00255	J	0.000500	0.00500	1	08/21/2025 23:07	WG2572379
Nickel,Dissolved	0.00418		0.000500	0.00200	1	08/21/2025 23:07	WG2572379
Selenium,Dissolved	0.00401		0.000250	0.00200	1	08/21/2025 23:07	WG2572379
Silver,Dissolved	U		0.000110	0.00200	1	08/21/2025 23:07	WG2572379
Uranium,Dissolved	0.00173		0.000130	0.00100	1	08/21/2025 23:07	WG2572379
Zinc,Dissolved	0.0373		0.00400	0.0250	1	08/21/2025 23:07	WG2572379

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	08/02/2025 11:55	WG2571688
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*08/02/2025 11:55*	WG2571688

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	C3 J3	0.0469	0.0500	1	08/03/2025 06:33	WG2571875
Benzene	U		0.000320	0.00100	1	08/03/2025 06:33	WG2571875
Bromodichloromethane	U		0.000371	0.00100	1	08/03/2025 06:33	WG2571875
Bromoform	U		0.000548	0.00100	1	08/03/2025 06:33	WG2571875
Bromomethane	U		0.00485	0.00500	1	08/03/2025 06:33	WG2571875
n-Butylbenzene	U		0.000516	0.00100	1	08/03/2025 06:33	WG2571875
sec-Butylbenzene	U		0.000355	0.00100	1	08/03/2025 06:33	WG2571875
tert-Butylbenzene	U		0.000314	0.00100	1	08/03/2025 06:33	WG2571875
Carbon disulfide	U		0.000510	0.00100	1	08/03/2025 06:33	WG2571875
Carbon tetrachloride	U		0.000360	0.00100	1	08/03/2025 06:33	WG2571875
Chlorobenzene	U		0.000266	0.00100	1	08/03/2025 06:33	WG2571875
Chlorodibromomethane	U		0.000398	0.00100	1	08/03/2025 06:33	WG2571875
Chloroethane	U		0.00279	0.00500	1	08/03/2025 06:33	WG2571875
Chloroform	U		0.00128	0.00500	1	08/03/2025 06:33	WG2571875
Chloromethane	U		0.00170	0.00500	1	08/03/2025 06:33	WG2571875
1,2-Dibromoethane	U		0.000341	0.00100	1	08/03/2025 06:33	WG2571875
1,1-Dichloroethane	U		0.000389	0.00100	1	08/03/2025 06:33	WG2571875
1,2-Dichloroethane	U		0.000395	0.00100	1	08/03/2025 06:33	WG2571875
1,1-Dichloroethene	U		0.000422	0.00100	1	08/03/2025 06:33	WG2571875
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	08/03/2025 06:33	WG2571875
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	08/03/2025 06:33	WG2571875
1,2-Dichloropropane	U		0.000427	0.00100	1	08/03/2025 06:33	WG2571875
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	08/03/2025 06:33	WG2571875
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	08/03/2025 06:33	WG2571875
Ethylbenzene	U		0.000234	0.00100	1	08/03/2025 06:33	WG2571875
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	08/03/2025 06:33	WG2571875
2-Hexanone	U		0.00580	0.0200	1	08/03/2025 06:33	WG2571875
Isopropylbenzene	U		0.000105	0.00100	1	08/03/2025 06:33	WG2571875
p-Isopropyltoluene	U		0.000345	0.00100	1	08/03/2025 06:33	WG2571875
2-Butanone (MEK)	U		0.00900	0.0200	1	08/03/2025 06:33	WG2571875
Methylene Chloride	U		0.00148	0.00500	1	08/03/2025 06:33	WG2571875
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	08/03/2025 06:33	WG2571875
Methyl tert-butyl ether	U		0.000357	0.00100	1	08/03/2025 06:33	WG2571875
Naphthalene	U	C3	0.00264	0.00500	1	08/03/2025 06:33	WG2571875
n-Propylbenzene	U		0.000239	0.00100	1	08/03/2025 06:33	WG2571875
Styrene	U		0.000342	0.00100	1	08/03/2025 06:33	WG2571875
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	08/03/2025 06:33	WG2571875
Tetrachloroethene	U		0.000358	0.00100	1	08/03/2025 06:33	WG2571875
Toluene	U		0.000274	0.00100	1	08/03/2025 06:33	WG2571875
1,1,1-Trichloroethane	U		0.000336	0.00100	1	08/03/2025 06:33	WG2571875
1,1,2-Trichloroethane	U		0.000375	0.00100	1	08/03/2025 06:33	WG2571875
Trichloroethene	U		0.000383	0.00100	1	08/03/2025 06:33	WG2571875
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	08/03/2025 06:33	WG2571875
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	08/03/2025 06:33	WG2571875
Vinyl chloride	U		0.000458	0.00100	1	08/03/2025 06:33	WG2571875
Xylenes, Total	U		0.000319	0.00300	1	08/03/2025 06:33	WG2571875
(S) Toluene-d8	*94.9*			*80.0-120*		*08/03/2025 06:33*	WG2571875
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*08/03/2025 06:33*	WG2571875
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*08/03/2025 06:33*	WG2571875

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0869	J	0.0605	0.100	1	08/07/2025 22:32	WG2574078
(S) o-Terphenyl	*110*			*52.0-156*		*08/07/2025 22:32*	WG2574078

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.000246	0.00100	1	08/13/2025 14:10	WG2577316
Acenaphthylene	U		0.000265	0.00100	1	08/13/2025 14:10	WG2577316
Acetophenone	U		0.00205	0.0100	1	08/13/2025 14:10	WG2577316
Anthracene	U		0.000196	0.00100	1	08/13/2025 14:10	WG2577316
Atrazine	U		0.00244	0.0100	1	08/13/2025 14:10	WG2577316
Benzo(a)anthracene	U		0.000234	0.00100	1	08/13/2025 14:10	WG2577316
Benzaldehyde	U		0.00866	0.0100	1	08/13/2025 14:10	WG2577316
Benzo(b)fluoranthene	U		0.000280	0.00100	1	08/13/2025 14:10	WG2577316
Benzo(k)fluoranthene	U		0.000247	0.00100	1	08/13/2025 14:10	WG2577316
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	08/13/2025 14:10	WG2577316
Benzo(a)pyrene	U		0.000128	0.000200	1	08/13/2025 14:10	WG2577316
Biphenyl	U		0.00274	0.0100	1	08/13/2025 14:10	WG2577316
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	08/13/2025 14:10	WG2577316
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	08/13/2025 14:10	WG2577316
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	08/13/2025 14:10	WG2577316
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	08/13/2025 14:10	WG2577316
2-Chloronaphthalene	U		0.000259	0.00100	1	08/13/2025 14:10	WG2577316
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	08/13/2025 14:10	WG2577316
Caprolactam	U		0.000736	0.0100	1	08/13/2025 14:10	WG2577316
Carbazole	U		0.00211	0.0100	1	08/13/2025 14:10	WG2577316
Chrysene	U		0.000279	0.00100	1	08/13/2025 14:10	WG2577316
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	08/13/2025 14:10	WG2577316
Dibenzofuran	U		0.00251	0.0100	1	08/13/2025 14:10	WG2577316
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	08/13/2025 14:10	WG2577316
2,4-Dinitrotoluene	U		0.00187	0.0100	1	08/13/2025 14:10	WG2577316
2,6-Dinitrotoluene	U		0.00186	0.0100	1	08/13/2025 14:10	WG2577316
Fluoranthene	U		0.000229	0.00100	1	08/13/2025 14:10	WG2577316
Fluorene	U		0.000277	0.00100	1	08/13/2025 14:10	WG2577316
Hexachlorobenzene	U		0.000259	0.00100	1	08/13/2025 14:10	WG2577316
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	08/13/2025 14:10	WG2577316
Hexachlorocyclopentadiene	U	J3	0.00281	0.0100	1	08/13/2025 14:10	WG2577316
Hexachloroethane	U		0.00215	0.0100	1	08/13/2025 14:10	WG2577316
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	08/13/2025 14:10	WG2577316
Isophorone	U		0.00172	0.0100	1	08/13/2025 14:10	WG2577316
1-Methylnaphthalene	U		0.000245	0.00100	1	08/13/2025 14:10	WG2577316
2-Methylnaphthalene	U		0.000276	0.00100	1	08/13/2025 14:10	WG2577316
Naphthalene	U		0.000678	0.00100	1	08/13/2025 14:10	WG2577316
Nitrobenzene	U		0.00197	0.0100	1	08/13/2025 14:10	WG2577316
n-Nitrosodiphenylamine	U	J4	0.00202	0.0100	1	08/13/2025 14:10	WG2577316
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	08/13/2025 14:10	WG2577316
Phenanthrene	U		0.000219	0.00100	1	08/13/2025 14:10	WG2577316
Benzylbutyl phthalate	U		0.00113	0.00300	1	08/13/2025 14:10	WG2577316
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	08/13/2025 14:10	WG2577316
Di-n-butyl phthalate	U		0.000794	0.00300	1	08/13/2025 14:10	WG2577316
Diethyl phthalate	U		0.000861	0.00300	1	08/13/2025 14:10	WG2577316
Dimethyl phthalate	U		0.000772	0.00300	1	08/13/2025 14:10	WG2577316
Di-n-octyl phthalate	U		0.00133	0.00300	1	08/13/2025 14:10	WG2577316
Pyrene	U		0.000259	0.00100	1	08/13/2025 14:10	WG2577316
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	08/13/2025 14:10	WG2577316
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	08/13/2025 14:10	WG2577316
2-Chlorophenol	U		0.00211	0.0100	1	08/13/2025 14:10	WG2577316
2,4-Dichlorophenol	U		0.00241	0.0100	1	08/13/2025 14:10	WG2577316
2,4-Dimethylphenol	U		0.00433	0.0100	1	08/13/2025 14:10	WG2577316
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	08/13/2025 14:10	WG2577316
2,4-Dinitrophenol	U		0.00571	0.0100	1	08/13/2025 14:10	WG2577316
2-Nitrophenol	U		0.00260	0.0100	1	08/13/2025 14:10	WG2577316

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.00236	0.0100	1	08/13/2025 14:10	WG2577316
2-Methylphenol	U		0.00170	0.0100	1	08/13/2025 14:10	WG2577316
3&4-Methyl Phenol	U		0.00154	0.0100	1	08/13/2025 14:10	WG2577316
3-Nitroaniline	U		0.00120	0.0100	1	08/13/2025 14:10	WG2577316
4-Chloroaniline	U	J3	0.00506	0.0100	1	08/13/2025 14:10	WG2577316
4-Nitroaniline	U		0.00211	0.0100	1	08/13/2025 14:10	WG2577316
4-Nitrophenol	U	J3 J4	0.00755	0.0100	1	08/17/2025 04:24	WG2577316
Pentachlorophenol	U		0.000708	0.0100	1	08/13/2025 14:10	WG2577316
Phenol	U		0.000757	0.0100	1	08/13/2025 14:10	WG2577316
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	08/13/2025 14:10	WG2577316
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	08/13/2025 14:10	WG2577316
(S) 2-Fluorophenol	*26.0*			*10.0-120*		*08/17/2025 04:24*	WG2577316
(S) 2-Fluorophenol	*38.2*			*10.0-120*		*08/13/2025 14:10*	WG2577316
(S) Phenol-d5	*21.9*			*10.0-120*		*08/13/2025 14:10*	WG2577316
(S) Phenol-d5	*19.1*			*10.0-120*		*08/17/2025 04:24*	WG2577316
(S) Nitrobenzene-d5	*47.0*			*10.0-127*		*08/17/2025 04:24*	WG2577316
(S) Nitrobenzene-d5	*64.3*			*10.0-127*		*08/13/2025 14:10*	WG2577316
(S) 2-Fluorobiphenyl	*44.5*			*10.0-130*		*08/17/2025 04:24*	WG2577316
(S) 2-Fluorobiphenyl	*50.2*			*10.0-130*		*08/13/2025 14:10*	WG2577316
(S) 2,4,6-Tribromophenol	*35.0*			*10.0-155*		*08/17/2025 04:24*	WG2577316
(S) 2,4,6-Tribromophenol	*38.7*			*10.0-155*		*08/13/2025 14:10*	WG2577316
(S) p-Terphenyl-d14	*53.5*			*10.0-128*		*08/17/2025 04:24*	WG2577316
(S) p-Terphenyl-d14	*50.1*			*10.0-128*		*08/13/2025 14:10*	WG2577316

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	924		20.0	1	08/07/2025 10:51	WG2573763

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	260		2.74	5.00	5	08/02/2025 00:37	WG2570983
Fluoride	0.686		0.0761	0.150	1	08/02/2025 00:25	WG2570983
Nitrate as (N)	2.97		0.0884	0.100	1	08/02/2025 00:25	WG2570983
Nitrite as (N)	U		0.0794	0.100	1	08/02/2025 00:25	WG2570983
Sulfate	86.7		0.637	5.00	1	08/02/2025 00:25	WG2570983

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	08/05/2025 21:28	WG2571798

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.172	J	0.0232	0.200	1	08/06/2025 05:25	WG2572367

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	08/24/2025 12:14	WG2572379
Arsenic,Dissolved	0.00477		0.000120	0.00200	1	08/24/2025 12:14	WG2572379
Barium,Dissolved	0.0998		0.000500	0.00200	1	08/24/2025 12:14	WG2572379
Cadmium,Dissolved	U		0.000120	0.00100	1	08/24/2025 12:14	WG2572379
Chromium,Dissolved	0.00132	J	0.000900	0.00200	1	08/24/2025 12:14	WG2572379
Copper,Dissolved	0.00174	J	0.000700	0.00500	1	08/24/2025 12:14	WG2572379
Cobalt,Dissolved	U		0.000100	0.00200	1	08/24/2025 12:14	WG2572379
Iron,Dissolved	U		0.0226	0.100	1	08/24/2025 12:14	WG2572379
Lead,Dissolved	U		0.000500	0.00200	1	08/24/2025 12:14	WG2572379
Manganese,Dissolved	0.00273	J	0.000700	0.00500	1	08/24/2025 12:14	WG2572379
Molybdenum,Dissolved	0.00208	J	0.000500	0.00500	1	08/24/2025 12:14	WG2572379
Nickel,Dissolved	0.00685		0.000500	0.00200	1	08/24/2025 12:14	WG2572379
Selenium,Dissolved	0.00379		0.000250	0.00200	1	08/24/2025 12:14	WG2572379
Silver,Dissolved	U		0.000110	0.00200	1	08/24/2025 12:14	WG2572379
Uranium,Dissolved	0.00197		0.000130	0.00100	1	08/24/2025 12:14	WG2572379
Zinc,Dissolved	0.0505		0.00400	0.0250	1	08/24/2025 12:14	WG2572379

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	08/02/2025 12:16	WG2571688
(S) a,a,a-Trifluorotoluene(FID)	*100*			*78.0-120*		*08/02/2025 12:16*	WG2571688

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	C3 J3	0.0469	0.0500	1	08/03/2025 06:54	WG2571875
Benzene	U		0.000320	0.00100	1	08/03/2025 06:54	WG2571875
Bromodichloromethane	U		0.000371	0.00100	1	08/03/2025 06:54	WG2571875
Bromoform	U		0.000548	0.00100	1	08/03/2025 06:54	WG2571875
Bromomethane	U		0.00485	0.00500	1	08/03/2025 06:54	WG2571875
n-Butylbenzene	U		0.000516	0.00100	1	08/03/2025 06:54	WG2571875
sec-Butylbenzene	U		0.000355	0.00100	1	08/03/2025 06:54	WG2571875
tert-Butylbenzene	U		0.000314	0.00100	1	08/03/2025 06:54	WG2571875
Carbon disulfide	U		0.000510	0.00100	1	08/03/2025 06:54	WG2571875
Carbon tetrachloride	0.000427	J	0.000360	0.00100	1	08/03/2025 06:54	WG2571875
Chlorobenzene	U		0.000266	0.00100	1	08/03/2025 06:54	WG2571875
Chlorodibromomethane	U		0.000398	0.00100	1	08/03/2025 06:54	WG2571875
Chloroethane	U		0.00279	0.00500	1	08/03/2025 06:54	WG2571875
Chloroform	U		0.00128	0.00500	1	08/03/2025 06:54	WG2571875
Chloromethane	U		0.00170	0.00500	1	08/03/2025 06:54	WG2571875
1,2-Dibromoethane	U		0.000341	0.00100	1	08/03/2025 06:54	WG2571875
1,1-Dichloroethane	U		0.000389	0.00100	1	08/03/2025 06:54	WG2571875
1,2-Dichloroethane	U		0.000395	0.00100	1	08/03/2025 06:54	WG2571875
1,1-Dichloroethene	U		0.000422	0.00100	1	08/03/2025 06:54	WG2571875
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	08/03/2025 06:54	WG2571875
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	08/03/2025 06:54	WG2571875
1,2-Dichloropropane	U		0.000427	0.00100	1	08/03/2025 06:54	WG2571875
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	08/03/2025 06:54	WG2571875
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	08/03/2025 06:54	WG2571875
Ethylbenzene	U		0.000234	0.00100	1	08/03/2025 06:54	WG2571875
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	08/03/2025 06:54	WG2571875
2-Hexanone	U		0.00580	0.0200	1	08/03/2025 06:54	WG2571875
Isopropylbenzene	U		0.000105	0.00100	1	08/03/2025 06:54	WG2571875
p-Isopropyltoluene	U		0.000345	0.00100	1	08/03/2025 06:54	WG2571875
2-Butanone (MEK)	U		0.00900	0.0200	1	08/03/2025 06:54	WG2571875
Methylene Chloride	U		0.00148	0.00500	1	08/03/2025 06:54	WG2571875
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	08/03/2025 06:54	WG2571875
Methyl tert-butyl ether	U		0.000357	0.00100	1	08/03/2025 06:54	WG2571875
Naphthalene	U	C3	0.00264	0.00500	1	08/03/2025 06:54	WG2571875
n-Propylbenzene	U		0.000239	0.00100	1	08/03/2025 06:54	WG2571875
Styrene	U		0.000342	0.00100	1	08/03/2025 06:54	WG2571875
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	08/03/2025 06:54	WG2571875
Tetrachloroethene	U		0.000358	0.00100	1	08/03/2025 06:54	WG2571875
Toluene	U		0.000274	0.00100	1	08/03/2025 06:54	WG2571875
1,1,1-Trichloroethane	U		0.000336	0.00100	1	08/03/2025 06:54	WG2571875
1,1,2-Trichloroethane	U		0.000375	0.00100	1	08/03/2025 06:54	WG2571875
Trichloroethene	U		0.000383	0.00100	1	08/03/2025 06:54	WG2571875
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	08/03/2025 06:54	WG2571875
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	08/03/2025 06:54	WG2571875
Vinyl chloride	U		0.000458	0.00100	1	08/03/2025 06:54	WG2571875
Xylenes, Total	U		0.000319	0.00300	1	08/03/2025 06:54	WG2571875
(S) Toluene-d8	*93.4*			*80.0-120*		*08/03/2025 06:54*	WG2571875
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*08/03/2025 06:54*	WG2571875
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*08/03/2025 06:54*	WG2571875

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.0842	J	0.0605	0.100	1	08/07/2025 22:52	WG2574078
(S) o-Terphenyl	*109*			*52.0-156*		*08/07/2025 22:52*	WG2574078

DUP-01
Collected date/time: 07/31/25 13:00
L1884056

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.000246	0.00100	1	08/13/2025 14:32	WG2577316
Acenaphthylene	U		0.000265	0.00100	1	08/13/2025 14:32	WG2577316
Acetophenone	U		0.00205	0.0100	1	08/13/2025 14:32	WG2577316
Anthracene	U		0.000196	0.00100	1	08/13/2025 14:32	WG2577316
Atrazine	U		0.00244	0.0100	1	08/13/2025 14:32	WG2577316
Benzo(a)anthracene	U		0.000234	0.00100	1	08/13/2025 14:32	WG2577316
Benzaldehyde	U		0.00866	0.0100	1	08/13/2025 14:32	WG2577316
Benzo(b)fluoranthene	U		0.000280	0.00100	1	08/13/2025 14:32	WG2577316
Benzo(k)fluoranthene	U		0.000247	0.00100	1	08/13/2025 14:32	WG2577316
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	08/13/2025 14:32	WG2577316
Benzo(a)pyrene	U		0.000128	0.000200	1	08/13/2025 14:32	WG2577316
Biphenyl	U		0.00274	0.0100	1	08/13/2025 14:32	WG2577316
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	08/13/2025 14:32	WG2577316
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	08/13/2025 14:32	WG2577316
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	08/13/2025 14:32	WG2577316
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	08/13/2025 14:32	WG2577316
2-Chloronaphthalene	U		0.000259	0.00100	1	08/13/2025 14:32	WG2577316
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	08/13/2025 14:32	WG2577316
Caprolactam	U		0.000736	0.0100	1	08/13/2025 14:32	WG2577316
Carbazole	U		0.00211	0.0100	1	08/13/2025 14:32	WG2577316
Chrysene	U		0.000279	0.00100	1	08/13/2025 14:32	WG2577316
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	08/13/2025 14:32	WG2577316
Dibenzofuran	U		0.00251	0.0100	1	08/13/2025 14:32	WG2577316
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	08/13/2025 14:32	WG2577316
2,4-Dinitrotoluene	U		0.00187	0.0100	1	08/13/2025 14:32	WG2577316
2,6-Dinitrotoluene	U		0.00186	0.0100	1	08/13/2025 14:32	WG2577316
Fluoranthene	U		0.000229	0.00100	1	08/13/2025 14:32	WG2577316
Fluorene	U		0.000277	0.00100	1	08/13/2025 14:32	WG2577316
Hexachlorobenzene	U		0.000259	0.00100	1	08/13/2025 14:32	WG2577316
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	08/13/2025 14:32	WG2577316
Hexachlorocyclopentadiene	U	J3	0.00281	0.0100	1	08/13/2025 14:32	WG2577316
Hexachloroethane	U		0.00215	0.0100	1	08/13/2025 14:32	WG2577316
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	08/13/2025 14:32	WG2577316
Isophorone	U		0.00172	0.0100	1	08/13/2025 14:32	WG2577316
1-Methylnaphthalene	U		0.000245	0.00100	1	08/13/2025 14:32	WG2577316
2-Methylnaphthalene	U		0.000276	0.00100	1	08/13/2025 14:32	WG2577316
Naphthalene	U		0.000678	0.00100	1	08/13/2025 14:32	WG2577316
Nitrobenzene	U		0.00197	0.0100	1	08/13/2025 14:32	WG2577316
n-Nitrosodiphenylamine	U	J4	0.00202	0.0100	1	08/13/2025 14:32	WG2577316
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	08/13/2025 14:32	WG2577316
Phenanthrene	U		0.000219	0.00100	1	08/13/2025 14:32	WG2577316
Benzylbutyl phthalate	U		0.00113	0.00300	1	08/13/2025 14:32	WG2577316
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	08/13/2025 14:32	WG2577316
Di-n-butyl phthalate	U		0.000794	0.00300	1	08/13/2025 14:32	WG2577316
Diethyl phthalate	U		0.000861	0.00300	1	08/13/2025 14:32	WG2577316
Dimethyl phthalate	U		0.000772	0.00300	1	08/13/2025 14:32	WG2577316
Di-n-octyl phthalate	U		0.00133	0.00300	1	08/13/2025 14:32	WG2577316
Pyrene	U		0.000259	0.00100	1	08/13/2025 14:32	WG2577316
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	08/13/2025 14:32	WG2577316
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	08/13/2025 14:32	WG2577316
2-Chlorophenol	U		0.00211	0.0100	1	08/13/2025 14:32	WG2577316
2,4-Dichlorophenol	U		0.00241	0.0100	1	08/13/2025 14:32	WG2577316
2,4-Dimethylphenol	U		0.00433	0.0100	1	08/13/2025 14:32	WG2577316
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	08/13/2025 14:32	WG2577316
2,4-Dinitrophenol	U		0.00571	0.0100	1	08/13/2025 14:32	WG2577316
2-Nitrophenol	U		0.00260	0.0100	1	08/13/2025 14:32	WG2577316

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.00236	0.0100	1	08/13/2025 14:32	WG2577316
2-Methylphenol	U		0.00170	0.0100	1	08/13/2025 14:32	WG2577316
3&4-Methyl Phenol	U		0.00154	0.0100	1	08/13/2025 14:32	WG2577316
3-Nitroaniline	U		0.00120	0.0100	1	08/13/2025 14:32	WG2577316
4-Chloroaniline	U	J3	0.00506	0.0100	1	08/13/2025 14:32	WG2577316
4-Nitroaniline	U		0.00211	0.0100	1	08/13/2025 14:32	WG2577316
4-Nitrophenol	U	J3 J4	0.00755	0.0100	1	08/17/2025 04:46	WG2577316
Pentachlorophenol	U		0.000708	0.0100	1	08/13/2025 14:32	WG2577316
Phenol	U		0.000757	0.0100	1	08/13/2025 14:32	WG2577316
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	08/13/2025 14:32	WG2577316
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	08/13/2025 14:32	WG2577316
(S) 2-Fluorophenol	*25.7*			*10.0-120*		*08/17/2025 04:46*	WG2577316
(S) 2-Fluorophenol	*35.4*			*10.0-120*		*08/13/2025 14:32*	WG2577316
(S) Phenol-d5	*19.1*			*10.0-120*		*08/17/2025 04:46*	WG2577316
(S) Phenol-d5	*24.7*			*10.0-120*		*08/13/2025 14:32*	WG2577316
(S) Nitrobenzene-d5	*63.9*			*10.0-127*		*08/13/2025 14:32*	WG2577316
(S) Nitrobenzene-d5	*43.6*			*10.0-127*		*08/17/2025 04:46*	WG2577316
(S) 2-Fluorobiphenyl	*42.4*			*10.0-130*		*08/17/2025 04:46*	WG2577316
(S) 2-Fluorobiphenyl	*46.6*			*10.0-130*		*08/13/2025 14:32*	WG2577316
(S) 2,4,6-Tribromophenol	*35.6*			*10.0-155*		*08/17/2025 04:46*	WG2577316
(S) 2,4,6-Tribromophenol	*34.3*			*10.0-155*		*08/13/2025 14:32*	WG2577316
(S) p-Terphenyl-d14	*48.2*			*10.0-128*		*08/13/2025 14:32*	WG2577316
(S) p-Terphenyl-d14	*51.6*			*10.0-128*		*08/17/2025 04:46*	WG2577316

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0469	0.0500	1	08/03/2025 11:35	WG2572147
Benzene	U		0.000320	0.00100	1	08/03/2025 11:35	WG2572147
Bromodichloromethane	U		0.000371	0.00100	1	08/03/2025 11:35	WG2572147
Bromoform	U		0.000548	0.00100	1	08/03/2025 11:35	WG2572147
Bromomethane	U	C3	0.00485	0.00500	1	08/03/2025 11:35	WG2572147
n-Butylbenzene	U		0.000516	0.00100	1	08/03/2025 11:35	WG2572147
sec-Butylbenzene	U		0.000355	0.00100	1	08/03/2025 11:35	WG2572147
tert-Butylbenzene	U		0.000314	0.00100	1	08/03/2025 11:35	WG2572147
Carbon disulfide	U		0.000510	0.00100	1	08/03/2025 11:35	WG2572147
Carbon tetrachloride	U		0.000360	0.00100	1	08/03/2025 11:35	WG2572147
Chlorobenzene	U		0.000266	0.00100	1	08/03/2025 11:35	WG2572147
Chlorodibromomethane	U		0.000398	0.00100	1	08/03/2025 11:35	WG2572147
Chloroethane	U	C3	0.00279	0.00500	1	08/03/2025 11:35	WG2572147
Chloroform	U		0.00128	0.00500	1	08/03/2025 11:35	WG2572147
Chloromethane	U		0.00170	0.00500	1	08/03/2025 11:35	WG2572147
1,2-Dibromoethane	U		0.000341	0.00100	1	08/03/2025 11:35	WG2572147
1,1-Dichloroethane	U		0.000389	0.00100	1	08/03/2025 11:35	WG2572147
1,2-Dichloroethane	U		0.000395	0.00100	1	08/03/2025 11:35	WG2572147
1,1-Dichloroethene	U		0.000422	0.00100	1	08/03/2025 11:35	WG2572147
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	08/03/2025 11:35	WG2572147
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	08/03/2025 11:35	WG2572147
1,2-Dichloropropane	U		0.000427	0.00100	1	08/03/2025 11:35	WG2572147
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	08/03/2025 11:35	WG2572147
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	08/03/2025 11:35	WG2572147
Ethylbenzene	U		0.000234	0.00100	1	08/03/2025 11:35	WG2572147
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	08/03/2025 11:35	WG2572147
2-Hexanone	U		0.00580	0.0200	1	08/03/2025 11:35	WG2572147
Isopropylbenzene	U		0.000105	0.00100	1	08/03/2025 11:35	WG2572147
p-Isopropyltoluene	U		0.000345	0.00100	1	08/03/2025 11:35	WG2572147
2-Butanone (MEK)	U		0.00900	0.0200	1	08/03/2025 11:35	WG2572147
Methylene Chloride	U		0.00148	0.00500	1	08/03/2025 11:35	WG2572147
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	08/03/2025 11:35	WG2572147
Methyl tert-butyl ether	U		0.000357	0.00100	1	08/03/2025 11:35	WG2572147
Naphthalene	U		0.00264	0.00500	1	08/03/2025 11:35	WG2572147
n-Propylbenzene	U		0.000239	0.00100	1	08/03/2025 11:35	WG2572147
Styrene	U		0.000342	0.00100	1	08/03/2025 11:35	WG2572147
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	08/03/2025 11:35	WG2572147
Tetrachloroethene	U		0.000358	0.00100	1	08/03/2025 11:35	WG2572147
Toluene	U		0.000274	0.00100	1	08/03/2025 11:35	WG2572147
1,1,1-Trichloroethane	U		0.000336	0.00100	1	08/03/2025 11:35	WG2572147
1,1,2-Trichloroethane	U		0.000375	0.00100	1	08/03/2025 11:35	WG2572147
Trichloroethene	U		0.000383	0.00100	1	08/03/2025 11:35	WG2572147
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	08/03/2025 11:35	WG2572147
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	08/03/2025 11:35	WG2572147
Vinyl chloride	U		0.000458	0.00100	1	08/03/2025 11:35	WG2572147
Xylenes, Total	U		0.000319	0.00300	1	08/03/2025 11:35	WG2572147
(S) Toluene-d8	*102*			*80.0-120*		*08/03/2025 11:35*	WG2572147
(S) 4-Bromofluorobenzene	*82.2*			*77.0-126*		*08/03/2025 11:35*	WG2572147
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*08/03/2025 11:35*	WG2572147

Method Blank (MB)

(MB) R4256578-1 08/07/25 10:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1883890-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1883890-01 08/07/25 10:51 • (DUP) R4256578-3 08/07/25 10:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	327	340	1	3.90		10

L1884055-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1884055-04 08/07/25 10:51 • (DUP) R4256578-4 08/07/25 10:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	960	700	1	31.3	J3	10

Sample Narrative:

OS: Re-analyzed out of hold due to QC failure. Reporting both sets of data.

Laboratory Control Sample (LCS)

(LCS) R4256578-2 08/07/25 10:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8310	94.4	90.0-110	

Method Blank (MB)

(MB) R4253815-1 08/01/25 19:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1884006-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1884006-02 08/01/25 19:28 • (DUP) R4253815-3 08/01/25 19:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	18.8	18.4	1	1.71		15
Fluoride	0.189	0.185	1	2.52		15
Nitrate as (N)	0.852	0.831	1	2.53		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	7.05	6.97	1	1.08		15

L1884055-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1884055-01 08/01/25 20:32 • (DUP) R4253815-5 08/01/25 20:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	17.7	17.8	1	1.02		15
Fluoride	0.935	0.947	1	1.22		15
Nitrate as (N)	3.37	3.41	1	1.25		15
Nitrite as (N)	U	U	1	0.000		15

L1884055-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1884055-01 08/01/25 20:44 • (DUP) R4253815-6 08/01/25 21:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Sulfate	95.6	95.6	5	0.0170		15

Laboratory Control Sample (LCS)

(LCS) R4253815-2 08/01/25 19:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.0	97.4	80.0-120	
Fluoride	8.00	8.08	101	80.0-120	
Nitrate as (N)	8.00	8.17	102	80.0-120	
Nitrite as (N)	8.00	8.06	101	80.0-120	
Sulfate	40.0	39.2	98.1	80.0-120	

L1884006-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1884006-02 08/01/25 19:28 • (MS) R4253815-4 08/01/25 19:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	18.8	55.1	90.9	1	80.0-120	
Fluoride	8.00	0.189	8.27	101	1	80.0-120	
Nitrate as (N)	8.00	0.852	9.07	103	1	80.0-120	
Nitrite as (N)	8.00	U	8.16	102	1	80.0-120	
Sulfate	40.0	7.05	45.8	97.0	1	80.0-120	

L1884055-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884055-01 08/01/25 20:32 • (MS) R4253815-7 08/01/25 21:26 • (MSD) R4253815-8 08/01/25 21:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	17.7	54.5	54.7	92.2	92.5	1	80.0-120			0.212	15
Fluoride	8.00	0.935	9.03	9.08	101	102	1	80.0-120			0.478	15
Nitrate as (N)	8.00	3.37	11.5	11.6	102	102	1	80.0-120	E	E	0.262	15
Nitrite as (N)	8.00	U	8.23	8.26	103	103	1	80.0-120			0.462	15

Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4254496-6 08/05/25 21:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4254496-2 08/05/25 21:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00323	108	80.0-120	

L1883999-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1883999-01 08/05/25 21:05 • (MS) R4254496-4 08/05/25 21:10 • (MSD) R4254496-5 08/05/25 21:13

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00316	0.00317	105	106	1	75.0-125			0.385	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Released to Imaging: 4/17/2026 3:09:37 PM

Method Blank (MB)

(MB) R4254599-1 08/06/25 05:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0233	0.200

Laboratory Control Sample (LCS)

(LCS) R4254599-2 08/06/25 05:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.979	97.9	80.0-120	

L1884056-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884056-01 08/06/25 05:04 • (MS) R4254599-4 08/06/25 05:08 • (MSD) R4254599-5 08/06/25 05:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.172	1.15	1.16	97.6	98.5	1	75.0-125			0.815	20

Method Blank (MB)

(MB) R4262214-1 08/21/25 20:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum,Dissolved	U		0.0160	0.100
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	U		0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Iron,Dissolved	U		0.0226	0.100
Lead,Dissolved	U		0.000500	0.00200
Manganese,Dissolved	U		0.000700	0.00500
Molybdenum,Dissolved	U		0.000500	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Uranium,Dissolved	U		0.000130	0.00100
Zinc,Dissolved	U		0.00400	0.0250

Laboratory Control Sample (LCS)

(LCS) R4262214-2 08/21/25 20:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum,Dissolved	1.00	1.00	100	80.0-120	
Arsenic,Dissolved	0.0500	0.0504	101	80.0-120	
Barium,Dissolved	0.0500	0.0470	94.0	80.0-120	
Cadmium,Dissolved	0.0500	0.0528	106	80.0-120	
Chromium,Dissolved	0.0500	0.0522	104	80.0-120	
Copper,Dissolved	0.0500	0.0507	101	80.0-120	
Cobalt,Dissolved	0.0500	0.0527	105	80.0-120	
Iron,Dissolved	1.00	0.991	99.1	80.0-120	
Lead,Dissolved	0.0500	0.0502	100	80.0-120	
Manganese,Dissolved	0.0500	0.0509	102	80.0-120	
Molybdenum,Dissolved	0.0500	0.0500	100	80.0-120	
Nickel,Dissolved	0.0500	0.0527	105	80.0-120	
Selenium,Dissolved	0.0500	0.0485	97.1	80.0-120	
Silver,Dissolved	0.0500	0.0497	99.4	80.0-120	
Uranium,Dissolved	0.0500	0.0494	98.9	80.0-120	
Zinc,Dissolved	0.0500	0.0498	99.5	80.0-120	

L1884383-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1884383-01 08/21/25 20:56 • (MS) R4262214-4 08/21/25 21:02 • (MSD) R4262214-5 08/21/25 21:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1.00	U	0.985	0.989	98.5	98.9	1	75.0-125			0.409	20
Arsenic,Dissolved	0.0500	0.000700	0.0504	0.0507	99.5	100	1	75.0-125			0.545	20
Barium,Dissolved	0.0500	0.126	0.174	0.172	96.0	92.4	1	75.0-125			1.04	20
Cadmium,Dissolved	0.0500	U	0.0510	0.0516	102	103	1	75.0-125			1.25	20
Chromium,Dissolved	0.0500	U	0.0512	0.0517	102	103	1	75.0-125			1.11	20
Copper,Dissolved	0.0500	0.00479	0.0538	0.0531	98.0	96.6	1	75.0-125			1.32	20
Cobalt,Dissolved	0.0500	0.000936	0.0516	0.0520	101	102	1	75.0-125			0.662	20
Iron,Dissolved	1.00	U	0.967	0.983	96.7	98.3	1	75.0-125			1.67	20
Lead,Dissolved	0.0500	U	0.0492	0.0496	98.3	99.3	1	75.0-125			0.949	20
Manganese,Dissolved	0.0500	0.0362	0.0848	0.0859	97.2	99.5	1	75.0-125			1.29	20
Molybdenum,Dissolved	0.0500	0.00254	0.0526	0.0532	100	101	1	75.0-125			1.12	20
Nickel,Dissolved	0.0500	0.00537	0.0550	0.0553	99.3	99.8	1	75.0-125			0.475	20
Selenium,Dissolved	0.0500	0.000964	0.0486	0.0501	95.3	98.3	1	75.0-125			3.00	20
Silver,Dissolved	0.0500	U	0.0486	0.0487	97.1	97.5	1	75.0-125			0.354	20
Uranium,Dissolved	0.0500	0.0261	0.0753	0.0755	98.4	98.7	1	75.0-125			0.239	20
Zinc,Dissolved	0.0500	U	0.0517	0.0509	103	102	1	75.0-125			1.51	20

Method Blank (MB)

(MB) R4255508-2 08/02/25 10:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0594	0.100
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4255508-1 08/02/25 09:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	4.52	90.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*95.6*	*78.0-120*	

Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4256108-2 08/02/25 11:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0594	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4256108-1 08/02/25 10:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.10	102	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*78.0-120*	

Released to Imaging: 4/17/2026 3:09:37 PM

Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4255064-3 08/03/25 00:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Benzene	U		0.000320	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
n-Butylbenzene	U		0.000516	0.00100
sec-Butylbenzene	U		0.000355	0.00100
tert-Butylbenzene	U		0.000314	0.00100
Carbon disulfide	U		0.000510	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
1,2-Dibromoethane	U		0.000341	0.00100
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
Ethylbenzene	U		0.000234	0.00100
Hexachloro-1,3-butadiene	U		0.000650	0.00200
2-Hexanone	U		0.00580	0.0200
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000345	0.00100
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Methyl tert-butyl ether	U		0.000357	0.00100
Naphthalene	U		0.00264	0.00500
n-Propylbenzene	U		0.000239	0.00100
Styrene	U		0.000342	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,1,1-Trichloroethane	U		0.000336	0.00100

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Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4255064-3 08/03/25 00:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100
1,2,4-Trimethylbenzene	U		0.000274	0.00200
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	*93.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4255064-1 08/02/25 22:23 • (LCSD) R4255064-2 08/02/25 22:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0855	0.114	68.4	91.2	19.0-160		J3	28.6	27
Benzene	0.0250	0.0252	0.0254	101	102	70.0-123			0.791	20
Bromodichloromethane	0.0250	0.0261	0.0258	104	103	75.0-120			1.16	20
Bromoform	0.0250	0.0244	0.0238	97.6	95.2	68.0-132			2.49	20
Bromomethane	0.0250	0.0237	0.0295	94.8	118	10.0-160			21.8	25
n-Butylbenzene	0.0250	0.0228	0.0233	91.2	93.2	73.0-125			2.17	20
sec-Butylbenzene	0.0250	0.0221	0.0224	88.4	89.6	75.0-125			1.35	20
tert-Butylbenzene	0.0250	0.0220	0.0223	88.0	89.2	76.0-124			1.35	20
Carbon disulfide	0.0250	0.0226	0.0239	90.4	95.6	61.0-128			5.59	20
Carbon tetrachloride	0.0250	0.0299	0.0302	120	121	68.0-126			0.998	20
Chlorobenzene	0.0250	0.0239	0.0236	95.6	94.4	80.0-121			1.26	20
Chlorodibromomethane	0.0250	0.0239	0.0234	95.6	93.6	77.0-125			2.11	20
Chloroethane	0.0250	0.0264	0.0270	106	108	47.0-150			2.25	20
Chloroform	0.0250	0.0264	0.0272	106	109	73.0-120			2.99	20
Chloromethane	0.0250	0.0249	0.0270	99.6	108	41.0-142			8.09	20
1,2-Dibromoethane	0.0250	0.0231	0.0227	92.4	90.8	80.0-122			1.75	20
1,1-Dichloroethane	0.0250	0.0253	0.0258	101	103	70.0-126			1.96	20
1,2-Dichloroethane	0.0250	0.0280	0.0277	112	111	70.0-128			1.08	20
1,1-Dichloroethene	0.0250	0.0243	0.0251	97.2	100	71.0-124			3.24	20
cis-1,2-Dichloroethene	0.0250	0.0252	0.0256	101	102	73.0-120			1.57	20
trans-1,2-Dichloroethene	0.0250	0.0248	0.0256	99.2	102	73.0-120			3.17	20
1,2-Dichloropropane	0.0250	0.0237	0.0239	94.8	95.6	77.0-125			0.840	20
cis-1,3-Dichloropropene	0.0250	0.0248	0.0246	99.2	98.4	80.0-123			0.810	20
trans-1,3-Dichloropropene	0.0250	0.0232	0.0230	92.8	92.0	78.0-124			0.866	20

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Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4255064-1 08/02/25 22:23 • (LCSD) R4255064-2 08/02/25 22:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0238	0.0236	95.2	94.4	79.0-123			0.844	20
Hexachloro-1,3-butadiene	0.0250	0.0218	0.0234	87.2	93.6	54.0-138			7.08	20
2-Hexanone	0.125	0.0999	0.103	79.9	82.4	67.0-149			3.06	20
Isopropylbenzene	0.0250	0.0241	0.0239	96.4	95.6	76.0-127			0.833	20
p-Isopropyltoluene	0.0250	0.0226	0.0230	90.4	92.0	76.0-125			1.75	20
2-Butanone (MEK)	0.125	0.102	0.116	81.6	92.8	44.0-160			12.8	20
Methylene Chloride	0.0250	0.0245	0.0244	98.0	97.6	67.0-120			0.409	20
4-Methyl-2-pentanone (MIBK)	0.125	0.113	0.113	90.4	90.4	68.0-142			0.000	20
Methyl tert-butyl ether	0.0250	0.0253	0.0255	101	102	68.0-125			0.787	20
Naphthalene	0.0250	0.0173	0.0187	69.2	74.8	54.0-135			7.78	20
n-Propylbenzene	0.0250	0.0222	0.0221	88.8	88.4	77.0-124			0.451	20
Styrene	0.0250	0.0232	0.0230	92.8	92.0	73.0-130			0.866	20
1,1,2,2-Tetrachloroethane	0.0250	0.0207	0.0196	82.8	78.4	65.0-130			5.46	20
Tetrachloroethene	0.0250	0.0256	0.0250	102	100	72.0-132			2.37	20
Toluene	0.0250	0.0233	0.0232	93.2	92.8	79.0-120			0.430	20
1,1,1-Trichloroethane	0.0250	0.0285	0.0289	114	116	73.0-124			1.39	20
1,1,2-Trichloroethane	0.0250	0.0223	0.0218	89.2	87.2	80.0-120			2.27	20
Trichloroethene	0.0250	0.0261	0.0273	104	109	78.0-124			4.49	20
1,2,4-Trimethylbenzene	0.0250	0.0219	0.0220	87.6	88.0	76.0-121			0.456	20
1,3,5-Trimethylbenzene	0.0250	0.0215	0.0216	86.0	86.4	76.0-122			0.464	20
Vinyl chloride	0.0250	0.0240	0.0260	96.0	104	67.0-131			8.00	20
Xylenes, Total	0.0750	0.0710	0.0702	94.7	93.6	79.0-123			1.13	20
(S) Toluene-d8				*94.3*	*93.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*118*	*120*	*70.0-130*				

Method Blank (MB)

(MB) R4254309-3 08/03/25 09:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Benzene	U		0.000320	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
n-Butylbenzene	U		0.000516	0.00100
sec-Butylbenzene	U		0.000355	0.00100
tert-Butylbenzene	U		0.000314	0.00100
Carbon disulfide	U		0.000510	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
1,2-Dibromoethane	U		0.000341	0.00100
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
Ethylbenzene	U		0.000234	0.00100
Hexachloro-1,3-butadiene	U		0.000650	0.00200
2-Hexanone	U		0.00580	0.0200
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000345	0.00100
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Methyl tert-butyl ether	U		0.000357	0.00100
Naphthalene	U		0.00264	0.00500
n-Propylbenzene	U		0.000239	0.00100
Styrene	U		0.000342	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,1,1-Trichloroethane	U		0.000336	0.00100

Method Blank (MB)

(MB) R4254309-3 08/03/25 09:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100
1,2,4-Trimethylbenzene	U		0.000274	0.00200
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*84.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4254309-1 08/03/25 08:19 • (LCSD) R4254309-2 08/03/25 08:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.128	0.109	102	87.2	19.0-160			16.0	27
Benzene	0.0250	0.0221	0.0226	88.4	90.4	70.0-123			2.24	20
Bromodichloromethane	0.0250	0.0254	0.0258	102	103	75.0-120			1.56	20
Bromoform	0.0250	0.0262	0.0264	105	106	68.0-132			0.760	20
Bromomethane	0.0250	0.0198	0.0207	79.2	82.8	10.0-160			4.44	25
n-Butylbenzene	0.0250	0.0280	0.0238	112	95.2	73.0-125			16.2	20
sec-Butylbenzene	0.0250	0.0289	0.0243	116	97.2	75.0-125			17.3	20
tert-Butylbenzene	0.0250	0.0278	0.0238	111	95.2	76.0-124			15.5	20
Carbon disulfide	0.0250	0.0243	0.0261	97.2	104	61.0-128			7.14	20
Carbon tetrachloride	0.0250	0.0246	0.0252	98.4	101	68.0-126			2.41	20
Chlorobenzene	0.0250	0.0240	0.0239	96.0	95.6	80.0-121			0.418	20
Chlorodibromomethane	0.0250	0.0260	0.0259	104	104	77.0-125			0.385	20
Chloroethane	0.0250	0.0198	0.0207	79.2	82.8	47.0-150			4.44	20
Chloroform	0.0250	0.0236	0.0238	94.4	95.2	73.0-120			0.844	20
Chloromethane	0.0250	0.0242	0.0254	96.8	102	41.0-142			4.84	20
1,2-Dibromoethane	0.0250	0.0251	0.0252	100	101	80.0-122			0.398	20
1,1-Dichloroethane	0.0250	0.0250	0.0256	100	102	70.0-126			2.37	20
1,2-Dichloroethane	0.0250	0.0260	0.0260	104	104	70.0-128			0.000	20
1,1-Dichloroethene	0.0250	0.0236	0.0249	94.4	99.6	71.0-124			5.36	20
cis-1,2-Dichloroethene	0.0250	0.0227	0.0235	90.8	94.0	73.0-120			3.46	20
trans-1,2-Dichloroethene	0.0250	0.0229	0.0235	91.6	94.0	73.0-120			2.59	20
1,2-Dichloropropane	0.0250	0.0263	0.0273	105	109	77.0-125			3.73	20
cis-1,3-Dichloropropene	0.0250	0.0246	0.0253	98.4	101	80.0-123			2.81	20
trans-1,3-Dichloropropene	0.0250	0.0271	0.0272	108	109	78.0-124			0.368	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4254309-1 08/03/25 08:19 • (LCSD) R4254309-2 08/03/25 08:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0250	0.0229	0.0228	91.6	91.2	79.0-123			0.438	20
Hexachloro-1,3-butadiene	0.0250	0.0342	0.0302	137	121	54.0-138			12.4	20
2-Hexanone	0.125	0.134	0.129	107	103	67.0-149			3.80	20
Isopropylbenzene	0.0250	0.0228	0.0227	91.2	90.8	76.0-127			0.440	20
p-Isopropyltoluene	0.0250	0.0294	0.0244	118	97.6	76.0-125			18.6	20
2-Butanone (MEK)	0.125	0.129	0.121	103	96.8	44.0-160			6.40	20
Methylene Chloride	0.0250	0.0214	0.0220	85.6	88.0	67.0-120			2.76	20
4-Methyl-2-pentanone (MIBK)	0.125	0.147	0.149	118	119	68.0-142			1.35	20
Methyl tert-butyl ether	0.0250	0.0233	0.0242	93.2	96.8	68.0-125			3.79	20
Naphthalene	0.0250	0.0228	0.0205	91.2	82.0	54.0-135			10.6	20
n-Propylbenzene	0.0250	0.0292	0.0246	117	98.4	77.0-124			17.1	20
Styrene	0.0250	0.0236	0.0235	94.4	94.0	73.0-130			0.425	20
1,1,2,2-Tetrachloroethane	0.0250	0.0313	0.0259	125	104	65.0-130			18.9	20
Tetrachloroethene	0.0250	0.0256	0.0251	102	100	72.0-132			1.97	20
Toluene	0.0250	0.0236	0.0238	94.4	95.2	79.0-120			0.844	20
1,1,1-Trichloroethane	0.0250	0.0248	0.0252	99.2	101	73.0-124			1.60	20
1,1,2-Trichloroethane	0.0250	0.0252	0.0251	101	100	80.0-120			0.398	20
Trichloroethene	0.0250	0.0223	0.0231	89.2	92.4	78.0-124			3.52	20
1,2,4-Trimethylbenzene	0.0250	0.0284	0.0238	114	95.2	76.0-121			17.6	20
1,3,5-Trimethylbenzene	0.0250	0.0293	0.0244	117	97.6	76.0-122			18.2	20
Vinyl chloride	0.0250	0.0215	0.0225	86.0	90.0	67.0-131			4.55	20
Xylenes, Total	0.0750	0.0682	0.0678	90.9	90.4	79.0-123			0.588	20
(S) Toluene-d8				*102*	*99.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*83.5*	*89.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*123*	*121*	*70.0-130*				

Method Blank (MB)

(MB) R4255803-1 08/07/25 20:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0605	0.100
(S) o-Terphenyl	*100*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4255803-2 08/07/25 20:52 • (LCSD) R4255803-3 08/07/25 21:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.50	1.72	1.71	115	114	50.0-150			0.583	20
(S) o-Terphenyl				*106*	*105*	*52.0-156*				

Method Blank (MB)

(MB) R4259170-2 08/13/25 13:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.000246	0.00100
Acenaphthylene	U		0.000265	0.00100
Acetophenone	U		0.00205	0.0100
Anthracene	U		0.000196	0.00100
Atrazine	U		0.00244	0.0100
Benzo(a)anthracene	U		0.000234	0.00100
Benzaldehyde	U		0.00866	0.0100
Benzo(b)fluoranthene	U		0.000280	0.00100
Benzo(k)fluoranthene	U		0.000247	0.00100
Benzo(g,h,i)perylene	U		0.000254	0.00100
Benzo(a)pyrene	U		0.000128	0.000200
Biphenyl	U		0.00274	0.0100
Bis(2-chlorethoxy)methane	U		0.00188	0.0100
Bis(2-chloroethyl)ether	U		0.00205	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100
4-Bromophenyl-phenylether	U		0.00267	0.0100
2-Chloronaphthalene	U		0.000259	0.00100
4-Chlorophenyl-phenylether	U		0.00222	0.0100
Caprolactam	U		0.000736	0.0100
Carbazole	U		0.00211	0.0100
Chrysene	U		0.000279	0.00100
Dibenz(a,h)anthracene	U		0.000148	0.000200
Dibenzofuran	U		0.00251	0.0100
3,3-Dichlorobenzidine	U		0.00758	0.0100
2,4-Dinitrotoluene	U		0.00187	0.0100
2,6-Dinitrotoluene	U		0.00186	0.0100
Fluoranthene	U		0.000229	0.00100
Fluorene	U		0.000277	0.00100
Hexachlorobenzene	U		0.000259	0.00100
Hexachloro-1,3-butadiene	U		0.00227	0.0100
Hexachlorocyclopentadiene	U		0.00281	0.0100
Hexachloroethane	U		0.00215	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100
Isophorone	U		0.00172	0.0100
1-Methylnaphthalene	U		0.000245	0.00100
2-Methylnaphthalene	U		0.000276	0.00100
Naphthalene	U		0.000678	0.00100
Nitrobenzene	U		0.00197	0.0100
n-Nitrosodiphenylamine	U		0.00202	0.0100
n-Nitrosodi-n-propylamine	U		0.00202	0.0100

Method Blank (MB)

(MB) R4259170-2 08/13/25 13:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000219	0.00100
Benzylbutyl phthalate	U		0.00113	0.00300
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300
Di-n-butyl phthalate	U		0.000794	0.00300
Diethyl phthalate	U		0.000861	0.00300
Dimethyl phthalate	U		0.000772	0.00300
Di-n-octyl phthalate	U		0.00133	0.00300
Pyrene	U		0.000259	0.00100
1,2,4-Trichlorobenzene	U		0.00230	0.0100
4-Chloro-3-methylphenol	U		0.00228	0.0100
2-Chlorophenol	U		0.00211	0.0100
2,4-Dichlorophenol	U		0.00241	0.0100
2,4-Dimethylphenol	U		0.00433	0.0100
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100
2,4-Dinitrophenol	U		0.00571	0.0100
2-Nitrophenol	U		0.00260	0.0100
2-Nitroaniline	U		0.00236	0.0100
2-Methylphenol	U		0.00170	0.0100
3&4-Methyl Phenol	U		0.00154	0.0100
3-Nitroaniline	U		0.00120	0.0100
4-Chloroaniline	U		0.00506	0.0100
4-Nitroaniline	U		0.00211	0.0100
4-Nitrophenol	U		0.00755	0.0100
Pentachlorophenol	U		0.000708	0.0100
Phenol	U		0.000757	0.0100
2,4,5-Trichlorophenol	U		0.00270	0.0100
2,4,6-Trichlorophenol	U		0.00238	0.0100
(S) 2-Fluorophenol	*50.0*			*10.0-120*
(S) Phenol-d5	*26.2*			*10.0-120*
(S) Nitrobenzene-d5	*79.3*			*10.0-127*
(S) 2-Fluorobiphenyl	*66.6*			*10.0-130*
(S) 2,4,6-Tribromophenol	*48.3*			*10.0-155*
(S) p-Terphenyl-d14	*67.8*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R4259170-1 08/13/25 13:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0314	62.8	41.0-120	
Acenaphthylene	0.0500	0.0332	66.4	43.0-120	
Acetophenone	0.0500	0.0281	56.2	29.0-120	
Anthracene	0.0500	0.0260	52.0	45.0-120	
Atrazine	0.0500	0.0371	74.2	39.0-141	
Benzo(a)anthracene	0.0500	0.0325	65.0	47.0-120	
Benzaldehyde	0.0500	0.0571	114	10.0-160	
Benzo(b)fluoranthene	0.0500	0.0326	65.2	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0310	62.0	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0300	60.0	48.0-121	
Benzo(a)pyrene	0.0500	0.0291	58.2	47.0-120	
Biphenyl	0.0500	0.0289	57.8	38.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0306	61.2	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0286	57.2	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0219	43.8	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0297	59.4	45.0-120	
2-Chloronaphthalene	0.0500	0.0275	55.0	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0339	67.8	44.0-120	
Caprolactam	0.0500	0.0118	23.6	10.0-120	
Carbazole	0.0500	0.0310	62.0	51.0-122	
Chrysene	0.0500	0.0324	64.8	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0329	65.8	47.0-120	
Dibenzofuran	0.0500	0.0305	61.0	44.0-120	
3,3-Dichlorobenzidine	0.100	0.0590	59.0	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0383	76.6	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0333	66.6	46.0-120	
Fluoranthene	0.0500	0.0362	72.4	51.0-120	
Fluorene	0.0500	0.0309	61.8	47.0-120	
Hexachlorobenzene	0.0500	0.0261	52.2	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0225	45.0	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0104	20.8	15.0-120	
Hexachloroethane	0.0500	0.0194	38.8	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0335	67.0	49.0-122	
Isophorone	0.0500	0.0340	68.0	36.0-120	
1-Methylnaphthalene	0.0500	0.0280	56.0	33.0-120	
2-Methylnaphthalene	0.0500	0.0285	57.0	33.0-120	
Naphthalene	0.0500	0.0238	47.6	27.0-120	
Nitrobenzene	0.0500	0.0337	67.4	27.0-120	
n-Nitrosodiphenylamine	0.0500	0.0236	47.2	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0331	66.2	31.0-120	

Laboratory Control Sample (LCS)

(LCS) R4259170-1 08/13/25 13:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.0500	0.0285	57.0	46.0-120	
Benzylbutyl phthalate	0.0500	0.0340	68.0	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0307	61.4	43.0-122	
Di-n-butyl phthalate	0.0500	0.0329	65.8	49.0-121	
Diethyl phthalate	0.0500	0.0332	66.4	48.0-122	
Dimethyl phthalate	0.0500	0.0354	70.8	48.0-120	
Di-n-octyl phthalate	0.0500	0.0354	70.8	42.0-125	
Pyrene	0.0500	0.0307	61.4	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0273	54.6	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0331	66.2	40.0-120	
2-Chlorophenol	0.0500	0.0228	45.6	25.0-120	
2,4-Dichlorophenol	0.0500	0.0294	58.8	36.0-120	
2,4-Dimethylphenol	0.0500	0.0225	45.0	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0329	65.8	38.0-138	
2,4-Dinitrophenol	0.0500	0.0306	61.2	10.0-120	
2-Nitrophenol	0.0500	0.0326	65.2	31.0-120	
2-Nitroaniline	0.0500	0.0346	69.2	43.0-120	
2-Methylphenol	0.0500	0.0194	38.8	28.0-120	
3&4-Methyl Phenol	0.0500	0.0206	41.2	31.0-120	
3-Nitroaniline	0.0500	0.0338	67.6	38.0-120	
4-Chloroaniline	0.0500	0.0325	65.0	25.0-120	
4-Nitroaniline	0.0500	0.0325	65.0	18.0-160	
4-Nitrophenol	0.0500	0.0772	154	10.0-120	J4
Pentachlorophenol	0.0500	0.0230	46.0	23.0-120	
Phenol	0.0500	0.0142	28.4	10.0-120	
2,4,5-Trichlorophenol	0.0500	0.0346	69.2	44.0-120	
2,4,6-Trichlorophenol	0.0500	0.0320	64.0	42.0-120	
(S) 2-Fluorophenol			*46.2*	*10.0-120*	
(S) Phenol-d5			*25.5*	*10.0-120*	
(S) Nitrobenzene-d5			*71.6*	*10.0-127*	
(S) 2-Fluorobiphenyl			*61.5*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*51.0*	*10.0-155*	
(S) p-Terphenyl-d14			*62.5*	*10.0-128*	

Method Blank (MB)

(MB) R4259171-3 08/13/25 12:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.000246	0.00100
Acenaphthylene	U		0.000265	0.00100
Acetophenone	U		0.00205	0.0100
Anthracene	U		0.000196	0.00100
Atrazine	U		0.00244	0.0100
Benzo(a)anthracene	U		0.000234	0.00100
Benzaldehyde	U		0.00866	0.0100
Benzo(b)fluoranthene	U		0.000280	0.00100
Benzo(k)fluoranthene	U		0.000247	0.00100
Benzo(g,h,i)perylene	U		0.000254	0.00100
Benzo(a)pyrene	U		0.000128	0.000200
Biphenyl	U		0.00274	0.0100
Bis(2-chlorethoxy)methane	U		0.00188	0.0100
Bis(2-chloroethyl)ether	U		0.00205	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100
4-Bromophenyl-phenylether	U		0.00267	0.0100
2-Chloronaphthalene	U		0.000259	0.00100
4-Chlorophenyl-phenylether	U		0.00222	0.0100
Caprolactam	U		0.000736	0.0100
Carbazole	U		0.00211	0.0100
Chrysene	U		0.000279	0.00100
Dibenz(a,h)anthracene	U		0.000148	0.000200
Dibenzofuran	U		0.00251	0.0100
3,3-Dichlorobenzidine	U		0.00758	0.0100
2,4-Dinitrotoluene	U		0.00187	0.0100
2,6-Dinitrotoluene	U		0.00186	0.0100
Fluoranthene	U		0.000229	0.00100
Fluorene	U		0.000277	0.00100
Hexachlorobenzene	U		0.000259	0.00100
Hexachloro-1,3-butadiene	U		0.00227	0.0100
Hexachlorocyclopentadiene	U		0.00281	0.0100
Hexachloroethane	U		0.00215	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100
Isophorone	U		0.00172	0.0100
1-Methylnaphthalene	U		0.000245	0.00100
2-Methylnaphthalene	U		0.000276	0.00100
Naphthalene	U		0.000678	0.00100
Nitrobenzene	U		0.00197	0.0100
n-Nitrosodiphenylamine	U		0.00202	0.0100
n-Nitrosodi-n-propylamine	U		0.00202	0.0100

Method Blank (MB)

(MB) R4259171-3 08/13/25 12:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000219	0.00100
Benzylbutyl phthalate	U		0.00113	0.00300
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300
Di-n-butyl phthalate	U		0.000794	0.00300
Diethyl phthalate	U		0.000861	0.00300
Dimethyl phthalate	U		0.000772	0.00300
Di-n-octyl phthalate	U		0.00133	0.00300
Pyrene	U		0.000259	0.00100
1,2,4-Trichlorobenzene	U		0.00230	0.0100
4-Chloro-3-methylphenol	U		0.00228	0.0100
2-Chlorophenol	U		0.00211	0.0100
2,4-Dichlorophenol	U		0.00241	0.0100
2,4-Dimethylphenol	U		0.00433	0.0100
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100
2,4-Dinitrophenol	U		0.00571	0.0100
2-Nitrophenol	U		0.00260	0.0100
2-Nitroaniline	U		0.00236	0.0100
2-Methylphenol	U		0.00170	0.0100
3&4-Methyl Phenol	U		0.00154	0.0100
3-Nitroaniline	U		0.00120	0.0100
4-Chloroaniline	U		0.00506	0.0100
4-Nitroaniline	U		0.00211	0.0100
4-Nitrophenol	U		0.00755	0.0100
Pentachlorophenol	U		0.000708	0.0100
Phenol	U		0.000757	0.0100
2,4,5-Trichlorophenol	U		0.00270	0.0100
2,4,6-Trichlorophenol	U		0.00238	0.0100
(S) 2-Fluorophenol	*33.4*			*10.0-120*
(S) Phenol-d5	*21.8*			*10.0-120*
(S) Nitrobenzene-d5	*67.9*			*10.0-127*
(S) 2-Fluorobiphenyl	*51.5*			*10.0-130*
(S) 2,4,6-Tribromophenol	*36.5*			*10.0-155*
(S) p-Terphenyl-d14	*53.0*			*10.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4259171-1 08/13/25 12:00 • (LCSD) R4259171-2 08/13/25 12:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0277	0.0307	55.4	61.4	41.0-120			10.3	22
Acenaphthylene	0.0500	0.0280	0.0316	56.0	63.2	43.0-120			12.1	22
Acetophenone	0.0500	0.0267	0.0307	53.4	61.4	29.0-120			13.9	28
Anthracene	0.0500	0.0271	0.0283	54.2	56.6	45.0-120			4.33	20
Atrazine	0.0500	0.0355	0.0360	71.0	72.0	39.0-141			1.40	20
Benzo(a)anthracene	0.0500	0.0322	0.0306	64.4	61.2	47.0-120			5.10	20
Benzaldehyde	0.0500	0.0540	0.0616	108	123	10.0-160			13.1	40
Benzo(b)fluoranthene	0.0500	0.0309	0.0281	61.8	56.2	46.0-120			9.49	20
Benzo(k)fluoranthene	0.0500	0.0312	0.0274	62.4	54.8	46.0-120			13.0	21
Benzo(g,h,i)perylene	0.0500	0.0313	0.0262	62.6	52.4	48.0-121			17.7	20
Benzo(a)pyrene	0.0500	0.0308	0.0269	61.6	53.8	47.0-120			13.5	20
Biphenyl	0.0500	0.0251	0.0285	50.2	57.0	38.0-120			12.7	27
Bis(2-chlorethoxy)methane	0.0500	0.0268	0.0300	53.6	60.0	33.0-120			11.3	24
Bis(2-chloroethyl)ether	0.0500	0.0265	0.0339	53.0	67.8	23.0-120			24.5	33
2,2-Oxybis(1-Chloropropane)	0.0500	0.0217	0.0242	43.4	48.4	28.0-120			10.9	31
4-Bromophenyl-phenylether	0.0500	0.0265	0.0296	53.0	59.2	45.0-120			11.1	20
2-Chloronaphthalene	0.0500	0.0240	0.0271	48.0	54.2	37.0-120			12.1	25
4-Chlorophenyl-phenylether	0.0500	0.0296	0.0324	59.2	64.8	44.0-120			9.03	20
Caprolactam	0.0500	0.0123	0.0114	24.6	22.8	10.0-120			7.59	26
Carbazole	0.0500	0.0315	0.0319	63.0	63.8	51.0-122			1.26	20
Chrysene	0.0500	0.0314	0.0287	62.8	57.4	48.0-120			8.99	20
Dibenz(a,h)anthracene	0.0500	0.0317	0.0273	63.4	54.6	47.0-120			14.9	20
Dibenzofuran	0.0500	0.0268	0.0300	53.6	60.0	44.0-120			11.3	22
3,3-Dichlorobenzidine	0.100	0.0501	0.0492	50.1	49.2	44.0-120			1.81	20
2,4-Dinitrotoluene	0.0500	0.0362	0.0372	72.4	74.4	49.0-124			2.72	20
2,6-Dinitrotoluene	0.0500	0.0322	0.0342	64.4	68.4	46.0-120			6.02	21
Fluoranthene	0.0500	0.0355	0.0348	71.0	69.6	51.0-120			1.99	20
Fluorene	0.0500	0.0286	0.0305	57.2	61.0	47.0-120			6.43	20
Hexachlorobenzene	0.0500	0.0255	0.0254	51.0	50.8	44.0-120			0.393	20
Hexachloro-1,3-butadiene	0.0500	0.0238	0.0257	47.6	51.4	19.0-120			7.68	32
Hexachlorocyclopentadiene	0.0500	0.0100	0.0147	20.0	29.4	15.0-120	J	J3	38.1	31
Hexachloroethane	0.0500	0.0202	0.0233	40.4	46.6	15.0-120			14.3	37
Indeno(1,2,3-cd)pyrene	0.0500	0.0319	0.0283	63.8	56.6	49.0-122			12.0	20
Isophorone	0.0500	0.0311	0.0342	62.2	68.4	36.0-120			9.49	23
1-Methylnaphthalene	0.0500	0.0260	0.0288	52.0	57.6	33.0-120			10.2	24
2-Methylnaphthalene	0.0500	0.0254	0.0285	50.8	57.0	33.0-120			11.5	25
Naphthalene	0.0500	0.0214	0.0244	42.8	48.8	27.0-120			13.1	27
Nitrobenzene	0.0500	0.0296	0.0334	59.2	66.8	27.0-120			12.1	29
n-Nitrosodiphenylamine	0.0500	0.0217	0.0234	43.4	46.8	47.0-120	J4	J4	7.54	20
n-Nitrosodi-n-propylamine	0.0500	0.0311	0.0341	62.2	68.2	31.0-120			9.20	28

Received by OCD: 4/15/2026 4:26:32 PM

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4259171-1 08/13/25 12:00 • (LCSD) R4259171-2 08/13/25 12:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0500	0.0269	0.0284	53.8	56.8	46.0-120			5.42	20
Benzylbutyl phthalate	0.0500	0.0327	0.0314	65.4	62.8	43.0-121			4.06	20
Bis(2-ethylhexyl)phthalate	0.0500	0.0292	0.0246	58.4	49.2	43.0-122			17.1	20
Di-n-butyl phthalate	0.0500	0.0319	0.0324	63.8	64.8	49.0-121			1.56	20
Diethyl phthalate	0.0500	0.0325	0.0333	65.0	66.6	48.0-122			2.43	20
Dimethyl phthalate	0.0500	0.0340	0.0346	68.0	69.2	48.0-120			1.75	20
Di-n-octyl phthalate	0.0500	0.0340	0.0281	68.0	56.2	42.0-125			19.0	20
Pyrene	0.0500	0.0305	0.0299	61.0	59.8	47.0-120			1.99	20
1,2,4-Trichlorobenzene	0.0500	0.0251	0.0295	50.2	59.0	24.0-120			16.1	29
4-Chloro-3-methylphenol	0.0500	0.0277	0.0297	55.4	59.4	40.0-120			6.97	21
2-Chlorophenol	0.0500	0.0177	0.0204	35.4	40.8	25.0-120			14.2	35
2,4-Dichlorophenol	0.0500	0.0233	0.0280	46.6	56.0	36.0-120			18.3	26
2,4-Dimethylphenol	0.0500	0.0224	0.0246	44.8	49.2	33.0-120			9.36	26
4,6-Dinitro-2-methylphenol	0.0500	0.0311	0.0331	62.2	66.2	38.0-138			6.23	25
2,4-Dinitrophenol	0.0500	0.0298	0.0291	59.6	58.2	10.0-120			2.38	39
2-Nitrophenol	0.0500	0.0268	0.0303	53.6	60.6	31.0-120			12.3	29
2-Nitroaniline	0.0500	0.0326	0.0332	65.2	66.4	43.0-120			1.82	22
2-Methylphenol	0.0500	0.0168	0.0179	33.6	35.8	28.0-120			6.34	29
3&4-Methyl Phenol	0.0500	0.0182	0.0204	36.4	40.8	31.0-120			11.4	30
3-Nitroaniline	0.0500	0.0318	0.0279	63.6	55.8	38.0-120			13.1	21
4-Chloroaniline	0.0500	0.0258	0.0173	51.6	34.6	25.0-120		J3	39.4	25
4-Nitroaniline	0.0500	0.0309	0.0316	61.8	63.2	18.0-160			2.24	21
4-Nitrophenol	0.0500	0.0117	0.0728	23.4	146	10.0-120		J3 J4	145	33
Pentachlorophenol	0.0500	0.0223	0.0207	44.6	41.4	23.0-120			7.44	25
Phenol	0.0500	0.0119	0.0110	23.8	22.0	10.0-120			7.86	36
2,4,5-Trichlorophenol	0.0500	0.0286	0.0321	57.2	64.2	44.0-120			11.5	22
2,4,6-Trichlorophenol	0.0500	0.0286	0.0312	57.2	62.4	42.0-120			8.70	23
(S) 2-Fluorophenol				*37.4*	*37.2*	*10.0-120*				
(S) Phenol-d5				*26.4*	*24.4*	*10.0-120*				
(S) Nitrobenzene-d5				*61.8*	*68.1*	*10.0-127*				
(S) 2-Fluorobiphenyl				*52.4*	*58.2*	*10.0-130*				
(S) 2,4,6-Tribromophenol				*46.4*	*52.0*	*10.0-155*				
(S) p-Terphenyl-d14				*60.3*	*53.1*	*10.0-128*				

Released to Imaging: 4/17/2026 3:09:37 PM

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TRC Solutions - Austin, TX

505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to:
Julie Speer 512-684-3176

Email To:
jspeer@trccompanies.com;aeljuri@trccompanie

Project Description:
Lovington Lea Refinery

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #
648909.0000.0000

Lab Project #
TRCATX-LOVINGTON NAV

Collected by (print):
Bryan Boyles

Site/Facility ID #

P.O. #
227146

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS-FF 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260-TripBlank 40mlAmb-HCl-Blk		Remarks	Sample # (lab only)
~~WW-NORTH~~		GW				13	X	X	X	X	X	X	X	X			BB Locked out due to pump failure	
WW-SOUTH		GW		7/31/25	1210	13	X	X	X	X	X	X	X	X				01
WW-EAST		GW			1250	13	X	X	X	X	X	X	X	X				02
DUP-01		GW			1300	13	X	X	X	X	X	X	X	X				04
TRIP BLANK		GW			—	1									X			

Chain of Custody Page __ of __

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1666406
F243

Acctnum: TRCATX
Template: T115535
Prelogin: P1169814
PM: 526 - Chris McCord
PB: BF 7/3/25
Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:**WetChem-48hr HT** = NITRATE,NITRITE,CHLORIDE,FLUORIDE,SULFATE.
(Sample and ship same day)
NAVAJOMETALSDISS are Field Filtered.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx X Courier _____

Tracking # 732096662407

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/31/25	1330	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			CRoberts

Trip Blank Received: Yes / No
HCl / MeOH
TBR

Temp: 2.1-0.1=2.0 °C TUM Bottles Received: 39

Date: 08.01.25 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

November 12, 2025

TRC Solutions - Austin, TX

Sample Delivery Group:	L1906747
Samples Received:	10/10/2025
Project Number:	648909.0000.0000
Description:	Lovington Lea Refinery

Report To: Julie Speer
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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MW-6 L1906747-01

Collected by: JT/HMI Team | Collected date/time: 10/09/25 10:45 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 02:17	10/11/25 02:17	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	5	10/11/25 07:47	10/11/25 07:47	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 20:03	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 17:01	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:22	UNP	Mt. Juliet, TN

MW-8 L1906747-02

Collected by: JT/HMI Team | Collected date/time: 10/09/25 10:00 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2618636	1	10/12/25 00:25	10/13/25 09:16	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 02:29	10/11/25 02:29	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	5	10/11/25 07:58	10/11/25 07:58	ZSA	Mt. Juliet, TN

MW-11R L1906747-03

Collected by: JT/HMI Team | Collected date/time: 10/09/25 08:25 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618659	1	10/12/25 06:12	10/12/25 06:12	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/18/25 02:04	MBE	Mt. Juliet, TN

MW-12R2 L1906747-04

Collected by: JT/HMI Team | Collected date/time: 10/09/25 10:55 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618659	1	10/12/25 06:32	10/12/25 06:32	DYW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/18/25 02:25	MBE	Mt. Juliet, TN

MW-13R L1906747-05

Collected by: JT/HMI Team | Collected date/time: 10/09/25 09:25 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2618636	1	10/12/25 00:25	10/13/25 09:16	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 02:40	10/11/25 02:40	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	5	10/11/25 08:10	10/11/25 08:10	ZSA	Mt. Juliet, TN

MW-15R L1906747-06

Collected by: JT/HMI Team | Collected date/time: 10/09/25 11:50 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2618636	1	10/12/25 00:25	10/13/25 09:16	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 02:51	10/11/25 02:51	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	10	10/11/25 08:21	10/11/25 08:21	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 19:25	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 16:37	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 11:59	UNP	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-19R L1906747-07

Collected by: JT/HMI Team | Collected date/time: 10/09/25 11:40 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2618636	1	10/12/25 00:25	10/13/25 09:16	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 03:37	10/11/25 03:37	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	5	10/11/25 08:44	10/11/25 08:44	ZSA	Mt. Juliet, TN

MW-28R L1906747-08

Collected by: JT/HMI Team | Collected date/time: 10/09/25 13:00 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 03:48	10/11/25 03:48	ZSA	Mt. Juliet, TN

MW-29R L1906747-09

Collected by: JT/HMI Team | Collected date/time: 10/09/25 12:20 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 20:10	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 17:04	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:37	UNP	Mt. Juliet, TN

MW-32 L1906747-10

Collected by: JT/HMI Team | Collected date/time: 10/09/25 08:30 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2618636	1	10/12/25 00:25	10/13/25 09:16	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 04:00	10/11/25 04:00	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 20:13	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 17:06	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:40	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2618749	1	10/13/25 21:20	10/13/25 21:20	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618659	1	10/12/25 06:53	10/12/25 06:53	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2618894	1	10/14/25 14:29	10/16/25 01:24	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1.09	10/16/25 06:36	10/21/25 08:26	MBE	Mt. Juliet, TN

MW-33 L1906747-11

Collected by: JT/HMI Team | Collected date/time: 10/09/25 09:40 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2618636	1	10/12/25 00:25	10/13/25 09:16	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 04:56	10/11/25 04:56	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 19:41	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 16:47	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:12	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2618752	1	10/12/25 05:23	10/12/25 05:23	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618659	1	10/12/25 07:14	10/12/25 07:14	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2618894	1	10/14/25 14:29	10/16/25 04:05	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/18/25 03:29	MBE	Mt. Juliet, TN

WW-SOUTH L1906747-12

Collected by: JT/HMI Team | Collected date/time: 10/09/25 08:50 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2619294	1	10/13/25 14:55	10/14/25 11:51	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 04:22	10/11/25 04:22	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	5	10/11/25 09:18	10/11/25 09:18	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 20:15	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 17:08	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:44	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2618749	1	10/13/25 21:43	10/13/25 21:43	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618659	1	10/12/25 07:34	10/12/25 07:34	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2618894	1	10/14/25 14:29	10/16/25 01:44	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/18/25 02:47	MBE	Mt. Juliet, TN

WW-EAST L1906747-13

Collected by: JT/HMI Team | Collected date/time: 10/09/25 09:40 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2619294	1	10/13/25 14:55	10/14/25 11:51	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 05:42	10/11/25 05:42	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 20:18	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 17:11	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:47	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2618749	1	10/13/25 22:05	10/13/25 22:05	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618659	1	10/12/25 07:55	10/12/25 07:55	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2618894	1	10/14/25 14:29	10/24/25 23:04	CAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/18/25 03:08	MBE	Mt. Juliet, TN

DUP-01 L1906747-14

Collected by: JT/HMI Team | Collected date/time: 10/09/25 10:00 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2619294	1	10/13/25 14:55	10/14/25 11:51	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 05:53	10/11/25 05:53	ZSA	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	5	10/11/25 09:41	10/11/25 09:41	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 20:25	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 17:13	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:50	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2618749	1	10/13/25 22:28	10/13/25 22:28	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618717	1	10/12/25 01:01	10/12/25 01:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2619609	1	10/14/25 06:21	10/14/25 06:21	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2618894	1	10/14/25 14:29	10/16/25 02:04	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/18/25 01:21	MBE	Mt. Juliet, TN

DUP-02 L1906747-15

Collected by: JT/HMI Team | Collected date/time: 10/09/25 09:00 | Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2619294	1	10/13/25 14:55	10/14/25 11:51	AMG	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2618041	1	10/11/25 06:05	10/11/25 06:05	ZSA	Mt. Juliet, TN
Mercury by Method 7470A	WG2618262	1	10/17/25 21:57	10/19/25 20:27	NDL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2619189	1	10/13/25 12:47	10/13/25 17:16	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2619195	1	10/13/25 14:22	11/11/25 12:54	UNP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D	WG2618749	1	10/13/25 22:50	10/13/25 22:50	KST	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618717	1	10/12/25 01:20	10/12/25 01:20	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2619609	1	10/14/25 06:41	10/14/25 06:41	ACG	Mt. Juliet, TN

DUP-02 L1906747-15

Collected by: JT/HMI Team
Collected date/time: 10/09/25 09:00
Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015D	WG2618894	3	10/14/25 14:29	10/16/25 02:24	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/21/25 08:47	MBE	Mt. Juliet, TN

EB-01 L1906747-16

Collected by: JT/HMI Team
Collected date/time: 10/09/25 08:35
Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618717	1	10/11/25 23:42	10/11/25 23:42	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG2622119	1	10/16/25 06:36	10/18/25 01:43	MBE	Mt. Juliet, TN

TRIP BLANK-01 L1906747-17

Collected by: JT/HMI Team
Collected date/time: 10/09/25 00:00
Received date/time: 10/10/25 08:30

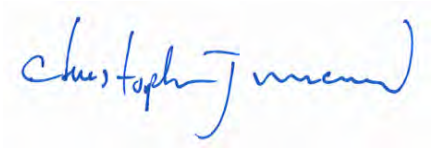
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618717	1	10/11/25 22:13	10/11/25 22:13	DWR	Mt. Juliet, TN

TRIP BLANK-02 L1906747-18

Collected by: JT/HMI Team
Collected date/time: 10/09/25 00:00
Received date/time: 10/10/25 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2618717	1	10/11/25 22:32	10/11/25 22:32	DWR	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	126		2.74	5.00	5	10/11/2025 07:47	WG2618041
Fluoride	0.699		0.0761	0.150	1	10/11/2025 02:17	WG2618041
Nitrate as (N)	7.79		0.0884	0.100	1	10/11/2025 02:17	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 02:17	WG2618041
Sulfate	82.9		0.637	5.00	1	10/11/2025 02:17	WG2618041

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/19/2025 20:03	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.191	J	0.0232	0.200	1	10/13/2025 17:01	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	0.0864	J	0.0160	0.100	1	11/11/2025 12:22	WG2619195
Arsenic,Dissolved	0.00773		0.000120	0.00200	1	11/11/2025 12:22	WG2619195
Barium,Dissolved	0.189		0.000500	0.00200	1	11/11/2025 12:22	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:22	WG2619195
Chromium,Dissolved	0.00156	J	0.000900	0.00200	1	11/11/2025 12:22	WG2619195
Copper,Dissolved	0.0141		0.000700	0.00500	1	11/11/2025 12:22	WG2619195
Cobalt,Dissolved	0.000600	J	0.000100	0.00200	1	11/11/2025 12:22	WG2619195
Iron,Dissolved	0.374		0.0226	0.100	1	11/11/2025 12:22	WG2619195
Lead,Dissolved	0.00189	B J	0.000500	0.00200	1	11/11/2025 12:22	WG2619195
Manganese,Dissolved	0.175		0.000700	0.00500	1	11/11/2025 12:22	WG2619195
Molybdenum,Dissolved	0.00165	J	0.000500	0.00500	1	11/11/2025 12:22	WG2619195
Nickel,Dissolved	0.00462		0.000500	0.00200	1	11/11/2025 12:22	WG2619195
Selenium,Dissolved	0.00312		0.000250	0.00200	1	11/11/2025 12:22	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:22	WG2619195
Uranium,Dissolved	0.00459		0.000130	0.00100	1	11/11/2025 12:22	WG2619195
Zinc,Dissolved	0.0920		0.00400	0.0250	1	11/11/2025 12:22	WG2619195

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1230		25.0	1	10/13/2025 09:16	WG2618636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	235		2.74	5.00	5	10/11/2025 07:58	WG2618041
Fluoride	0.702		0.0761	0.150	1	10/11/2025 02:29	WG2618041
Nitrate as (N)	6.66		0.0884	0.100	1	10/11/2025 02:29	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 02:29	WG2618041
Sulfate	172		3.18	25.0	5	10/11/2025 07:58	WG2618041

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0469	0.0500	1	10/12/2025 06:12	WG2618659
Benzene	0.00460		0.000320	0.00100	1	10/12/2025 06:12	WG2618659
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 06:12	WG2618659
Bromoform	U		0.000548	0.00100	1	10/12/2025 06:12	WG2618659
Bromomethane	U		0.00485	0.00500	1	10/12/2025 06:12	WG2618659
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 06:12	WG2618659
sec-Butylbenzene	0.000418	J	0.000355	0.00100	1	10/12/2025 06:12	WG2618659
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 06:12	WG2618659
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 06:12	WG2618659
Carbon tetrachloride	U		0.000360	0.00100	1	10/12/2025 06:12	WG2618659
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 06:12	WG2618659
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 06:12	WG2618659
Chloroethane	U		0.00279	0.00500	1	10/12/2025 06:12	WG2618659
Chloroform	U		0.00128	0.00500	1	10/12/2025 06:12	WG2618659
Chloromethane	U		0.00170	0.00500	1	10/12/2025 06:12	WG2618659
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 06:12	WG2618659
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 06:12	WG2618659
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 06:12	WG2618659
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 06:12	WG2618659
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 06:12	WG2618659
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 06:12	WG2618659
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 06:12	WG2618659
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 06:12	WG2618659
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 06:12	WG2618659
Ethylbenzene	U		0.000234	0.00100	1	10/12/2025 06:12	WG2618659
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	10/12/2025 06:12	WG2618659
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 06:12	WG2618659
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 06:12	WG2618659
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 06:12	WG2618659
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 06:12	WG2618659
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 06:12	WG2618659
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 06:12	WG2618659
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 06:12	WG2618659
Naphthalene	U		0.00264	0.00500	1	10/12/2025 06:12	WG2618659
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 06:12	WG2618659
Styrene	U		0.000342	0.00100	1	10/12/2025 06:12	WG2618659
1,1,2,2-Tetrachloroethane	U	C3	0.000354	0.00100	1	10/12/2025 06:12	WG2618659
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 06:12	WG2618659
Toluene	U		0.000274	0.00100	1	10/12/2025 06:12	WG2618659
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 06:12	WG2618659
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 06:12	WG2618659
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 06:12	WG2618659
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/12/2025 06:12	WG2618659
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 06:12	WG2618659
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 06:12	WG2618659
Xylenes, Total	U		0.000319	0.00300	1	10/12/2025 06:12	WG2618659
(S) Toluene-d8	*103*			*80.0-120*		*10/12/2025 06:12*	WG2618659
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*		*10/12/2025 06:12*	WG2618659
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*10/12/2025 06:12*	WG2618659

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.000246	0.00100	1	10/18/2025 02:04	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/18/2025 02:04	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/18/2025 02:04	WG2622119
Anthracene	U		0.000196	0.00100	1	10/18/2025 02:04	WG2622119
Atrazine	U		0.00244	0.0100	1	10/18/2025 02:04	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/18/2025 02:04	WG2622119
Benzaldehyde	U	C7	0.00866	0.0100	1	10/18/2025 02:04	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/18/2025 02:04	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/18/2025 02:04	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/18/2025 02:04	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/18/2025 02:04	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/18/2025 02:04	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/18/2025 02:04	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/18/2025 02:04	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/18/2025 02:04	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/18/2025 02:04	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/18/2025 02:04	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/18/2025 02:04	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/18/2025 02:04	WG2622119
Carbazole	U		0.00211	0.0100	1	10/18/2025 02:04	WG2622119
Chrysene	U		0.000279	0.00100	1	10/18/2025 02:04	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/18/2025 02:04	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/18/2025 02:04	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/18/2025 02:04	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/18/2025 02:04	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/18/2025 02:04	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/18/2025 02:04	WG2622119
Fluorene	U		0.000277	0.00100	1	10/18/2025 02:04	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/18/2025 02:04	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/18/2025 02:04	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/18/2025 02:04	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/18/2025 02:04	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/18/2025 02:04	WG2622119
Isophorone	U		0.00172	0.0100	1	10/18/2025 02:04	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/18/2025 02:04	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/18/2025 02:04	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/18/2025 02:04	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/18/2025 02:04	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/18/2025 02:04	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/18/2025 02:04	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/18/2025 02:04	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/18/2025 02:04	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/18/2025 02:04	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/18/2025 02:04	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/18/2025 02:04	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/18/2025 02:04	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/18/2025 02:04	WG2622119
Pyrene	U		0.000259	0.00100	1	10/18/2025 02:04	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/18/2025 02:04	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/18/2025 02:04	WG2622119
2-Chlorophenol	U		0.00211	0.0100	1	10/18/2025 02:04	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/18/2025 02:04	WG2622119
2,4-Dimethylphenol	U		0.00433	0.0100	1	10/18/2025 02:04	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/18/2025 02:04	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/18/2025 02:04	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/18/2025 02:04	WG2622119

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.00236	0.0100	1	10/18/2025 02:04	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/18/2025 02:04	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/18/2025 02:04	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/18/2025 02:04	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/18/2025 02:04	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/18/2025 02:04	WG2622119
4-Nitrophenol	U	C3	0.00755	0.0100	1	10/18/2025 02:04	WG2622119
Pentachlorophenol	U	C3	0.000708	0.0100	1	10/18/2025 02:04	WG2622119
Phenol	U		0.000757	0.0100	1	10/18/2025 02:04	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/18/2025 02:04	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/18/2025 02:04	WG2622119
(S) 2-Fluorophenol	*36.2*			*10.0-120*		*10/18/2025 02:04*	WG2622119
(S) Phenol-d5	*28.9*			*10.0-120*		*10/18/2025 02:04*	WG2622119
(S) Nitrobenzene-d5	*65.7*			*10.0-127*		*10/18/2025 02:04*	WG2622119
(S) 2-Fluorobiphenyl	*61.2*			*10.0-130*		*10/18/2025 02:04*	WG2622119
(S) 2,4,6-Tribromophenol	*71.3*			*10.0-155*		*10/18/2025 02:04*	WG2622119
(S) p-Terphenyl-d14	*74.7*			*10.0-128*		*10/18/2025 02:04*	WG2622119

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0469	0.0500	1	10/12/2025 06:32	WG2618659
Benzene	U		0.000320	0.00100	1	10/12/2025 06:32	WG2618659
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 06:32	WG2618659
Bromoform	U		0.000548	0.00100	1	10/12/2025 06:32	WG2618659
Bromomethane	U		0.00485	0.00500	1	10/12/2025 06:32	WG2618659
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 06:32	WG2618659
sec-Butylbenzene	U		0.000355	0.00100	1	10/12/2025 06:32	WG2618659
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 06:32	WG2618659
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 06:32	WG2618659
Carbon tetrachloride	U		0.000360	0.00100	1	10/12/2025 06:32	WG2618659
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 06:32	WG2618659
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 06:32	WG2618659
Chloroethane	U		0.00279	0.00500	1	10/12/2025 06:32	WG2618659
Chloroform	U		0.00128	0.00500	1	10/12/2025 06:32	WG2618659
Chloromethane	U		0.00170	0.00500	1	10/12/2025 06:32	WG2618659
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 06:32	WG2618659
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 06:32	WG2618659
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 06:32	WG2618659
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 06:32	WG2618659
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 06:32	WG2618659
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 06:32	WG2618659
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 06:32	WG2618659
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 06:32	WG2618659
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 06:32	WG2618659
Ethylbenzene	U		0.000234	0.00100	1	10/12/2025 06:32	WG2618659
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	10/12/2025 06:32	WG2618659
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 06:32	WG2618659
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 06:32	WG2618659
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 06:32	WG2618659
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 06:32	WG2618659
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 06:32	WG2618659
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 06:32	WG2618659
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 06:32	WG2618659
Naphthalene	U		0.00264	0.00500	1	10/12/2025 06:32	WG2618659
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 06:32	WG2618659
Styrene	U		0.000342	0.00100	1	10/12/2025 06:32	WG2618659
1,1,2,2-Tetrachloroethane	U	C3	0.000354	0.00100	1	10/12/2025 06:32	WG2618659
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 06:32	WG2618659
Toluene	U		0.000274	0.00100	1	10/12/2025 06:32	WG2618659
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 06:32	WG2618659
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 06:32	WG2618659
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 06:32	WG2618659
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/12/2025 06:32	WG2618659
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 06:32	WG2618659
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 06:32	WG2618659
Xylenes, Total	U		0.000319	0.00300	1	10/12/2025 06:32	WG2618659
(S) Toluene-d8	*105*			*80.0-120*		*10/12/2025 06:32*	WG2618659
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*10/12/2025 06:32*	WG2618659
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*10/12/2025 06:32*	WG2618659

MW-12R2
Collected date/time: 10/09/25 10:55
L1906747

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	10/18/2025 02:25	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/18/2025 02:25	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/18/2025 02:25	WG2622119
Anthracene	U		0.000196	0.00100	1	10/18/2025 02:25	WG2622119
Atrazine	U		0.00244	0.0100	1	10/18/2025 02:25	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/18/2025 02:25	WG2622119
Benzaldehyde	U	C7	0.00866	0.0100	1	10/18/2025 02:25	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/18/2025 02:25	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/18/2025 02:25	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/18/2025 02:25	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/18/2025 02:25	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/18/2025 02:25	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/18/2025 02:25	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/18/2025 02:25	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/18/2025 02:25	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/18/2025 02:25	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/18/2025 02:25	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/18/2025 02:25	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/18/2025 02:25	WG2622119
Carbazole	U		0.00211	0.0100	1	10/18/2025 02:25	WG2622119
Chrysene	U		0.000279	0.00100	1	10/18/2025 02:25	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/18/2025 02:25	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/18/2025 02:25	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/18/2025 02:25	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/18/2025 02:25	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/18/2025 02:25	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/18/2025 02:25	WG2622119
Fluorene	U		0.000277	0.00100	1	10/18/2025 02:25	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/18/2025 02:25	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/18/2025 02:25	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/18/2025 02:25	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/18/2025 02:25	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/18/2025 02:25	WG2622119
Isophorone	U		0.00172	0.0100	1	10/18/2025 02:25	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/18/2025 02:25	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/18/2025 02:25	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/18/2025 02:25	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/18/2025 02:25	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/18/2025 02:25	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/18/2025 02:25	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/18/2025 02:25	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/18/2025 02:25	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/18/2025 02:25	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/18/2025 02:25	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/18/2025 02:25	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/18/2025 02:25	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/18/2025 02:25	WG2622119
Pyrene	U		0.000259	0.00100	1	10/18/2025 02:25	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/18/2025 02:25	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/18/2025 02:25	WG2622119
2-Chlorophenol	U		0.00211	0.0100	1	10/18/2025 02:25	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/18/2025 02:25	WG2622119
2,4-Dimethylphenol	U		0.00433	0.0100	1	10/18/2025 02:25	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/18/2025 02:25	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/18/2025 02:25	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/18/2025 02:25	WG2622119

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Nitroaniline	U		0.00236	0.0100	1	10/18/2025 02:25	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/18/2025 02:25	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/18/2025 02:25	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/18/2025 02:25	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/18/2025 02:25	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/18/2025 02:25	WG2622119
4-Nitrophenol	U	C3	0.00755	0.0100	1	10/18/2025 02:25	WG2622119
Pentachlorophenol	U	C3	0.000708	0.0100	1	10/18/2025 02:25	WG2622119
Phenol	U		0.000757	0.0100	1	10/18/2025 02:25	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/18/2025 02:25	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/18/2025 02:25	WG2622119
(S) 2-Fluorophenol	*38.5*			*10.0-120*		*10/18/2025 02:25*	WG2622119
(S) Phenol-d5	*26.3*			*10.0-120*		*10/18/2025 02:25*	WG2622119
(S) Nitrobenzene-d5	*52.9*			*10.0-127*		*10/18/2025 02:25*	WG2622119
(S) 2-Fluorobiphenyl	*49.9*			*10.0-130*		*10/18/2025 02:25*	WG2622119
(S) 2,4,6-Tribromophenol	*62.1*			*10.0-155*		*10/18/2025 02:25*	WG2622119
(S) p-Terphenyl-d14	*73.9*			*10.0-128*		*10/18/2025 02:25*	WG2622119

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1260		20.0	1	10/13/2025 09:16	WG2618636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	282		2.74	5.00	5	10/11/2025 08:10	WG2618041
Fluoride	0.402		0.0761	0.150	1	10/11/2025 02:40	WG2618041
Nitrate as (N)	4.13		0.0884	0.100	1	10/11/2025 02:40	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 02:40	WG2618041
Sulfate	123		3.18	25.0	5	10/11/2025 08:10	WG2618041

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1560		25.0	1	10/13/2025 09:16	WG2618636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	471		5.47	10.0	10	10/11/2025 08:21	WG2618041
Fluoride	0.661		0.0761	0.150	1	10/11/2025 02:51	WG2618041
Nitrate as (N)	3.40		0.0884	0.100	1	10/11/2025 02:51	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 02:51	WG2618041
Sulfate	88.7	J6	0.637	5.00	1	10/11/2025 02:51	WG2618041

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/19/2025 19:25	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.189	J	0.0232	0.200	1	10/13/2025 16:37	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	11/11/2025 11:59	WG2619195
Arsenic,Dissolved	0.00307		0.000120	0.00200	1	11/11/2025 11:59	WG2619195
Barium,Dissolved	0.100		0.000500	0.00200	1	11/11/2025 11:59	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 11:59	WG2619195
Chromium,Dissolved	0.0160		0.000900	0.00200	1	11/11/2025 11:59	WG2619195
Copper,Dissolved	0.00432	J	0.000700	0.00500	1	11/11/2025 11:59	WG2619195
Cobalt,Dissolved	U		0.000100	0.00200	1	11/11/2025 11:59	WG2619195
Iron,Dissolved	U		0.0226	0.100	1	11/11/2025 11:59	WG2619195
Lead,Dissolved	0.000976	B J	0.000500	0.00200	1	11/11/2025 11:59	WG2619195
Manganese,Dissolved	U		0.000700	0.00500	1	11/11/2025 11:59	WG2619195
Molybdenum,Dissolved	0.00197	J	0.000500	0.00500	1	11/11/2025 11:59	WG2619195
Nickel,Dissolved	U		0.000500	0.00200	1	11/11/2025 11:59	WG2619195
Selenium,Dissolved	0.00213		0.000250	0.00200	1	11/11/2025 11:59	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 11:59	WG2619195
Uranium,Dissolved	0.00197		0.000130	0.00100	1	11/11/2025 11:59	WG2619195
Zinc,Dissolved	0.0318		0.00400	0.0250	1	11/11/2025 11:59	WG2619195

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	917		13.3	1	10/13/2025 09:16	WG2618636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	222		2.74	5.00	5	10/11/2025 08:44	WG2618041
Fluoride	0.631		0.0761	0.150	1	10/11/2025 03:37	WG2618041
Nitrate as (N)	2.42		0.0884	0.100	1	10/11/2025 03:37	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 03:37	WG2618041
Sulfate	36.7		0.637	5.00	1	10/11/2025 03:37	WG2618041

MW-20R
Collected date/time: 10/09/25 13:00
L1906747

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	89.7		0.547	1.00	1	10/11/2025 03:48	WG2618041
Fluoride	1.42		0.0761	0.150	1	10/11/2025 03:48	WG2618041
Nitrate as (N)	U		0.0884	0.100	1	10/11/2025 03:48	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 03:48	WG2618041
Sulfate	68.5		0.637	5.00	1	10/11/2025 03:48	WG2618041

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/19/2025 20:10	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.170	J	0.0232	0.200	1	10/13/2025 17:04	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	11/11/2025 12:37	WG2619195
Arsenic,Dissolved	0.00261		0.000120	0.00200	1	11/11/2025 12:37	WG2619195
Barium,Dissolved	0.0789		0.000500	0.00200	1	11/11/2025 12:37	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:37	WG2619195
Chromium,Dissolved	0.0110		0.000900	0.00200	1	11/11/2025 12:37	WG2619195
Copper,Dissolved	0.00137	J	0.000700	0.00500	1	11/11/2025 12:37	WG2619195
Cobalt,Dissolved	U		0.000100	0.00200	1	11/11/2025 12:37	WG2619195
Iron,Dissolved	U		0.0226	0.100	1	11/11/2025 12:37	WG2619195
Lead,Dissolved	0.000772	B J	0.000500	0.00200	1	11/11/2025 12:37	WG2619195
Manganese,Dissolved	0.00108	J	0.000700	0.00500	1	11/11/2025 12:37	WG2619195
Molybdenum,Dissolved	0.00427	J	0.000500	0.00500	1	11/11/2025 12:37	WG2619195
Nickel,Dissolved	U		0.000500	0.00200	1	11/11/2025 12:37	WG2619195
Selenium,Dissolved	0.00209		0.000250	0.00200	1	11/11/2025 12:37	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:37	WG2619195
Uranium,Dissolved	0.00202		0.000130	0.00100	1	11/11/2025 12:37	WG2619195
Zinc,Dissolved	U		0.00400	0.0250	1	11/11/2025 12:37	WG2619195

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	320		14.3	1	10/13/2025 09:16	WG2618636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	2.98		0.547	1.00	1	10/11/2025 04:00	WG2618041
Fluoride	0.460		0.0761	0.150	1	10/11/2025 04:00	WG2618041
Nitrate as (N)	U		0.0884	0.100	1	10/11/2025 04:00	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 04:00	WG2618041
Sulfate	12.6		0.637	5.00	1	10/11/2025 04:00	WG2618041

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U		0.0000700	0.000200	1	10/19/2025 20:13	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.0370	J	0.0232	0.200	1	10/13/2025 17:06	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	11/11/2025 12:40	WG2619195
Arsenic,Dissolved	0.00601		0.000120	0.00200	1	11/11/2025 12:40	WG2619195
Barium,Dissolved	0.245		0.000500	0.00200	1	11/11/2025 12:40	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:40	WG2619195
Chromium,Dissolved	U		0.000900	0.00200	1	11/11/2025 12:40	WG2619195
Copper,Dissolved	U		0.000700	0.00500	1	11/11/2025 12:40	WG2619195
Cobalt,Dissolved	0.00127	J	0.000100	0.00200	1	11/11/2025 12:40	WG2619195
Iron,Dissolved	0.536		0.0226	0.100	1	11/11/2025 12:40	WG2619195
Lead,Dissolved	0.000986	B J	0.000500	0.00200	1	11/11/2025 12:40	WG2619195
Manganese,Dissolved	0.187		0.000700	0.00500	1	11/11/2025 12:40	WG2619195
Molybdenum,Dissolved	0.00180	J	0.000500	0.00500	1	11/11/2025 12:40	WG2619195
Nickel,Dissolved	0.00200	J	0.000500	0.00200	1	11/11/2025 12:40	WG2619195
Selenium,Dissolved	U		0.000250	0.00200	1	11/11/2025 12:40	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:40	WG2619195
Uranium,Dissolved	0.000320	J	0.000130	0.00100	1	11/11/2025 12:40	WG2619195
Zinc,Dissolved	U		0.00400	0.0250	1	11/11/2025 12:40	WG2619195

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	10/13/2025 21:20	WG2618749
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/13/2025 21:20*	WG2618749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0469	0.0500	1	10/12/2025 06:53	WG2618659
Benzene	U		0.000320	0.00100	1	10/12/2025 06:53	WG2618659
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 06:53	WG2618659
Bromoform	U		0.000548	0.00100	1	10/12/2025 06:53	WG2618659
Bromomethane	U		0.00485	0.00500	1	10/12/2025 06:53	WG2618659
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 06:53	WG2618659
sec-Butylbenzene	U		0.000355	0.00100	1	10/12/2025 06:53	WG2618659
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 06:53	WG2618659
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 06:53	WG2618659
Carbon tetrachloride	U		0.000360	0.00100	1	10/12/2025 06:53	WG2618659
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 06:53	WG2618659
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 06:53	WG2618659
Chloroethane	U		0.00279	0.00500	1	10/12/2025 06:53	WG2618659
Chloroform	U		0.00128	0.00500	1	10/12/2025 06:53	WG2618659
Chloromethane	U		0.00170	0.00500	1	10/12/2025 06:53	WG2618659
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 06:53	WG2618659
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 06:53	WG2618659
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 06:53	WG2618659
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 06:53	WG2618659
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 06:53	WG2618659
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 06:53	WG2618659
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 06:53	WG2618659
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 06:53	WG2618659
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 06:53	WG2618659
Ethylbenzene	U		0.000234	0.00100	1	10/12/2025 06:53	WG2618659
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	10/12/2025 06:53	WG2618659
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 06:53	WG2618659
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 06:53	WG2618659
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 06:53	WG2618659
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 06:53	WG2618659
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 06:53	WG2618659
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 06:53	WG2618659
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 06:53	WG2618659
Naphthalene	U		0.00264	0.00500	1	10/12/2025 06:53	WG2618659
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 06:53	WG2618659
Styrene	U		0.000342	0.00100	1	10/12/2025 06:53	WG2618659
1,1,2,2-Tetrachloroethane	U	C3	0.000354	0.00100	1	10/12/2025 06:53	WG2618659
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 06:53	WG2618659
Toluene	U		0.000274	0.00100	1	10/12/2025 06:53	WG2618659
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 06:53	WG2618659
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 06:53	WG2618659
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 06:53	WG2618659
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/12/2025 06:53	WG2618659
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 06:53	WG2618659
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 06:53	WG2618659
Xylenes, Total	U		0.000319	0.00300	1	10/12/2025 06:53	WG2618659
(S) Toluene-d8	*106*			*80.0-120*		*10/12/2025 06:53*	WG2618659
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*10/12/2025 06:53*	WG2618659
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*10/12/2025 06:53*	WG2618659

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.664		0.0605	0.100	1	10/16/2025 01:24	WG2618894
(S) o-Terphenyl	*102*			*52.0-156*		*10/16/2025 01:24*	WG2618894

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acenaphthene	U		0.000268	0.00109	1.09	10/21/2025 08:26	WG2622119
Acenaphthylene	U		0.000289	0.00109	1.09	10/21/2025 08:26	WG2622119
Acetophenone	U		0.00223	0.0109	1.09	10/21/2025 08:26	WG2622119
Anthracene	U		0.000214	0.00109	1.09	10/21/2025 08:26	WG2622119
Atrazine	U		0.00266	0.0109	1.09	10/21/2025 08:26	WG2622119
Benzo(a)anthracene	U		0.000255	0.00109	1.09	10/21/2025 08:26	WG2622119
Benzaldehyde	U		0.00944	0.0109	1.09	10/21/2025 08:26	WG2622119
Benzo(b)fluoranthene	U		0.000305	0.00109	1.09	10/21/2025 08:26	WG2622119
Benzo(k)fluoranthene	U		0.000269	0.00109	1.09	10/21/2025 08:26	WG2622119
Benzo(g,h,i)perylene	U		0.000277	0.00109	1.09	10/21/2025 08:26	WG2622119
Benzo(a)pyrene	U		0.000140	0.000218	1.09	10/21/2025 08:26	WG2622119
Biphenyl	U		0.00299	0.0109	1.09	10/21/2025 08:26	WG2622119
Bis(2-chlorethoxy)methane	U		0.00205	0.0109	1.09	10/21/2025 08:26	WG2622119
Bis(2-chloroethyl)ether	U		0.00223	0.0109	1.09	10/21/2025 08:26	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00208	0.0109	1.09	10/21/2025 08:26	WG2622119
4-Bromophenyl-phenylether	U		0.00291	0.0109	1.09	10/21/2025 08:26	WG2622119
2-Chloronaphthalene	U		0.000282	0.00109	1.09	10/21/2025 08:26	WG2622119
4-Chlorophenyl-phenylether	U		0.00242	0.0109	1.09	10/21/2025 08:26	WG2622119
Caprolactam	U		0.000802	0.0109	1.09	10/21/2025 08:26	WG2622119
Carbazole	U		0.00230	0.0109	1.09	10/21/2025 08:26	WG2622119
Chrysene	U		0.000304	0.00109	1.09	10/21/2025 08:26	WG2622119
Dibenz(a,h)anthracene	U		0.000161	0.000218	1.09	10/21/2025 08:26	WG2622119
Dibenzofuran	U		0.00274	0.0109	1.09	10/21/2025 08:26	WG2622119
3,3-Dichlorobenzidine	U		0.00826	0.0109	1.09	10/21/2025 08:26	WG2622119
2,4-Dinitrotoluene	U		0.00204	0.0109	1.09	10/21/2025 08:26	WG2622119
2,6-Dinitrotoluene	U		0.00203	0.0109	1.09	10/21/2025 08:26	WG2622119
Fluoranthene	U		0.000250	0.00109	1.09	10/21/2025 08:26	WG2622119
Fluorene	U		0.000302	0.00109	1.09	10/21/2025 08:26	WG2622119
Hexachlorobenzene	U		0.000282	0.00109	1.09	10/21/2025 08:26	WG2622119
Hexachloro-1,3-butadiene	U		0.00247	0.0109	1.09	10/21/2025 08:26	WG2622119
Hexachlorocyclopentadiene	U		0.00306	0.0109	1.09	10/21/2025 08:26	WG2622119
Hexachloroethane	U		0.00234	0.0109	1.09	10/21/2025 08:26	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000311	0.00109	1.09	10/21/2025 08:26	WG2622119
Isophorone	U		0.00187	0.0109	1.09	10/21/2025 08:26	WG2622119
1-Methylnaphthalene	U		0.000267	0.00109	1.09	10/21/2025 08:26	WG2622119
2-Methylnaphthalene	U		0.000301	0.00109	1.09	10/21/2025 08:26	WG2622119
Naphthalene	U		0.000739	0.00109	1.09	10/21/2025 08:26	WG2622119
Nitrobenzene	U		0.00215	0.0109	1.09	10/21/2025 08:26	WG2622119
n-Nitrosodiphenylamine	U		0.00220	0.0109	1.09	10/21/2025 08:26	WG2622119
n-Nitrosodi-n-propylamine	U		0.00220	0.0109	1.09	10/21/2025 08:26	WG2622119
Phenanthrene	U		0.000239	0.00109	1.09	10/21/2025 08:26	WG2622119
Benzylbutyl phthalate	U		0.00123	0.00327	1.09	10/21/2025 08:26	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00180	0.00327	1.09	10/21/2025 08:26	WG2622119
Di-n-butyl phthalate	U		0.000865	0.00327	1.09	10/21/2025 08:26	WG2622119
Diethyl phthalate	U		0.000938	0.00327	1.09	10/21/2025 08:26	WG2622119
Dimethyl phthalate	U		0.000841	0.00327	1.09	10/21/2025 08:26	WG2622119
Di-n-octyl phthalate	U		0.00145	0.00327	1.09	10/21/2025 08:26	WG2622119
Pyrene	U		0.000282	0.00109	1.09	10/21/2025 08:26	WG2622119
1,2,4-Trichlorobenzene	U		0.00251	0.0109	1.09	10/21/2025 08:26	WG2622119
4-Chloro-3-methylphenol	U		0.00249	0.0109	1.09	10/21/2025 08:26	WG2622119
2-Chlorophenol	U		0.00230	0.0109	1.09	10/21/2025 08:26	WG2622119
2,4-Dichlorophenol	U		0.00263	0.0109	1.09	10/21/2025 08:26	WG2622119
2,4-Dimethylphenol	U	C3	0.00472	0.0109	1.09	10/21/2025 08:26	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00380	0.0109	1.09	10/21/2025 08:26	WG2622119
2,4-Dinitrophenol	U		0.00622	0.0109	1.09	10/21/2025 08:26	WG2622119
2-Nitrophenol	U		0.00283	0.0109	1.09	10/21/2025 08:26	WG2622119

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

MW-32
Collected date/time: 10/09/25 08:30
L1906747

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.00257	0.0109	1.09	10/21/2025 08:26	WG2622119
2-Methylphenol	U		0.00185	0.0109	1.09	10/21/2025 08:26	WG2622119
3&4-Methyl Phenol	U		0.00168	0.0109	1.09	10/21/2025 08:26	WG2622119
3-Nitroaniline	U		0.00131	0.0109	1.09	10/21/2025 08:26	WG2622119
4-Chloroaniline	U		0.00552	0.0109	1.09	10/21/2025 08:26	WG2622119
4-Nitroaniline	U		0.00230	0.0109	1.09	10/21/2025 08:26	WG2622119
4-Nitrophenol	U		0.00823	0.0109	1.09	10/21/2025 08:26	WG2622119
Pentachlorophenol	U		0.000772	0.0109	1.09	10/21/2025 08:26	WG2622119
Phenol	U		0.000825	0.0109	1.09	10/21/2025 08:26	WG2622119
2,4,5-Trichlorophenol	U		0.00294	0.0109	1.09	10/21/2025 08:26	WG2622119
2,4,6-Trichlorophenol	U		0.00259	0.0109	1.09	10/21/2025 08:26	WG2622119
(S) 2-Fluorophenol	*48.8*			*10.0-120*		*10/21/2025 08:26*	WG2622119
(S) Phenol-d5	*35.5*			*10.0-120*		*10/21/2025 08:26*	WG2622119
(S) Nitrobenzene-d5	*87.2*			*10.0-127*		*10/21/2025 08:26*	WG2622119
(S) 2-Fluorobiphenyl	*71.7*			*10.0-130*		*10/21/2025 08:26*	WG2622119
(S) 2,4,6-Tribromophenol	*83.4*			*10.0-155*		*10/21/2025 08:26*	WG2622119
(S) p-Terphenyl-d14	*84.7*			*10.0-128*		*10/21/2025 08:26*	WG2622119

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Dissolved Solids	1170		20.0	1	10/13/2025 09:16	WG2618636

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Chloride	81.4	J6	0.547	1.00	1	10/11/2025 04:56	WG2618041
Fluoride	0.578		0.0761	0.150	1	10/11/2025 04:56	WG2618041
Nitrate as (N)	U		0.0884	0.100	1	10/11/2025 04:56	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 04:56	WG2618041
Sulfate	0.929	J	0.637	5.00	1	10/11/2025 04:56	WG2618041

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury	U	J6 O1	0.0000700	0.000200	1	10/19/2025 19:41	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Boron,Dissolved	0.168	J	0.0232	0.200	1	10/13/2025 16:47	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Aluminum,Dissolved	U		0.0160	0.100	1	11/11/2025 12:12	WG2619195
Arsenic,Dissolved	0.00364		0.000120	0.00200	1	11/11/2025 12:12	WG2619195
Barium,Dissolved	0.567		0.000500	0.00200	1	11/11/2025 12:12	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:12	WG2619195
Chromium,Dissolved	U		0.000900	0.00200	1	11/11/2025 12:12	WG2619195
Copper,Dissolved	0.00360	J	0.000700	0.00500	1	11/11/2025 12:12	WG2619195
Cobalt,Dissolved	U		0.000100	0.00200	1	11/11/2025 12:12	WG2619195
Iron,Dissolved	1.29		0.0226	0.100	1	11/11/2025 12:12	WG2619195
Lead,Dissolved	0.000968	B J	0.000500	0.00200	1	11/11/2025 12:12	WG2619195
Manganese,Dissolved	0.674		0.000700	0.00500	1	11/11/2025 12:12	WG2619195
Molybdenum,Dissolved	0.00193	J	0.000500	0.00500	1	11/11/2025 12:12	WG2619195
Nickel,Dissolved	U		0.000500	0.00200	1	11/11/2025 12:12	WG2619195
Selenium,Dissolved	U		0.000250	0.00200	1	11/11/2025 12:12	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:12	WG2619195
Uranium,Dissolved	0.0527		0.000130	0.00100	1	11/11/2025 12:12	WG2619195
Zinc,Dissolved	U		0.00400	0.0250	1	11/11/2025 12:12	WG2619195

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	10/12/2025 05:23	WG2618752
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*78.0-120*		*10/12/2025 05:23*	WG2618752

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0469	0.0500	1	10/12/2025 07:14	WG2618659
Benzene	U		0.000320	0.00100	1	10/12/2025 07:14	WG2618659
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 07:14	WG2618659
Bromoform	U		0.000548	0.00100	1	10/12/2025 07:14	WG2618659
Bromomethane	U		0.00485	0.00500	1	10/12/2025 07:14	WG2618659
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 07:14	WG2618659
sec-Butylbenzene	U		0.000355	0.00100	1	10/12/2025 07:14	WG2618659
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 07:14	WG2618659
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 07:14	WG2618659
Carbon tetrachloride	U		0.000360	0.00100	1	10/12/2025 07:14	WG2618659
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 07:14	WG2618659
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 07:14	WG2618659
Chloroethane	U		0.00279	0.00500	1	10/12/2025 07:14	WG2618659
Chloroform	U		0.00128	0.00500	1	10/12/2025 07:14	WG2618659
Chloromethane	U		0.00170	0.00500	1	10/12/2025 07:14	WG2618659
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 07:14	WG2618659
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 07:14	WG2618659
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 07:14	WG2618659
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 07:14	WG2618659
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 07:14	WG2618659
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 07:14	WG2618659
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 07:14	WG2618659
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 07:14	WG2618659
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 07:14	WG2618659
Ethylbenzene	U		0.000234	0.00100	1	10/12/2025 07:14	WG2618659
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	10/12/2025 07:14	WG2618659
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 07:14	WG2618659
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 07:14	WG2618659
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 07:14	WG2618659
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 07:14	WG2618659
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 07:14	WG2618659
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 07:14	WG2618659
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 07:14	WG2618659
Naphthalene	U		0.00264	0.00500	1	10/12/2025 07:14	WG2618659
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 07:14	WG2618659
Styrene	U		0.000342	0.00100	1	10/12/2025 07:14	WG2618659
1,1,2,2-Tetrachloroethane	U	C3	0.000354	0.00100	1	10/12/2025 07:14	WG2618659
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 07:14	WG2618659
Toluene	U		0.000274	0.00100	1	10/12/2025 07:14	WG2618659
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 07:14	WG2618659
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 07:14	WG2618659
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 07:14	WG2618659
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/12/2025 07:14	WG2618659
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 07:14	WG2618659
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 07:14	WG2618659
Xylenes, Total	U		0.000319	0.00300	1	10/12/2025 07:14	WG2618659
(S) Toluene-d8	*104*			*80.0-120*		*10/12/2025 07:14*	WG2618659
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*10/12/2025 07:14*	WG2618659
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*10/12/2025 07:14*	WG2618659

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.158		0.0605	0.100	1	10/16/2025 04:05	WG2618894
(S) o-Terphenyl	*112*			*52.0-156*		*10/16/2025 04:05*	WG2618894

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	10/18/2025 03:29	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/18/2025 03:29	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/18/2025 03:29	WG2622119
Anthracene	U		0.000196	0.00100	1	10/18/2025 03:29	WG2622119
Atrazine	U		0.00244	0.0100	1	10/18/2025 03:29	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/18/2025 03:29	WG2622119
Benzaldehyde	U	C7	0.00866	0.0100	1	10/18/2025 03:29	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/18/2025 03:29	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/18/2025 03:29	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/18/2025 03:29	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/18/2025 03:29	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/18/2025 03:29	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/18/2025 03:29	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/18/2025 03:29	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/18/2025 03:29	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/18/2025 03:29	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/18/2025 03:29	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/18/2025 03:29	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/18/2025 03:29	WG2622119
Carbazole	U		0.00211	0.0100	1	10/18/2025 03:29	WG2622119
Chrysene	U		0.000279	0.00100	1	10/18/2025 03:29	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/18/2025 03:29	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/18/2025 03:29	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/18/2025 03:29	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/18/2025 03:29	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/18/2025 03:29	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/18/2025 03:29	WG2622119
Fluorene	U		0.000277	0.00100	1	10/18/2025 03:29	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/18/2025 03:29	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/18/2025 03:29	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/18/2025 03:29	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/18/2025 03:29	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/18/2025 03:29	WG2622119
Isophorone	U		0.00172	0.0100	1	10/18/2025 03:29	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/18/2025 03:29	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/18/2025 03:29	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/18/2025 03:29	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/18/2025 03:29	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/18/2025 03:29	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/18/2025 03:29	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/18/2025 03:29	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/18/2025 03:29	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/18/2025 03:29	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/18/2025 03:29	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/18/2025 03:29	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/18/2025 03:29	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/18/2025 03:29	WG2622119
Pyrene	U		0.000259	0.00100	1	10/18/2025 03:29	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/18/2025 03:29	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/18/2025 03:29	WG2622119
2-Chlorophenol	U		0.00211	0.0100	1	10/18/2025 03:29	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/18/2025 03:29	WG2622119
2,4-Dimethylphenol	U		0.00433	0.0100	1	10/18/2025 03:29	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/18/2025 03:29	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/18/2025 03:29	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/18/2025 03:29	WG2622119

MW-33
Collected date/time: 10/09/25 09:40
L1906747

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.00236	0.0100	1	10/18/2025 03:29	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/18/2025 03:29	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/18/2025 03:29	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/18/2025 03:29	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/18/2025 03:29	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/18/2025 03:29	WG2622119
4-Nitrophenol	U	C3	0.00755	0.0100	1	10/18/2025 03:29	WG2622119
Pentachlorophenol	U	C3	0.000708	0.0100	1	10/18/2025 03:29	WG2622119
Phenol	U		0.000757	0.0100	1	10/18/2025 03:29	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/18/2025 03:29	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/18/2025 03:29	WG2622119
(S) 2-Fluorophenol	*42.6*			*10.0-120*		*10/18/2025 03:29*	WG2622119
(S) Phenol-d5	*27.2*			*10.0-120*		*10/18/2025 03:29*	WG2622119
(S) Nitrobenzene-d5	*79.4*			*10.0-127*		*10/18/2025 03:29*	WG2622119
(S) 2-Fluorobiphenyl	*79.1*			*10.0-130*		*10/18/2025 03:29*	WG2622119
(S) 2,4,6-Tribromophenol	*79.9*			*10.0-155*		*10/18/2025 03:29*	WG2622119
(S) p-Terphenyl-d14	*93.0*			*10.0-128*		*10/18/2025 03:29*	WG2622119

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	890		20.0	1	10/14/2025 11:51	WG2619294

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	254		2.74	5.00	5	10/11/2025 09:18	WG2618041
Fluoride	0.787		0.0761	0.150	1	10/11/2025 04:22	WG2618041
Nitrate as (N)	3.01		0.0884	0.100	1	10/11/2025 04:22	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 04:22	WG2618041
Sulfate	88.3		0.637	5.00	1	10/11/2025 04:22	WG2618041

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/19/2025 20:15	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.166	J	0.0232	0.200	1	10/13/2025 17:08	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	0.0391	J	0.0160	0.100	1	11/11/2025 12:44	WG2619195
Arsenic,Dissolved	0.00431		0.000120	0.00200	1	11/11/2025 12:44	WG2619195
Barium,Dissolved	0.0848		0.000500	0.00200	1	11/11/2025 12:44	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:44	WG2619195
Chromium,Dissolved	0.00120	J	0.000900	0.00200	1	11/11/2025 12:44	WG2619195
Copper,Dissolved	0.00122	J	0.000700	0.00500	1	11/11/2025 12:44	WG2619195
Cobalt,Dissolved	U		0.000100	0.00200	1	11/11/2025 12:44	WG2619195
Iron,Dissolved	U		0.0226	0.100	1	11/11/2025 12:44	WG2619195
Lead,Dissolved	0.000696	B J	0.000500	0.00200	1	11/11/2025 12:44	WG2619195
Manganese,Dissolved	0.00166	J	0.000700	0.00500	1	11/11/2025 12:44	WG2619195
Molybdenum,Dissolved	0.00198	J	0.000500	0.00500	1	11/11/2025 12:44	WG2619195
Nickel,Dissolved	0.00388		0.000500	0.00200	1	11/11/2025 12:44	WG2619195
Selenium,Dissolved	0.00358		0.000250	0.00200	1	11/11/2025 12:44	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:44	WG2619195
Uranium,Dissolved	0.00180		0.000130	0.00100	1	11/11/2025 12:44	WG2619195
Zinc,Dissolved	0.0208	J	0.00400	0.0250	1	11/11/2025 12:44	WG2619195

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	10/13/2025 21:43	WG2618749
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/13/2025 21:43*	WG2618749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0469	0.0500	1	10/12/2025 07:34	WG2618659
Benzene	U		0.000320	0.00100	1	10/12/2025 07:34	WG2618659
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 07:34	WG2618659
Bromoform	U		0.000548	0.00100	1	10/12/2025 07:34	WG2618659
Bromomethane	U		0.00485	0.00500	1	10/12/2025 07:34	WG2618659
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 07:34	WG2618659
sec-Butylbenzene	U		0.000355	0.00100	1	10/12/2025 07:34	WG2618659
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 07:34	WG2618659
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 07:34	WG2618659
Carbon tetrachloride	0.000410	J	0.000360	0.00100	1	10/12/2025 07:34	WG2618659
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 07:34	WG2618659
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 07:34	WG2618659
Chloroethane	U		0.00279	0.00500	1	10/12/2025 07:34	WG2618659
Chloroform	U		0.00128	0.00500	1	10/12/2025 07:34	WG2618659
Chloromethane	U		0.00170	0.00500	1	10/12/2025 07:34	WG2618659
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 07:34	WG2618659
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 07:34	WG2618659
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 07:34	WG2618659
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 07:34	WG2618659
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 07:34	WG2618659
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 07:34	WG2618659
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 07:34	WG2618659
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 07:34	WG2618659
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 07:34	WG2618659
Ethylbenzene	U		0.000234	0.00100	1	10/12/2025 07:34	WG2618659
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	10/12/2025 07:34	WG2618659
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 07:34	WG2618659
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 07:34	WG2618659
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 07:34	WG2618659
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 07:34	WG2618659
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 07:34	WG2618659
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 07:34	WG2618659
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 07:34	WG2618659
Naphthalene	U		0.00264	0.00500	1	10/12/2025 07:34	WG2618659
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 07:34	WG2618659
Styrene	U		0.000342	0.00100	1	10/12/2025 07:34	WG2618659
1,1,2,2-Tetrachloroethane	U	C3	0.000354	0.00100	1	10/12/2025 07:34	WG2618659
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 07:34	WG2618659
Toluene	U		0.000274	0.00100	1	10/12/2025 07:34	WG2618659
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 07:34	WG2618659
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 07:34	WG2618659
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 07:34	WG2618659
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/12/2025 07:34	WG2618659
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 07:34	WG2618659
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 07:34	WG2618659
Xylenes, Total	U		0.000319	0.00300	1	10/12/2025 07:34	WG2618659
(S) Toluene-d8	*106*			*80.0-120*		*10/12/2025 07:34*	WG2618659
(S) 4-Bromofluorobenzene	*96.9*			*77.0-126*		*10/12/2025 07:34*	WG2618659
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*10/12/2025 07:34*	WG2618659

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.108		0.0605	0.100	1	10/16/2025 01:44	WG2618894
(S) o-Terphenyl	*108*			*52.0-156*		*10/16/2025 01:44*	WG2618894

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	10/18/2025 02:47	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/18/2025 02:47	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/18/2025 02:47	WG2622119
Anthracene	U		0.000196	0.00100	1	10/18/2025 02:47	WG2622119
Atrazine	U		0.00244	0.0100	1	10/18/2025 02:47	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/18/2025 02:47	WG2622119
Benzaldehyde	U	C7	0.00866	0.0100	1	10/18/2025 02:47	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/18/2025 02:47	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/18/2025 02:47	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/18/2025 02:47	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/18/2025 02:47	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/18/2025 02:47	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/18/2025 02:47	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/18/2025 02:47	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/18/2025 02:47	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/18/2025 02:47	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/18/2025 02:47	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/18/2025 02:47	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/18/2025 02:47	WG2622119
Carbazole	U		0.00211	0.0100	1	10/18/2025 02:47	WG2622119
Chrysene	U		0.000279	0.00100	1	10/18/2025 02:47	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/18/2025 02:47	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/18/2025 02:47	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/18/2025 02:47	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/18/2025 02:47	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/18/2025 02:47	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/18/2025 02:47	WG2622119
Fluorene	U		0.000277	0.00100	1	10/18/2025 02:47	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/18/2025 02:47	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/18/2025 02:47	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/18/2025 02:47	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/18/2025 02:47	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/18/2025 02:47	WG2622119
Isophorone	U		0.00172	0.0100	1	10/18/2025 02:47	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/18/2025 02:47	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/18/2025 02:47	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/18/2025 02:47	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/18/2025 02:47	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/18/2025 02:47	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/18/2025 02:47	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/18/2025 02:47	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/18/2025 02:47	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/18/2025 02:47	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/18/2025 02:47	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/18/2025 02:47	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/18/2025 02:47	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/18/2025 02:47	WG2622119
Pyrene	U		0.000259	0.00100	1	10/18/2025 02:47	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/18/2025 02:47	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/18/2025 02:47	WG2622119
2-Chlorophenol	U		0.00211	0.0100	1	10/18/2025 02:47	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/18/2025 02:47	WG2622119
2,4-Dimethylphenol	U		0.00433	0.0100	1	10/18/2025 02:47	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/18/2025 02:47	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/18/2025 02:47	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/18/2025 02:47	WG2622119

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.00236	0.0100	1	10/18/2025 02:47	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/18/2025 02:47	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/18/2025 02:47	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/18/2025 02:47	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/18/2025 02:47	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/18/2025 02:47	WG2622119
4-Nitrophenol	U	C3	0.00755	0.0100	1	10/18/2025 02:47	WG2622119
Pentachlorophenol	U	C3	0.000708	0.0100	1	10/18/2025 02:47	WG2622119
Phenol	U		0.000757	0.0100	1	10/18/2025 02:47	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/18/2025 02:47	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/18/2025 02:47	WG2622119
(S) 2-Fluorophenol	*44.7*			*10.0-120*		*10/18/2025 02:47*	WG2622119
(S) Phenol-d5	*28.2*			*10.0-120*		*10/18/2025 02:47*	WG2622119
(S) Nitrobenzene-d5	*78.0*			*10.0-127*		*10/18/2025 02:47*	WG2622119
(S) 2-Fluorobiphenyl	*75.3*			*10.0-130*		*10/18/2025 02:47*	WG2622119
(S) 2,4,6-Tribromophenol	*79.7*			*10.0-155*		*10/18/2025 02:47*	WG2622119
(S) p-Terphenyl-d14	*90.4*			*10.0-128*		*10/18/2025 02:47*	WG2622119

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	499		10.0	1	10/14/2025 11:51	WG2619294

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	88.7		0.547	1.00	1	10/11/2025 05:42	WG2618041
Fluoride	0.960		0.0761	0.150	1	10/11/2025 05:42	WG2618041
Nitrate as (N)	2.68		0.0884	0.100	1	10/11/2025 05:42	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 05:42	WG2618041
Sulfate	79.6		0.637	5.00	1	10/11/2025 05:42	WG2618041

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/19/2025 20:18	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.137	J	0.0232	0.200	1	10/13/2025 17:11	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	11/11/2025 12:47	WG2619195
Arsenic,Dissolved	0.00469		0.000120	0.00200	1	11/11/2025 12:47	WG2619195
Barium,Dissolved	0.0760		0.000500	0.00200	1	11/11/2025 12:47	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:47	WG2619195
Chromium,Dissolved	0.00193	J	0.000900	0.00200	1	11/11/2025 12:47	WG2619195
Copper,Dissolved	0.00119	J	0.000700	0.00500	1	11/11/2025 12:47	WG2619195
Cobalt,Dissolved	U		0.000100	0.00200	1	11/11/2025 12:47	WG2619195
Iron,Dissolved	0.0467	J	0.0226	0.100	1	11/11/2025 12:47	WG2619195
Lead,Dissolved	0.000661	B J	0.000500	0.00200	1	11/11/2025 12:47	WG2619195
Manganese,Dissolved	0.00163	J	0.000700	0.00500	1	11/11/2025 12:47	WG2619195
Molybdenum,Dissolved	0.00244	J	0.000500	0.00500	1	11/11/2025 12:47	WG2619195
Nickel,Dissolved	U		0.000500	0.00200	1	11/11/2025 12:47	WG2619195
Selenium,Dissolved	0.00430		0.000250	0.00200	1	11/11/2025 12:47	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:47	WG2619195
Uranium,Dissolved	0.00158		0.000130	0.00100	1	11/11/2025 12:47	WG2619195
Zinc,Dissolved	U		0.00400	0.0250	1	11/11/2025 12:47	WG2619195

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	10/13/2025 22:05	WG2618749
(S) a,a,a-Trifluorotoluene(FID)	*104*			*78.0-120*		*10/13/2025 22:05*	WG2618749

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.0469	0.0500	1	10/12/2025 07:55	WG2618659
Benzene	U		0.000320	0.00100	1	10/12/2025 07:55	WG2618659
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 07:55	WG2618659
Bromoform	U		0.000548	0.00100	1	10/12/2025 07:55	WG2618659
Bromomethane	U		0.00485	0.00500	1	10/12/2025 07:55	WG2618659
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 07:55	WG2618659
sec-Butylbenzene	U		0.000355	0.00100	1	10/12/2025 07:55	WG2618659
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 07:55	WG2618659
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 07:55	WG2618659
Carbon tetrachloride	U		0.000360	0.00100	1	10/12/2025 07:55	WG2618659
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 07:55	WG2618659
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 07:55	WG2618659
Chloroethane	U		0.00279	0.00500	1	10/12/2025 07:55	WG2618659
Chloroform	U		0.00128	0.00500	1	10/12/2025 07:55	WG2618659
Chloromethane	U		0.00170	0.00500	1	10/12/2025 07:55	WG2618659
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 07:55	WG2618659
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 07:55	WG2618659
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 07:55	WG2618659
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 07:55	WG2618659
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 07:55	WG2618659
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 07:55	WG2618659
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 07:55	WG2618659
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 07:55	WG2618659
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 07:55	WG2618659
Ethylbenzene	U		0.000234	0.00100	1	10/12/2025 07:55	WG2618659
Hexachloro-1,3-butadiene	U		0.000650	0.00200	1	10/12/2025 07:55	WG2618659
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 07:55	WG2618659
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 07:55	WG2618659
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 07:55	WG2618659
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 07:55	WG2618659
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 07:55	WG2618659
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 07:55	WG2618659
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 07:55	WG2618659
Naphthalene	U		0.00264	0.00500	1	10/12/2025 07:55	WG2618659
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 07:55	WG2618659
Styrene	U		0.000342	0.00100	1	10/12/2025 07:55	WG2618659
1,1,2,2-Tetrachloroethane	U	C3	0.000354	0.00100	1	10/12/2025 07:55	WG2618659
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 07:55	WG2618659
Toluene	U		0.000274	0.00100	1	10/12/2025 07:55	WG2618659
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 07:55	WG2618659
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 07:55	WG2618659
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 07:55	WG2618659
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/12/2025 07:55	WG2618659
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 07:55	WG2618659
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 07:55	WG2618659
Xylenes, Total	U		0.000319	0.00300	1	10/12/2025 07:55	WG2618659
(S) Toluene-d8	*103*			*80.0-120*		*10/12/2025 07:55*	WG2618659
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/12/2025 07:55*	WG2618659
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*10/12/2025 07:55*	WG2618659

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	10/24/2025 23:04	WG2618894
(S) o-Terphenyl	*90.5*			*52.0-156*		*10/24/2025 23:04*	WG2618894

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	10/18/2025 03:08	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/18/2025 03:08	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/18/2025 03:08	WG2622119
Anthracene	U		0.000196	0.00100	1	10/18/2025 03:08	WG2622119
Atrazine	U		0.00244	0.0100	1	10/18/2025 03:08	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/18/2025 03:08	WG2622119
Benzaldehyde	U	C7	0.00866	0.0100	1	10/18/2025 03:08	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/18/2025 03:08	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/18/2025 03:08	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/18/2025 03:08	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/18/2025 03:08	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/18/2025 03:08	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/18/2025 03:08	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/18/2025 03:08	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/18/2025 03:08	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/18/2025 03:08	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/18/2025 03:08	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/18/2025 03:08	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/18/2025 03:08	WG2622119
Carbazole	U		0.00211	0.0100	1	10/18/2025 03:08	WG2622119
Chrysene	U		0.000279	0.00100	1	10/18/2025 03:08	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/18/2025 03:08	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/18/2025 03:08	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/18/2025 03:08	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/18/2025 03:08	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/18/2025 03:08	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/18/2025 03:08	WG2622119
Fluorene	U		0.000277	0.00100	1	10/18/2025 03:08	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/18/2025 03:08	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/18/2025 03:08	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/18/2025 03:08	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/18/2025 03:08	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/18/2025 03:08	WG2622119
Isophorone	U		0.00172	0.0100	1	10/18/2025 03:08	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/18/2025 03:08	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/18/2025 03:08	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/18/2025 03:08	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/18/2025 03:08	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/18/2025 03:08	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/18/2025 03:08	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/18/2025 03:08	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/18/2025 03:08	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/18/2025 03:08	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/18/2025 03:08	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/18/2025 03:08	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/18/2025 03:08	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/18/2025 03:08	WG2622119
Pyrene	U		0.000259	0.00100	1	10/18/2025 03:08	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/18/2025 03:08	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/18/2025 03:08	WG2622119
2-Chlorophenol	U		0.00211	0.0100	1	10/18/2025 03:08	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/18/2025 03:08	WG2622119
2,4-Dimethylphenol	U		0.00433	0.0100	1	10/18/2025 03:08	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/18/2025 03:08	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/18/2025 03:08	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/18/2025 03:08	WG2622119

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.00236	0.0100	1	10/18/2025 03:08	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/18/2025 03:08	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/18/2025 03:08	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/18/2025 03:08	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/18/2025 03:08	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/18/2025 03:08	WG2622119
4-Nitrophenol	U	C3	0.00755	0.0100	1	10/18/2025 03:08	WG2622119
Pentachlorophenol	U	C3	0.000708	0.0100	1	10/18/2025 03:08	WG2622119
Phenol	0.00227	J	0.000757	0.0100	1	10/18/2025 03:08	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/18/2025 03:08	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/18/2025 03:08	WG2622119
(S) 2-Fluorophenol	*43.5*			*10.0-120*		*10/18/2025 03:08*	WG2622119
(S) Phenol-d5	*30.7*			*10.0-120*		*10/18/2025 03:08*	WG2622119
(S) Nitrobenzene-d5	*73.1*			*10.0-127*		*10/18/2025 03:08*	WG2622119
(S) 2-Fluorobiphenyl	*67.7*			*10.0-130*		*10/18/2025 03:08*	WG2622119
(S) 2,4,6-Tribromophenol	*77.3*			*10.0-155*		*10/18/2025 03:08*	WG2622119
(S) p-Terphenyl-d14	*88.8*			*10.0-128*		*10/18/2025 03:08*	WG2622119

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	922		20.0	1	10/14/2025 11:51	WG2619294

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	254		2.74	5.00	5	10/11/2025 09:41	WG2618041
Fluoride	0.764		0.0761	0.150	1	10/11/2025 05:53	WG2618041
Nitrate as (N)	2.91		0.0884	0.100	1	10/11/2025 05:53	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 05:53	WG2618041
Sulfate	82.0		0.637	5.00	1	10/11/2025 05:53	WG2618041

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/19/2025 20:25	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.169	J	0.0232	0.200	1	10/13/2025 17:13	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	11/11/2025 12:50	WG2619195
Arsenic,Dissolved	0.00417		0.000120	0.00200	1	11/11/2025 12:50	WG2619195
Barium,Dissolved	0.0853		0.000500	0.00200	1	11/11/2025 12:50	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:50	WG2619195
Chromium,Dissolved	0.00130	J	0.000900	0.00200	1	11/11/2025 12:50	WG2619195
Copper,Dissolved	0.00176	J	0.000700	0.00500	1	11/11/2025 12:50	WG2619195
Cobalt,Dissolved	U		0.000100	0.00200	1	11/11/2025 12:50	WG2619195
Iron,Dissolved	U		0.0226	0.100	1	11/11/2025 12:50	WG2619195
Lead,Dissolved	0.000746	B J	0.000500	0.00200	1	11/11/2025 12:50	WG2619195
Manganese,Dissolved	0.00342	J	0.000700	0.00500	1	11/11/2025 12:50	WG2619195
Molybdenum,Dissolved	0.00156	J	0.000500	0.00500	1	11/11/2025 12:50	WG2619195
Nickel,Dissolved	0.00977		0.000500	0.00200	1	11/11/2025 12:50	WG2619195
Selenium,Dissolved	0.00315		0.000250	0.00200	1	11/11/2025 12:50	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:50	WG2619195
Uranium,Dissolved	0.00187		0.000130	0.00100	1	11/11/2025 12:50	WG2619195
Zinc,Dissolved	0.0393		0.00400	0.0250	1	11/11/2025 12:50	WG2619195

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	10/13/2025 22:28	WG2618749
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*10/13/2025 22:28*	WG2618749

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0469	0.0500	1	10/12/2025 01:01	WG2618717
Benzene	U		0.000320	0.00100	1	10/14/2025 06:21	WG2619609
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 01:01	WG2618717
Bromoform	U		0.000548	0.00100	1	10/12/2025 01:01	WG2618717
Bromomethane	U		0.00485	0.00500	1	10/12/2025 01:01	WG2618717
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 01:01	WG2618717
sec-Butylbenzene	U		0.000355	0.00100	1	10/12/2025 01:01	WG2618717
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 01:01	WG2618717
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 01:01	WG2618717
Carbon tetrachloride	U		0.000360	0.00100	1	10/12/2025 01:01	WG2618717
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 01:01	WG2618717
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 01:01	WG2618717
Chloroethane	U		0.00279	0.00500	1	10/12/2025 01:01	WG2618717
Chloroform	U		0.00128	0.00500	1	10/12/2025 01:01	WG2618717
Chloromethane	U		0.00170	0.00500	1	10/12/2025 01:01	WG2618717
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 01:01	WG2618717
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 01:01	WG2618717
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 01:01	WG2618717
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 01:01	WG2618717
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 01:01	WG2618717
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 01:01	WG2618717
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 01:01	WG2618717
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 01:01	WG2618717
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 01:01	WG2618717
Ethylbenzene	U		0.000234	0.00100	1	10/14/2025 06:21	WG2619609
Hexachloro-1,3-butadiene	U	C3	0.000650	0.00200	1	10/12/2025 01:01	WG2618717
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 01:01	WG2618717
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 01:01	WG2618717
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 01:01	WG2618717
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 01:01	WG2618717
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 01:01	WG2618717
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 01:01	WG2618717
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 01:01	WG2618717
Naphthalene	U	C3	0.00264	0.00500	1	10/12/2025 01:01	WG2618717
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 01:01	WG2618717
Styrene	U		0.000342	0.00100	1	10/12/2025 01:01	WG2618717
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	10/12/2025 01:01	WG2618717
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 01:01	WG2618717
Toluene	U		0.000274	0.00100	1	10/14/2025 06:21	WG2619609
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 01:01	WG2618717
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 01:01	WG2618717
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 01:01	WG2618717
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/14/2025 06:21	WG2619609
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 01:01	WG2618717
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 01:01	WG2618717
Xylenes, Total	U		0.000319	0.00300	1	10/14/2025 06:21	WG2619609
(S) Toluene-d8	*102*			*80.0-120*		*10/12/2025 01:01*	WG2618717
(S) Toluene-d8	*101*			*80.0-120*		*10/14/2025 06:21*	WG2619609
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/12/2025 01:01*	WG2618717
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*10/14/2025 06:21*	WG2619609
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*10/12/2025 01:01*	WG2618717
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*10/14/2025 06:21*	WG2619609

DUP-01
Collected date/time: 10/09/25 10:00
L1906747

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	U		0.0605	0.100	1	10/16/2025 02:04	WG2618894
(S) o-Terphenyl	*104*			*52.0-156*		*10/16/2025 02:04*	WG2618894

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	10/18/2025 01:21	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/18/2025 01:21	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/18/2025 01:21	WG2622119
Anthracene	U		0.000196	0.00100	1	10/18/2025 01:21	WG2622119
Atrazine	U		0.00244	0.0100	1	10/18/2025 01:21	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/18/2025 01:21	WG2622119
Benzaldehyde	U	C7	0.00866	0.0100	1	10/18/2025 01:21	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/18/2025 01:21	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/18/2025 01:21	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/18/2025 01:21	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/18/2025 01:21	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/18/2025 01:21	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/18/2025 01:21	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/18/2025 01:21	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/18/2025 01:21	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/18/2025 01:21	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/18/2025 01:21	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/18/2025 01:21	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/18/2025 01:21	WG2622119
Carbazole	U		0.00211	0.0100	1	10/18/2025 01:21	WG2622119
Chrysene	U		0.000279	0.00100	1	10/18/2025 01:21	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/18/2025 01:21	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/18/2025 01:21	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/18/2025 01:21	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/18/2025 01:21	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/18/2025 01:21	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/18/2025 01:21	WG2622119
Fluorene	U		0.000277	0.00100	1	10/18/2025 01:21	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/18/2025 01:21	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/18/2025 01:21	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/18/2025 01:21	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/18/2025 01:21	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/18/2025 01:21	WG2622119
Isophorone	U		0.00172	0.0100	1	10/18/2025 01:21	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/18/2025 01:21	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/18/2025 01:21	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/18/2025 01:21	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/18/2025 01:21	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/18/2025 01:21	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/18/2025 01:21	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/18/2025 01:21	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/18/2025 01:21	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/18/2025 01:21	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/18/2025 01:21	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/18/2025 01:21	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/18/2025 01:21	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/18/2025 01:21	WG2622119
Pyrene	U		0.000259	0.00100	1	10/18/2025 01:21	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/18/2025 01:21	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/18/2025 01:21	WG2622119

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Chlorophenol	U		0.00211	0.0100	1	10/18/2025 01:21	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/18/2025 01:21	WG2622119
2,4-Dimethylphenol	U		0.00433	0.0100	1	10/18/2025 01:21	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/18/2025 01:21	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/18/2025 01:21	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/18/2025 01:21	WG2622119
2-Nitroaniline	U		0.00236	0.0100	1	10/18/2025 01:21	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/18/2025 01:21	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/18/2025 01:21	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/18/2025 01:21	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/18/2025 01:21	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/18/2025 01:21	WG2622119
4-Nitrophenol	U	C3	0.00755	0.0100	1	10/18/2025 01:21	WG2622119
Pentachlorophenol	U	C3	0.000708	0.0100	1	10/18/2025 01:21	WG2622119
Phenol	U		0.000757	0.0100	1	10/18/2025 01:21	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/18/2025 01:21	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/18/2025 01:21	WG2622119
(S) 2-Fluorophenol	*47.2*			*10.0-120*		*10/18/2025 01:21*	WG2622119
(S) Phenol-d5	*31.6*			*10.0-120*		*10/18/2025 01:21*	WG2622119
(S) Nitrobenzene-d5	*88.2*			*10.0-127*		*10/18/2025 01:21*	WG2622119
(S) 2-Fluorobiphenyl	*78.7*			*10.0-130*		*10/18/2025 01:21*	WG2622119
(S) 2,4,6-Tribromophenol	*76.7*			*10.0-155*		*10/18/2025 01:21*	WG2622119
(S) p-Terphenyl-d14	*88.2*			*10.0-128*		*10/18/2025 01:21*	WG2622119

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Dissolved Solids	307		10.0	1	10/14/2025 11:51	WG2619294

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	3.13		0.547	1.00	1	10/11/2025 06:05	WG2618041
Fluoride	0.482		0.0761	0.150	1	10/11/2025 06:05	WG2618041
Nitrate as (N)	U		0.0884	0.100	1	10/11/2025 06:05	WG2618041
Nitrite as (N)	U		0.0794	0.100	1	10/11/2025 06:05	WG2618041
Sulfate	13.2		0.637	5.00	1	10/11/2025 06:05	WG2618041

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000700	0.000200	1	10/19/2025 20:27	WG2618262

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Boron,Dissolved	0.0326	J	0.0232	0.200	1	10/13/2025 17:16	WG2619189

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Aluminum,Dissolved	U		0.0160	0.100	1	11/11/2025 12:54	WG2619195
Arsenic,Dissolved	0.00557		0.000120	0.00200	1	11/11/2025 12:54	WG2619195
Barium,Dissolved	0.251		0.000500	0.00200	1	11/11/2025 12:54	WG2619195
Cadmium,Dissolved	U		0.000120	0.00100	1	11/11/2025 12:54	WG2619195
Chromium,Dissolved	U		0.000900	0.00200	1	11/11/2025 12:54	WG2619195
Copper,Dissolved	0.000814	J	0.000700	0.00500	1	11/11/2025 12:54	WG2619195
Cobalt,Dissolved	0.00143	J	0.000100	0.00200	1	11/11/2025 12:54	WG2619195
Iron,Dissolved	0.548		0.0226	0.100	1	11/11/2025 12:54	WG2619195
Lead,Dissolved	0.000605	B J	0.000500	0.00200	1	11/11/2025 12:54	WG2619195
Manganese,Dissolved	0.189		0.000700	0.00500	1	11/11/2025 12:54	WG2619195
Molybdenum,Dissolved	0.00196	J	0.000500	0.00500	1	11/11/2025 12:54	WG2619195
Nickel,Dissolved	0.00200	J	0.000500	0.00200	1	11/11/2025 12:54	WG2619195
Selenium,Dissolved	U		0.000250	0.00200	1	11/11/2025 12:54	WG2619195
Silver,Dissolved	U		0.000110	0.00200	1	11/11/2025 12:54	WG2619195
Uranium,Dissolved	0.000314	J	0.000130	0.00100	1	11/11/2025 12:54	WG2619195
Zinc,Dissolved	0.00400	J	0.00400	0.0250	1	11/11/2025 12:54	WG2619195

Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0594	0.100	1	10/13/2025 22:50	WG2618749
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*		*10/13/2025 22:50*	WG2618749

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0469	0.0500	1	10/12/2025 01:20	WG2618717
Benzene	U		0.000320	0.00100	1	10/12/2025 01:20	WG2618717
Bromodichloromethane	U		0.000371	0.00100	1	10/12/2025 01:20	WG2618717
Bromoform	U		0.000548	0.00100	1	10/12/2025 01:20	WG2618717
Bromomethane	U		0.00485	0.00500	1	10/12/2025 01:20	WG2618717
n-Butylbenzene	U		0.000516	0.00100	1	10/12/2025 01:20	WG2618717
sec-Butylbenzene	U		0.000355	0.00100	1	10/12/2025 01:20	WG2618717
tert-Butylbenzene	U		0.000314	0.00100	1	10/12/2025 01:20	WG2618717
Carbon disulfide	U		0.000510	0.00100	1	10/12/2025 01:20	WG2618717
Carbon tetrachloride	U		0.000360	0.00100	1	10/12/2025 01:20	WG2618717
Chlorobenzene	U		0.000266	0.00100	1	10/12/2025 01:20	WG2618717
Chlorodibromomethane	U		0.000398	0.00100	1	10/12/2025 01:20	WG2618717
Chloroethane	U		0.00279	0.00500	1	10/12/2025 01:20	WG2618717
Chloroform	U		0.00128	0.00500	1	10/12/2025 01:20	WG2618717
Chloromethane	U		0.00170	0.00500	1	10/12/2025 01:20	WG2618717
1,2-Dibromoethane	U		0.000341	0.00100	1	10/12/2025 01:20	WG2618717
1,1-Dichloroethane	U		0.000389	0.00100	1	10/12/2025 01:20	WG2618717
1,2-Dichloroethane	U		0.000395	0.00100	1	10/12/2025 01:20	WG2618717
1,1-Dichloroethene	U		0.000422	0.00100	1	10/12/2025 01:20	WG2618717
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/12/2025 01:20	WG2618717
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/12/2025 01:20	WG2618717
1,2-Dichloropropane	U		0.000427	0.00100	1	10/12/2025 01:20	WG2618717
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/12/2025 01:20	WG2618717
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/12/2025 01:20	WG2618717
Ethylbenzene	U		0.000234	0.00100	1	10/12/2025 01:20	WG2618717
Hexachloro-1,3-butadiene	U	C3	0.000650	0.00200	1	10/12/2025 01:20	WG2618717
2-Hexanone	U		0.00580	0.0200	1	10/12/2025 01:20	WG2618717
Isopropylbenzene	U		0.000105	0.00100	1	10/12/2025 01:20	WG2618717
p-Isopropyltoluene	U		0.000345	0.00100	1	10/12/2025 01:20	WG2618717
2-Butanone (MEK)	U		0.00900	0.0200	1	10/12/2025 01:20	WG2618717
Methylene Chloride	U		0.00148	0.00500	1	10/12/2025 01:20	WG2618717
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/12/2025 01:20	WG2618717
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/12/2025 01:20	WG2618717
Naphthalene	U	C3	0.00264	0.00500	1	10/12/2025 01:20	WG2618717
n-Propylbenzene	U		0.000239	0.00100	1	10/12/2025 01:20	WG2618717
Styrene	U		0.000342	0.00100	1	10/12/2025 01:20	WG2618717
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	10/12/2025 01:20	WG2618717
Tetrachloroethene	U		0.000358	0.00100	1	10/12/2025 01:20	WG2618717
Toluene	U		0.000274	0.00100	1	10/14/2025 06:41	WG2619609
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/12/2025 01:20	WG2618717
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/12/2025 01:20	WG2618717
Trichloroethene	U		0.000383	0.00100	1	10/12/2025 01:20	WG2618717
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/12/2025 01:20	WG2618717
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/12/2025 01:20	WG2618717
Vinyl chloride	U		0.000458	0.00100	1	10/12/2025 01:20	WG2618717
Xylenes, Total	U		0.000319	0.00300	1	10/14/2025 06:41	WG2619609
(S) Toluene-d8	*102*			*80.0-120*		*10/12/2025 01:20*	WG2618717
(S) Toluene-d8	*102*			*80.0-120*		*10/14/2025 06:41*	WG2619609
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/12/2025 01:20*	WG2618717
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/14/2025 06:41*	WG2619609
(S) 1,2-Dichloroethane-d4	*99.1*			*70.0-130*		*10/12/2025 01:20*	WG2618717
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*10/14/2025 06:41*	WG2619609

DUP-02
Collected date/time: 10/09/25 09:00
L1906747

Semi-Volatile Organic Compounds (GC) by Method 8015D

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TPH (GC/FID) High Fraction	0.611		0.182	0.300	3	10/16/2025 02:24	WG2618894
(S) o-Terphenyl	*79.1*			*52.0-156*		*10/16/2025 02:24*	WG2618894

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	10/21/2025 08:47	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/21/2025 08:47	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/21/2025 08:47	WG2622119
Anthracene	U		0.000196	0.00100	1	10/21/2025 08:47	WG2622119
Atrazine	U		0.00244	0.0100	1	10/21/2025 08:47	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/21/2025 08:47	WG2622119
Benzaldehyde	U		0.00866	0.0100	1	10/21/2025 08:47	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/21/2025 08:47	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/21/2025 08:47	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/21/2025 08:47	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/21/2025 08:47	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/21/2025 08:47	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/21/2025 08:47	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/21/2025 08:47	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/21/2025 08:47	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/21/2025 08:47	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/21/2025 08:47	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/21/2025 08:47	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/21/2025 08:47	WG2622119
Carbazole	U		0.00211	0.0100	1	10/21/2025 08:47	WG2622119
Chrysene	U		0.000279	0.00100	1	10/21/2025 08:47	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/21/2025 08:47	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/21/2025 08:47	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/21/2025 08:47	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/21/2025 08:47	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/21/2025 08:47	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/21/2025 08:47	WG2622119
Fluorene	U		0.000277	0.00100	1	10/21/2025 08:47	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/21/2025 08:47	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/21/2025 08:47	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/21/2025 08:47	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/21/2025 08:47	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/21/2025 08:47	WG2622119
Isophorone	U		0.00172	0.0100	1	10/21/2025 08:47	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/21/2025 08:47	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/21/2025 08:47	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/21/2025 08:47	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/21/2025 08:47	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/21/2025 08:47	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/21/2025 08:47	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/21/2025 08:47	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/21/2025 08:47	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/21/2025 08:47	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/21/2025 08:47	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/21/2025 08:47	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/21/2025 08:47	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/21/2025 08:47	WG2622119
Pyrene	U		0.000259	0.00100	1	10/21/2025 08:47	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/21/2025 08:47	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/21/2025 08:47	WG2622119

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
2-Chlorophenol	U		0.00211	0.0100	1	10/21/2025 08:47	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/21/2025 08:47	WG2622119
2,4-Dimethylphenol	U	C3	0.00433	0.0100	1	10/21/2025 08:47	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/21/2025 08:47	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/21/2025 08:47	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/21/2025 08:47	WG2622119
2-Nitroaniline	U		0.00236	0.0100	1	10/21/2025 08:47	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/21/2025 08:47	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/21/2025 08:47	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/21/2025 08:47	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/21/2025 08:47	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/21/2025 08:47	WG2622119
4-Nitrophenol	U		0.00755	0.0100	1	10/21/2025 08:47	WG2622119
Pentachlorophenol	U		0.000708	0.0100	1	10/21/2025 08:47	WG2622119
Phenol	U		0.000757	0.0100	1	10/21/2025 08:47	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/21/2025 08:47	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/21/2025 08:47	WG2622119
(S) 2-Fluorophenol	*46.2*			*10.0-120*		*10/21/2025 08:47*	WG2622119
(S) Phenol-d5	*33.9*			*10.0-120*		*10/21/2025 08:47*	WG2622119
(S) Nitrobenzene-d5	*83.9*			*10.0-127*		*10/21/2025 08:47*	WG2622119
(S) 2-Fluorobiphenyl	*68.8*			*10.0-130*		*10/21/2025 08:47*	WG2622119
(S) 2,4,6-Tribromophenol	*77.3*			*10.0-155*		*10/21/2025 08:47*	WG2622119
(S) p-Terphenyl-d14	*80.1*			*10.0-128*		*10/21/2025 08:47*	WG2622119

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0469	0.0500	1	10/11/2025 23:42	WG2618717
Benzene	U		0.000320	0.00100	1	10/11/2025 23:42	WG2618717
Bromodichloromethane	U		0.000371	0.00100	1	10/11/2025 23:42	WG2618717
Bromoform	U		0.000548	0.00100	1	10/11/2025 23:42	WG2618717
Bromomethane	U		0.00485	0.00500	1	10/11/2025 23:42	WG2618717
n-Butylbenzene	U		0.000516	0.00100	1	10/11/2025 23:42	WG2618717
sec-Butylbenzene	U		0.000355	0.00100	1	10/11/2025 23:42	WG2618717
tert-Butylbenzene	U		0.000314	0.00100	1	10/11/2025 23:42	WG2618717
Carbon disulfide	U		0.000510	0.00100	1	10/11/2025 23:42	WG2618717
Carbon tetrachloride	U		0.000360	0.00100	1	10/11/2025 23:42	WG2618717
Chlorobenzene	U		0.000266	0.00100	1	10/11/2025 23:42	WG2618717
Chlorodibromomethane	U		0.000398	0.00100	1	10/11/2025 23:42	WG2618717
Chloroethane	U		0.00279	0.00500	1	10/11/2025 23:42	WG2618717
Chloroform	U		0.00128	0.00500	1	10/11/2025 23:42	WG2618717
Chloromethane	U		0.00170	0.00500	1	10/11/2025 23:42	WG2618717
1,2-Dibromoethane	U		0.000341	0.00100	1	10/11/2025 23:42	WG2618717
1,1-Dichloroethane	U		0.000389	0.00100	1	10/11/2025 23:42	WG2618717
1,2-Dichloroethane	U		0.000395	0.00100	1	10/11/2025 23:42	WG2618717
1,1-Dichloroethene	U		0.000422	0.00100	1	10/11/2025 23:42	WG2618717
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/11/2025 23:42	WG2618717
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/11/2025 23:42	WG2618717
1,2-Dichloropropane	U		0.000427	0.00100	1	10/11/2025 23:42	WG2618717
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/11/2025 23:42	WG2618717
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/11/2025 23:42	WG2618717
Ethylbenzene	U		0.000234	0.00100	1	10/11/2025 23:42	WG2618717
Hexachloro-1,3-butadiene	U	C3	0.000650	0.00200	1	10/11/2025 23:42	WG2618717
2-Hexanone	U		0.00580	0.0200	1	10/11/2025 23:42	WG2618717
Isopropylbenzene	U		0.000105	0.00100	1	10/11/2025 23:42	WG2618717
p-Isopropyltoluene	U		0.000345	0.00100	1	10/11/2025 23:42	WG2618717
2-Butanone (MEK)	U		0.00900	0.0200	1	10/11/2025 23:42	WG2618717
Methylene Chloride	U		0.00148	0.00500	1	10/11/2025 23:42	WG2618717
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/11/2025 23:42	WG2618717
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/11/2025 23:42	WG2618717
Naphthalene	U	C3	0.00264	0.00500	1	10/11/2025 23:42	WG2618717
n-Propylbenzene	U		0.000239	0.00100	1	10/11/2025 23:42	WG2618717
Styrene	U		0.000342	0.00100	1	10/11/2025 23:42	WG2618717
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	10/11/2025 23:42	WG2618717
Tetrachloroethene	U		0.000358	0.00100	1	10/11/2025 23:42	WG2618717
Toluene	U		0.000274	0.00100	1	10/11/2025 23:42	WG2618717
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/11/2025 23:42	WG2618717
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/11/2025 23:42	WG2618717
Trichloroethene	U		0.000383	0.00100	1	10/11/2025 23:42	WG2618717
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/11/2025 23:42	WG2618717
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/11/2025 23:42	WG2618717
Vinyl chloride	U		0.000458	0.00100	1	10/11/2025 23:42	WG2618717
Xylenes, Total	U		0.000319	0.00300	1	10/11/2025 23:42	WG2618717
(S) Toluene-d8	*104*			*80.0-120*		*10/11/2025 23:42*	WG2618717
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*10/11/2025 23:42*	WG2618717
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/11/2025 23:42*	WG2618717

LB-01
Collected date/time: 10/09/25 08:35
L1906747

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000246	0.00100	1	10/18/2025 01:43	WG2622119
Acenaphthylene	U		0.000265	0.00100	1	10/18/2025 01:43	WG2622119
Acetophenone	U		0.00205	0.0100	1	10/18/2025 01:43	WG2622119
Anthracene	U		0.000196	0.00100	1	10/18/2025 01:43	WG2622119
Atrazine	U		0.00244	0.0100	1	10/18/2025 01:43	WG2622119
Benzo(a)anthracene	U		0.000234	0.00100	1	10/18/2025 01:43	WG2622119
Benzaldehyde	U	C7	0.00866	0.0100	1	10/18/2025 01:43	WG2622119
Benzo(b)fluoranthene	U		0.000280	0.00100	1	10/18/2025 01:43	WG2622119
Benzo(k)fluoranthene	U		0.000247	0.00100	1	10/18/2025 01:43	WG2622119
Benzo(g,h,i)perylene	U		0.000254	0.00100	1	10/18/2025 01:43	WG2622119
Benzo(a)pyrene	U		0.000128	0.000200	1	10/18/2025 01:43	WG2622119
Biphenyl	U		0.00274	0.0100	1	10/18/2025 01:43	WG2622119
Bis(2-chlorethoxy)methane	U		0.00188	0.0100	1	10/18/2025 01:43	WG2622119
Bis(2-chloroethyl)ether	U		0.00205	0.0100	1	10/18/2025 01:43	WG2622119
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100	1	10/18/2025 01:43	WG2622119
4-Bromophenyl-phenylether	U		0.00267	0.0100	1	10/18/2025 01:43	WG2622119
2-Chloronaphthalene	U		0.000259	0.00100	1	10/18/2025 01:43	WG2622119
4-Chlorophenyl-phenylether	U		0.00222	0.0100	1	10/18/2025 01:43	WG2622119
Caprolactam	U		0.000736	0.0100	1	10/18/2025 01:43	WG2622119
Carbazole	U		0.00211	0.0100	1	10/18/2025 01:43	WG2622119
Chrysene	U		0.000279	0.00100	1	10/18/2025 01:43	WG2622119
Dibenz(a,h)anthracene	U		0.000148	0.000200	1	10/18/2025 01:43	WG2622119
Dibenzofuran	U		0.00251	0.0100	1	10/18/2025 01:43	WG2622119
3,3-Dichlorobenzidine	U		0.00758	0.0100	1	10/18/2025 01:43	WG2622119
2,4-Dinitrotoluene	U		0.00187	0.0100	1	10/18/2025 01:43	WG2622119
2,6-Dinitrotoluene	U		0.00186	0.0100	1	10/18/2025 01:43	WG2622119
Fluoranthene	U		0.000229	0.00100	1	10/18/2025 01:43	WG2622119
Fluorene	U		0.000277	0.00100	1	10/18/2025 01:43	WG2622119
Hexachlorobenzene	U		0.000259	0.00100	1	10/18/2025 01:43	WG2622119
Hexachloro-1,3-butadiene	U		0.00227	0.0100	1	10/18/2025 01:43	WG2622119
Hexachlorocyclopentadiene	U		0.00281	0.0100	1	10/18/2025 01:43	WG2622119
Hexachloroethane	U		0.00215	0.0100	1	10/18/2025 01:43	WG2622119
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100	1	10/18/2025 01:43	WG2622119
Isophorone	U		0.00172	0.0100	1	10/18/2025 01:43	WG2622119
1-Methylnaphthalene	U		0.000245	0.00100	1	10/18/2025 01:43	WG2622119
2-Methylnaphthalene	U		0.000276	0.00100	1	10/18/2025 01:43	WG2622119
Naphthalene	U		0.000678	0.00100	1	10/18/2025 01:43	WG2622119
Nitrobenzene	U		0.00197	0.0100	1	10/18/2025 01:43	WG2622119
n-Nitrosodiphenylamine	U		0.00202	0.0100	1	10/18/2025 01:43	WG2622119
n-Nitrosodi-n-propylamine	U		0.00202	0.0100	1	10/18/2025 01:43	WG2622119
Phenanthrene	U		0.000219	0.00100	1	10/18/2025 01:43	WG2622119
Benzylbutyl phthalate	U		0.00113	0.00300	1	10/18/2025 01:43	WG2622119
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300	1	10/18/2025 01:43	WG2622119
Di-n-butyl phthalate	U		0.000794	0.00300	1	10/18/2025 01:43	WG2622119
Diethyl phthalate	U		0.000861	0.00300	1	10/18/2025 01:43	WG2622119
Dimethyl phthalate	U		0.000772	0.00300	1	10/18/2025 01:43	WG2622119
Di-n-octyl phthalate	U		0.00133	0.00300	1	10/18/2025 01:43	WG2622119
Pyrene	U		0.000259	0.00100	1	10/18/2025 01:43	WG2622119
1,2,4-Trichlorobenzene	U		0.00230	0.0100	1	10/18/2025 01:43	WG2622119
4-Chloro-3-methylphenol	U		0.00228	0.0100	1	10/18/2025 01:43	WG2622119
2-Chlorophenol	U		0.00211	0.0100	1	10/18/2025 01:43	WG2622119
2,4-Dichlorophenol	U		0.00241	0.0100	1	10/18/2025 01:43	WG2622119
2,4-Dimethylphenol	U		0.00433	0.0100	1	10/18/2025 01:43	WG2622119
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100	1	10/18/2025 01:43	WG2622119
2,4-Dinitrophenol	U		0.00571	0.0100	1	10/18/2025 01:43	WG2622119
2-Nitrophenol	U		0.00260	0.0100	1	10/18/2025 01:43	WG2622119

LB-01
Collected date/time: 10/09/25 08:35
L1906747

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
2-Nitroaniline	U		0.00236	0.0100	1	10/18/2025 01:43	WG2622119
2-Methylphenol	U		0.00170	0.0100	1	10/18/2025 01:43	WG2622119
3&4-Methyl Phenol	U		0.00154	0.0100	1	10/18/2025 01:43	WG2622119
3-Nitroaniline	U		0.00120	0.0100	1	10/18/2025 01:43	WG2622119
4-Chloroaniline	U		0.00506	0.0100	1	10/18/2025 01:43	WG2622119
4-Nitroaniline	U		0.00211	0.0100	1	10/18/2025 01:43	WG2622119
4-Nitrophenol	U	C3	0.00755	0.0100	1	10/18/2025 01:43	WG2622119
Pentachlorophenol	U	C3	0.000708	0.0100	1	10/18/2025 01:43	WG2622119
Phenol	0.00336	J	0.000757	0.0100	1	10/18/2025 01:43	WG2622119
2,4,5-Trichlorophenol	U		0.00270	0.0100	1	10/18/2025 01:43	WG2622119
2,4,6-Trichlorophenol	U		0.00238	0.0100	1	10/18/2025 01:43	WG2622119
(S) 2-Fluorophenol	*48.8*			*10.0-120*		*10/18/2025 01:43*	WG2622119
(S) Phenol-d5	*30.2*			*10.0-120*		*10/18/2025 01:43*	WG2622119
(S) Nitrobenzene-d5	*89.5*			*10.0-127*		*10/18/2025 01:43*	WG2622119
(S) 2-Fluorobiphenyl	*81.2*			*10.0-130*		*10/18/2025 01:43*	WG2622119
(S) 2,4,6-Tribromophenol	*80.8*			*10.0-155*		*10/18/2025 01:43*	WG2622119
(S) p-Terphenyl-d14	*91.0*			*10.0-128*		*10/18/2025 01:43*	WG2622119

TRIP BLANK-01
Collected date/time: 10/09/25 00:00
L1906747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0469	0.0500	1	10/11/2025 22:13	WG2618717
Benzene	U		0.000320	0.00100	1	10/11/2025 22:13	WG2618717
Bromodichloromethane	U		0.000371	0.00100	1	10/11/2025 22:13	WG2618717
Bromoform	U		0.000548	0.00100	1	10/11/2025 22:13	WG2618717
Bromomethane	U		0.00485	0.00500	1	10/11/2025 22:13	WG2618717
n-Butylbenzene	U		0.000516	0.00100	1	10/11/2025 22:13	WG2618717
sec-Butylbenzene	U		0.000355	0.00100	1	10/11/2025 22:13	WG2618717
tert-Butylbenzene	U		0.000314	0.00100	1	10/11/2025 22:13	WG2618717
Carbon disulfide	U		0.000510	0.00100	1	10/11/2025 22:13	WG2618717
Carbon tetrachloride	U		0.000360	0.00100	1	10/11/2025 22:13	WG2618717
Chlorobenzene	U		0.000266	0.00100	1	10/11/2025 22:13	WG2618717
Chlorodibromomethane	U		0.000398	0.00100	1	10/11/2025 22:13	WG2618717
Chloroethane	U		0.00279	0.00500	1	10/11/2025 22:13	WG2618717
Chloroform	U		0.00128	0.00500	1	10/11/2025 22:13	WG2618717
Chloromethane	U		0.00170	0.00500	1	10/11/2025 22:13	WG2618717
1,2-Dibromoethane	U		0.000341	0.00100	1	10/11/2025 22:13	WG2618717
1,1-Dichloroethane	U		0.000389	0.00100	1	10/11/2025 22:13	WG2618717
1,2-Dichloroethane	U		0.000395	0.00100	1	10/11/2025 22:13	WG2618717
1,1-Dichloroethene	U		0.000422	0.00100	1	10/11/2025 22:13	WG2618717
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/11/2025 22:13	WG2618717
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/11/2025 22:13	WG2618717
1,2-Dichloropropane	U		0.000427	0.00100	1	10/11/2025 22:13	WG2618717
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/11/2025 22:13	WG2618717
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/11/2025 22:13	WG2618717
Ethylbenzene	U		0.000234	0.00100	1	10/11/2025 22:13	WG2618717
Hexachloro-1,3-butadiene	U	C3	0.000650	0.00200	1	10/11/2025 22:13	WG2618717
2-Hexanone	U		0.00580	0.0200	1	10/11/2025 22:13	WG2618717
Isopropylbenzene	U		0.000105	0.00100	1	10/11/2025 22:13	WG2618717
p-Isopropyltoluene	U		0.000345	0.00100	1	10/11/2025 22:13	WG2618717
2-Butanone (MEK)	U		0.00900	0.0200	1	10/11/2025 22:13	WG2618717
Methylene Chloride	U		0.00148	0.00500	1	10/11/2025 22:13	WG2618717
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/11/2025 22:13	WG2618717
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/11/2025 22:13	WG2618717
Naphthalene	U	C3	0.00264	0.00500	1	10/11/2025 22:13	WG2618717
n-Propylbenzene	U		0.000239	0.00100	1	10/11/2025 22:13	WG2618717
Styrene	U		0.000342	0.00100	1	10/11/2025 22:13	WG2618717
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	10/11/2025 22:13	WG2618717
Tetrachloroethene	U		0.000358	0.00100	1	10/11/2025 22:13	WG2618717
Toluene	U		0.000274	0.00100	1	10/11/2025 22:13	WG2618717
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/11/2025 22:13	WG2618717
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/11/2025 22:13	WG2618717
Trichloroethene	U		0.000383	0.00100	1	10/11/2025 22:13	WG2618717
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/11/2025 22:13	WG2618717
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/11/2025 22:13	WG2618717
Vinyl chloride	U		0.000458	0.00100	1	10/11/2025 22:13	WG2618717
Xylenes, Total	U		0.000319	0.00300	1	10/11/2025 22:13	WG2618717
(S) Toluene-d8	*103*			*80.0-120*		*10/11/2025 22:13*	WG2618717
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*10/11/2025 22:13*	WG2618717
(S) 1,2-Dichloroethane-d4	*98.7*			*70.0-130*		*10/11/2025 22:13*	WG2618717

TRIP BLANK-02
Collected date/time: 10/09/25 00:00
L1906747

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0469	0.0500	1	10/11/2025 22:32	WG2618717
Benzene	U		0.000320	0.00100	1	10/11/2025 22:32	WG2618717
Bromodichloromethane	U		0.000371	0.00100	1	10/11/2025 22:32	WG2618717
Bromoform	U		0.000548	0.00100	1	10/11/2025 22:32	WG2618717
Bromomethane	U		0.00485	0.00500	1	10/11/2025 22:32	WG2618717
n-Butylbenzene	U		0.000516	0.00100	1	10/11/2025 22:32	WG2618717
sec-Butylbenzene	U		0.000355	0.00100	1	10/11/2025 22:32	WG2618717
tert-Butylbenzene	U		0.000314	0.00100	1	10/11/2025 22:32	WG2618717
Carbon disulfide	U		0.000510	0.00100	1	10/11/2025 22:32	WG2618717
Carbon tetrachloride	U		0.000360	0.00100	1	10/11/2025 22:32	WG2618717
Chlorobenzene	U		0.000266	0.00100	1	10/11/2025 22:32	WG2618717
Chlorodibromomethane	U		0.000398	0.00100	1	10/11/2025 22:32	WG2618717
Chloroethane	U		0.00279	0.00500	1	10/11/2025 22:32	WG2618717
Chloroform	U		0.00128	0.00500	1	10/11/2025 22:32	WG2618717
Chloromethane	U		0.00170	0.00500	1	10/11/2025 22:32	WG2618717
1,2-Dibromoethane	U		0.000341	0.00100	1	10/11/2025 22:32	WG2618717
1,1-Dichloroethane	U		0.000389	0.00100	1	10/11/2025 22:32	WG2618717
1,2-Dichloroethane	U		0.000395	0.00100	1	10/11/2025 22:32	WG2618717
1,1-Dichloroethene	U		0.000422	0.00100	1	10/11/2025 22:32	WG2618717
cis-1,2-Dichloroethene	U		0.000323	0.00100	1	10/11/2025 22:32	WG2618717
trans-1,2-Dichloroethene	U		0.000348	0.00100	1	10/11/2025 22:32	WG2618717
1,2-Dichloropropane	U		0.000427	0.00100	1	10/11/2025 22:32	WG2618717
cis-1,3-Dichloropropene	U		0.000348	0.00100	1	10/11/2025 22:32	WG2618717
trans-1,3-Dichloropropene	U		0.000313	0.00100	1	10/11/2025 22:32	WG2618717
Ethylbenzene	U		0.000234	0.00100	1	10/11/2025 22:32	WG2618717
Hexachloro-1,3-butadiene	U	C3	0.000650	0.00200	1	10/11/2025 22:32	WG2618717
2-Hexanone	U		0.00580	0.0200	1	10/11/2025 22:32	WG2618717
Isopropylbenzene	U		0.000105	0.00100	1	10/11/2025 22:32	WG2618717
p-Isopropyltoluene	U		0.000345	0.00100	1	10/11/2025 22:32	WG2618717
2-Butanone (MEK)	U		0.00900	0.0200	1	10/11/2025 22:32	WG2618717
Methylene Chloride	U		0.00148	0.00500	1	10/11/2025 22:32	WG2618717
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200	1	10/11/2025 22:32	WG2618717
Methyl tert-butyl ether	U		0.000357	0.00100	1	10/11/2025 22:32	WG2618717
Naphthalene	U	C3	0.00264	0.00500	1	10/11/2025 22:32	WG2618717
n-Propylbenzene	U		0.000239	0.00100	1	10/11/2025 22:32	WG2618717
Styrene	U		0.000342	0.00100	1	10/11/2025 22:32	WG2618717
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100	1	10/11/2025 22:32	WG2618717
Tetrachloroethene	U		0.000358	0.00100	1	10/11/2025 22:32	WG2618717
Toluene	U		0.000274	0.00100	1	10/11/2025 22:32	WG2618717
1,1,1-Trichloroethane	U		0.000336	0.00100	1	10/11/2025 22:32	WG2618717
1,1,2-Trichloroethane	U		0.000375	0.00100	1	10/11/2025 22:32	WG2618717
Trichloroethene	U		0.000383	0.00100	1	10/11/2025 22:32	WG2618717
1,2,4-Trimethylbenzene	U		0.000274	0.00200	1	10/11/2025 22:32	WG2618717
1,3,5-Trimethylbenzene	U		0.000266	0.00100	1	10/11/2025 22:32	WG2618717
Vinyl chloride	U		0.000458	0.00100	1	10/11/2025 22:32	WG2618717
Xylenes, Total	U		0.000319	0.00300	1	10/11/2025 22:32	WG2618717
(S) Toluene-d8	*102*			*80.0-120*		*10/11/2025 22:32*	WG2618717
(S) 4-Bromofluorobenzene	*99.1*			*77.0-126*		*10/11/2025 22:32*	WG2618717
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*10/11/2025 22:32*	WG2618717

Method Blank (MB)

(MB) R4287112-1 10/13/25 09:16

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1906256-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1906256-01 10/13/25 09:16 • (DUP) R4287112-3 10/13/25 09:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	278	283	1	1.78		10

L1906995-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1906995-04 10/13/25 09:16 • (DUP) R4287112-4 10/13/25 09:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	14700	15900	1	7.58		10

Laboratory Control Sample (LCS)

(LCS) R4287112-2 10/13/25 09:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8580	97.5	90.0-110	

Method Blank (MB)

(MB) R4287926-1 10/14/25 11:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Dissolved Solids	U		10.0	10.0

L1906624-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1906624-02 10/14/25 11:51 • (DUP) R4287926-3 10/14/25 11:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	437	465	1	6.21		10

L1906796-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1906796-11 10/14/25 11:51 • (DUP) R4287926-4 10/14/25 11:51

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Dissolved Solids	491	486	1	1.02		10

Laboratory Control Sample (LCS)

(LCS) R4287926-2 10/14/25 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dissolved Solids	8800	8230	93.5	90.0-110	

Method Blank (MB)

(MB) R4288950-1 10/11/25 01:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.547	1.00
Fluoride	U		0.0761	0.150
Nitrate as (N)	U		0.0884	0.100
Nitrite as (N)	U		0.0794	0.100
Sulfate	U		0.637	5.00

L1906747-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1906747-06 10/11/25 02:51 • (DUP) R4288950-3 10/11/25 03:03

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Fluoride	0.661	0.689	1	4.22		15
Nitrate as (N)	3.40	3.37	1	1.08		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	88.7	87.9	1	0.896		15

L1906747-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1906747-11 10/11/25 04:56 • (DUP) R4288950-6 10/11/25 05:08

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	81.4	77.2	1	5.37		15
Fluoride	0.578	0.581	1	0.621		15
Nitrate as (N)	U	U	1	0.000		15
Nitrite as (N)	U	U	1	0.000		15
Sulfate	0.929	0.879	1	5.54	J	15

L1906747-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1906747-06 10/11/25 08:21 • (DUP) R4288950-9 10/11/25 08:32

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	471	458	10	2.77		15

Laboratory Control Sample (LCS)

(LCS) R4288950-2 10/11/25 01:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.9	99.8	80.0-120	
Fluoride	8.00	8.13	102	80.0-120	
Nitrate as (N)	8.00	8.09	101	80.0-120	
Nitrite as (N)	8.00	8.16	102	80.0-120	
Sulfate	40.0	40.6	102	80.0-120	

L1906747-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-06 10/11/25 02:51 • (MS) R4288950-4 10/11/25 03:14 • (MSD) R4288950-5 10/11/25 03:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	484	421	422	0.000	0.000	1	80.0-120	E V	E V	0.298	15
Fluoride	8.00	0.661	8.46	8.50	97.5	97.9	1	80.0-120			0.407	15
Nitrate as (N)	8.00	3.40	10.7	10.7	90.6	91.0	1	80.0-120	E	E	0.268	15
Nitrite as (N)	8.00	U	8.09	8.10	101	101	1	80.0-120			0.103	15
Sulfate	40.0	88.7	110	110	52.6	53.1	1	80.0-120	E J6	E J6	0.179	15

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/11/25 04:56 • (MS) R4288950-7 10/11/25 05:19 • (MSD) R4288950-8 10/11/25 05:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	81.4	105	97.6	58.5	40.4	1	80.0-120	E J6	J6	7.17	15
Fluoride	8.00	0.578	8.50	7.95	99.0	92.2	1	80.0-120			6.63	15
Nitrate as (N)	8.00	U	7.63	7.10	95.4	88.7	1	80.0-120			7.25	15
Nitrite as (N)	8.00	U	7.92	7.41	98.9	92.6	1	80.0-120			6.66	15
Sulfate	40.0	0.929	39.4	36.6	96.1	89.3	1	80.0-120			7.24	15

Method Blank (MB)

(MB) R4289217-1 10/19/25 19:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.0000700	0.000200

Laboratory Control Sample (LCS)

(LCS) R4289217-2 10/19/25 19:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00300	0.00266	88.6	80.0-120	

L1906747-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-06 10/19/25 19:25 • (MS) R4289217-4 10/19/25 19:30 • (MSD) R4289217-5 10/19/25 19:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.00300	0.00304	100	101	1	75.0-125			1.41	20

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/19/25 19:41 • (MS) R4289217-6 10/19/25 19:43 • (MSD) R4289217-7 10/19/25 19:46

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	U	0.000823	0.000810	27.4	27.0	1	75.0-125	J6	J6	1.60	20

Method Blank (MB)

(MB) R4286372-1 10/13/25 16:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Boron,Dissolved	U		0.0233	0.200

Laboratory Control Sample (LCS)

(LCS) R4286372-2 10/13/25 16:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Boron,Dissolved	1.00	0.958	95.8	80.0-120	

L1906747-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-06 10/13/25 16:37 • (MS) R4286372-4 10/13/25 16:42 • (MSD) R4286372-5 10/13/25 16:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.189	1.15	1.19	96.0	99.9	1	75.0-125			3.40	20

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/13/25 16:47 • (MS) R4286372-6 10/13/25 16:49 • (MSD) R4286372-7 10/13/25 16:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Boron,Dissolved	1.00	0.168	1.12	1.12	94.7	95.4	1	75.0-125			0.663	20

Method Blank (MB)

(MB) R4299288-1 11/11/25 11:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum,Dissolved	U		0.0160	0.100
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	U		0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Iron,Dissolved	U		0.0226	0.100
Lead,Dissolved	0.000657	J	0.000500	0.00200
Manganese,Dissolved	U		0.000700	0.00500
Molybdenum,Dissolved	U		0.000500	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Uranium,Dissolved	U		0.000130	0.00100
Zinc,Dissolved	U		0.00400	0.0250

Method Blank (MB)

(MB) R4299288-2 11/11/25 11:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum,Dissolved	U		0.0160	0.100
Arsenic,Dissolved	U		0.000120	0.00200
Barium,Dissolved	U		0.000500	0.00200
Cadmium,Dissolved	U		0.000120	0.00100
Chromium,Dissolved	U		0.000900	0.00200
Copper,Dissolved	U		0.000700	0.00500
Cobalt,Dissolved	U		0.000100	0.00200
Iron,Dissolved	U		0.0226	0.100
Lead,Dissolved	0.000616	J	0.000500	0.00200
Manganese,Dissolved	U		0.000700	0.00500
Molybdenum,Dissolved	U		0.000500	0.00500
Nickel,Dissolved	U		0.000500	0.00200
Selenium,Dissolved	U		0.000250	0.00200
Silver,Dissolved	U		0.000110	0.00200
Uranium,Dissolved	U		0.000130	0.00100
Zinc,Dissolved	U		0.00400	0.0250

Laboratory Control Sample (LCS)

(LCS) R4299288-3 11/11/25 11:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum,Dissolved	1.00	0.878	87.8	80.0-120	
Arsenic,Dissolved	0.0500	0.0465	93.0	80.0-120	
Barium,Dissolved	0.0500	0.0463	92.6	80.0-120	
Cadmium,Dissolved	0.0500	0.0467	93.4	80.0-120	
Chromium,Dissolved	0.0500	0.0473	94.6	80.0-120	
Copper,Dissolved	0.0500	0.0474	94.8	80.0-120	
Cobalt,Dissolved	0.0500	0.0485	97.0	80.0-120	
Iron,Dissolved	1.00	0.957	95.7	80.0-120	
Lead,Dissolved	0.0500	0.0465	93.0	80.0-120	
Manganese,Dissolved	0.0500	0.0486	97.1	80.0-120	
Molybdenum,Dissolved	0.0500	0.0460	91.9	80.0-120	
Nickel,Dissolved	0.0500	0.0489	97.8	80.0-120	
Selenium,Dissolved	0.0500	0.0453	90.7	80.0-120	
Silver,Dissolved	0.0500	0.0454	90.7	80.0-120	
Uranium,Dissolved	0.0500	0.0456	91.2	80.0-120	
Zinc,Dissolved	0.0500	0.0480	96.1	80.0-120	

L1906747-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-06 11/11/25 11:59 • (MS) R4299288-5 11/11/25 12:05 • (MSD) R4299288-6 11/11/25 12:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1.00	U	0.895	0.908	89.5	90.8	1	75.0-125			1.40	20
Arsenic,Dissolved	0.0500	0.00307	0.0499	0.0490	93.7	91.8	1	75.0-125			1.91	20
Barium,Dissolved	0.0500	0.100	0.145	0.149	89.3	98.0	1	75.0-125			2.96	20
Cadmium,Dissolved	0.0500	U	0.0489	0.0477	97.9	95.4	1	75.0-125			2.60	20
Chromium,Dissolved	0.0500	0.0160	0.0629	0.0626	93.9	93.3	1	75.0-125			0.466	20
Copper,Dissolved	0.0500	0.00432	0.0500	0.0499	91.3	91.1	1	75.0-125			0.135	20
Cobalt,Dissolved	0.0500	U	0.0475	0.0488	95.0	97.6	1	75.0-125			2.70	20
Iron,Dissolved	1.00	U	0.959	0.977	95.9	97.7	1	75.0-125			1.88	20
Lead,Dissolved	0.0500	0.000976	0.0475	0.0467	93.0	91.5	1	75.0-125			1.54	20
Manganese,Dissolved	0.0500	U	0.0459	0.0488	91.7	97.6	1	75.0-125			6.15	20
Molybdenum,Dissolved	0.0500	0.00197	0.0474	0.0509	90.9	97.9	1	75.0-125			7.05	20
Nickel,Dissolved	0.0500	U	0.0473	0.0489	94.5	97.9	1	75.0-125			3.49	20
Selenium,Dissolved	0.0500	0.00213	0.0489	0.0476	93.5	90.9	1	75.0-125			2.71	20
Silver,Dissolved	0.0500	U	0.0457	0.0471	91.4	94.3	1	75.0-125			3.15	20
Uranium,Dissolved	0.0500	0.00197	0.0488	0.0520	93.7	100	1	75.0-125			6.25	20
Zinc,Dissolved	0.0500	0.0318	0.0758	0.0821	88.1	101	1	75.0-125			8.04	20

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 11/11/25 12:12 • (MS) R4299288-7 11/11/25 12:15 • (MSD) R4299288-8 11/11/25 12:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum,Dissolved	1.00	U	0.917	0.950	91.7	95.0	1	75.0-125			3.48	20
Arsenic,Dissolved	0.0500	0.00364	0.0503	0.0514	93.3	95.6	1	75.0-125			2.26	20
Barium,Dissolved	0.0500	0.567	0.621	0.628	106	122	1	75.0-125			1.24	20
Cadmium,Dissolved	0.0500	U	0.0504	0.0496	101	99.2	1	75.0-125			1.66	20
Chromium,Dissolved	0.0500	U	0.0487	0.0467	97.4	93.3	1	75.0-125			4.21	20
Copper,Dissolved	0.0500	0.00360	0.0497	0.0490	92.1	90.7	1	75.0-125			1.44	20
Cobalt,Dissolved	0.0500	U	0.0481	0.0484	96.1	96.9	1	75.0-125			0.758	20
Iron,Dissolved	1.00	1.29	2.21	2.24	92.3	94.7	1	75.0-125			1.08	20
Lead,Dissolved	0.0500	0.000968	0.0458	0.0463	89.7	90.6	1	75.0-125			0.948	20
Manganese,Dissolved	0.0500	0.674	0.730	0.719	112	89.0	1	75.0-125			1.58	20
Molybdenum,Dissolved	0.0500	0.00193	0.0508	0.0527	97.7	101	1	75.0-125			3.64	20
Nickel,Dissolved	0.0500	U	0.0480	0.0497	96.1	99.3	1	75.0-125			3.32	20
Selenium,Dissolved	0.0500	U	0.0464	0.0470	92.8	94.0	1	75.0-125			1.21	20
Silver,Dissolved	0.0500	U	0.0463	0.0464	92.5	92.7	1	75.0-125			0.251	20
Uranium,Dissolved	0.0500	0.0527	0.106	0.0995	107	93.7	1	75.0-125			6.36	20
Zinc,Dissolved	0.0500	U	0.0467	0.0491	93.5	98.1	1	75.0-125			4.81	20

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Method Blank (MB)

(MB) R4287892-2 10/13/25 19:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0594	0.100
(S) a,a,a-Trifluorotoluene(FID)	*105*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4287892-1 10/13/25 19:06 • (LCSD) R4287892-3 10/14/25 01:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	5.61	5.79	112	116	72.0-127			3.16	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*107*	*78.0-120*				

Released to Imaging: 4/17/2026 3:09:37 PM

Received by OCD: 4/15/2026 4:26:32 PM

Method Blank (MB)

(MB) R4287914-2 10/12/25 02:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0594	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.3*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4287914-1 10/12/25 00:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.00	5.13	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*97.8*	*78.0-120*	

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/12/25 05:23 • (MS) R4287914-3 10/12/25 10:37 • (MSD) R4287914-4 10/12/25 10:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	U	5.71	5.64	114	113	1	10.0-160			1.23	22
(S) a,a,a-Trifluorotoluene(FID)					*97.6*	*97.6*		*78.0-120*				

L1906797-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906797-21 10/12/25 06:31 • (MS) R4287914-5 10/12/25 11:22 • (MSD) R4287914-6 10/12/25 11:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.00	U	5.89	6.22	118	124	1	10.0-160			5.45	22
(S) a,a,a-Trifluorotoluene(FID)					*96.9*	*98.1*		*78.0-120*				

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Method Blank (MB)

(MB) R4287534-3 10/12/25 01:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Benzene	U		0.000320	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
n-Butylbenzene	U		0.000516	0.00100
sec-Butylbenzene	U		0.000355	0.00100
tert-Butylbenzene	U		0.000314	0.00100
Carbon disulfide	U		0.000510	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
1,2-Dibromoethane	U		0.000341	0.00100
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
Ethylbenzene	U		0.000234	0.00100
Hexachloro-1,3-butadiene	U		0.000650	0.00200
2-Hexanone	U		0.00580	0.0200
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000345	0.00100
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Methyl tert-butyl ether	U		0.000357	0.00100
Naphthalene	U		0.00264	0.00500
n-Propylbenzene	U		0.000239	0.00100
Styrene	U		0.000342	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,1,1-Trichloroethane	U		0.000336	0.00100

Method Blank (MB)

(MB) R4287534-3 10/12/25 01:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100
1,2,4-Trimethylbenzene	U		0.000274	0.00200
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4287534-1 10/12/25 00:01 • (LCSD) R4287534-2 10/12/25 00:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0500	0.0826	0.0861	165	172	19.0-160	J4	J4	4.15	27
Benzene	0.0100	0.00860	0.00842	86.0	84.2	70.0-123			2.12	20
Bromodichloromethane	0.0100	0.00964	0.00943	96.4	94.3	75.0-120			2.20	20
Bromoform	0.0100	0.0106	0.0110	106	110	68.0-132			3.70	20
Bromomethane	0.0100	0.00985	0.00972	98.5	97.2	10.0-160			1.33	25
n-Butylbenzene	0.0100	0.00799	0.00776	79.9	77.6	73.0-125			2.92	20
sec-Butylbenzene	0.0100	0.00829	0.00804	82.9	80.4	75.0-125			3.06	20
tert-Butylbenzene	0.0100	0.00859	0.00843	85.9	84.3	76.0-124			1.88	20
Carbon disulfide	0.0100	0.00848	0.00797	84.8	79.7	61.0-128			6.20	20
Carbon tetrachloride	0.0100	0.0111	0.0107	111	107	68.0-126			3.67	20
Chlorobenzene	0.0100	0.0102	0.0102	102	102	80.0-121			0.000	20
Chlorodibromomethane	0.0100	0.0109	0.0109	109	109	77.0-125			0.000	20
Chloroethane	0.0100	0.00827	0.00785	82.7	78.5	47.0-150			5.21	20
Chloroform	0.0100	0.00913	0.00918	91.3	91.8	73.0-120			0.546	20
Chloromethane	0.0100	0.00814	0.00795	81.4	79.5	41.0-142			2.36	20
1,2-Dibromoethane	0.0100	0.00987	0.0101	98.7	101	80.0-122			2.30	20
1,1-Dichloroethane	0.0100	0.0103	0.00998	103	99.8	70.0-126			3.16	20
1,2-Dichloroethane	0.0100	0.0109	0.0107	109	107	70.0-128			1.85	20
1,1-Dichloroethene	0.0100	0.00877	0.00845	87.7	84.5	71.0-124			3.72	20
cis-1,2-Dichloroethene	0.0100	0.0103	0.00881	103	88.1	73.0-120			15.6	20
trans-1,2-Dichloroethene	0.0100	0.00909	0.00879	90.9	87.9	73.0-120			3.36	20
1,2-Dichloropropane	0.0100	0.0101	0.00992	101	99.2	77.0-125			1.80	20
cis-1,3-Dichloropropene	0.0100	0.00891	0.00879	89.1	87.9	80.0-123			1.36	20
trans-1,3-Dichloropropene	0.0100	0.00924	0.00939	92.4	93.9	78.0-124			1.61	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4287534-1 10/12/25 00:01 • (LCSD) R4287534-2 10/12/25 00:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0100	0.00939	0.00959	93.9	95.9	79.0-123			2.11	20
Hexachloro-1,3-butadiene	0.0100	0.00951	0.00922	95.1	92.2	54.0-138			3.10	20
2-Hexanone	0.0500	0.0599	0.0626	120	125	67.0-149			4.41	20
Isopropylbenzene	0.0100	0.00923	0.00911	92.3	91.1	76.0-127			1.31	20
p-Isopropyltoluene	0.0100	0.00866	0.00848	86.6	84.8	76.0-125			2.10	20
2-Butanone (MEK)	0.0500	0.0649	0.0679	130	136	44.0-160			4.52	20
Methylene Chloride	0.0100	0.00846	0.00812	84.6	81.2	67.0-120			4.10	20
4-Methyl-2-pentanone (MIBK)	0.0500	0.0589	0.0607	118	121	68.0-142			3.01	20
Methyl tert-butyl ether	0.0100	0.00975	0.00933	97.5	93.3	68.0-125			4.40	20
Naphthalene	0.0100	0.00848	0.00867	84.8	86.7	54.0-135			2.22	20
n-Propylbenzene	0.0100	0.00817	0.00798	81.7	79.8	77.0-124			2.35	20
Styrene	0.0100	0.00938	0.00933	93.8	93.3	73.0-130			0.534	20
1,1,2,2-Tetrachloroethane	0.0100	0.00778	0.00759	77.8	75.9	65.0-130			2.47	20
Tetrachloroethene	0.0100	0.0101	0.00994	101	99.4	72.0-132			1.60	20
Toluene	0.0100	0.00915	0.00925	91.5	92.5	79.0-120			1.09	20
1,1,1-Trichloroethane	0.0100	0.00973	0.00952	97.3	95.2	73.0-124			2.18	20
1,1,2-Trichloroethane	0.0100	0.00921	0.00966	92.1	96.6	80.0-120			4.77	20
Trichloroethene	0.0100	0.0103	0.0101	103	101	78.0-124			1.96	20
1,2,4-Trimethylbenzene	0.0100	0.00834	0.00814	83.4	81.4	76.0-121			2.43	20
1,3,5-Trimethylbenzene	0.0100	0.00856	0.00849	85.6	84.9	76.0-122			0.821	20
Vinyl chloride	0.0100	0.00814	0.00777	81.4	77.7	67.0-131			4.65	20
Xylenes, Total	0.0300	0.0282	0.0282	94.0	94.0	79.0-123			0.000	20
(S) Toluene-d8				*99.8*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.1*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*120*	*121*	*70.0-130*				

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/12/25 07:14 • (MS) R4287534-4 10/12/25 08:15 • (MSD) R4287534-5 10/12/25 08:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.0500	U	0.0644	0.0635	129	127	1	10.0-160			1.41	35
Benzene	0.0100	U	0.00779	0.00782	77.9	78.2	1	17.0-158			0.384	27
Bromodichloromethane	0.0100	U	0.00909	0.00894	90.9	89.4	1	31.0-150			1.66	27
Bromoform	0.0100	U	0.0113	0.0106	113	106	1	29.0-150			6.39	29
Bromomethane	0.0100	U	0.00743	0.00797	74.3	79.7	1	10.0-160			7.01	38
n-Butylbenzene	0.0100	U	0.00701	0.00697	70.1	69.7	1	31.0-150			0.572	30
sec-Butylbenzene	0.0100	U	0.00723	0.00699	72.3	69.9	1	33.0-155			3.38	29
tert-Butylbenzene	0.0100	U	0.00759	0.00747	75.9	74.7	1	34.0-153			1.59	28

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/12/25 07:14 • (MS) R4287534-4 10/12/25 08:15 • (MSD) R4287534-5 10/12/25 08:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbon disulfide	0.0100	U	0.00711	0.00729	71.1	72.9	1	10.0-156			2.50	28
Carbon tetrachloride	0.0100	U	0.00967	0.00968	96.7	96.8	1	23.0-159			0.103	28
Chlorobenzene	0.0100	U	0.00938	0.00887	93.8	88.7	1	33.0-152			5.59	27
Chlorodibromomethane	0.0100	U	0.0108	0.0105	108	105	1	37.0-149			2.82	27
Chloroethane	0.0100	U	0.00661	0.00668	66.1	66.8	1	10.0-160			1.05	30
Chloroform	0.0100	U	0.00865	0.00840	86.5	84.0	1	29.0-154			2.93	28
Chloromethane	0.0100	U	0.00670	0.00689	67.0	68.9	1	10.0-160			2.80	29
1,2-Dibromoethane	0.0100	U	0.0101	0.00949	101	94.9	1	34.0-147			6.23	27
1,1-Dichloroethane	0.0100	U	0.00944	0.00905	94.4	90.5	1	25.0-158			4.22	27
1,2-Dichloroethane	0.0100	U	0.0113	0.0112	113	112	1	29.0-151			0.889	27
1,1-Dichloroethene	0.0100	U	0.00776	0.00755	77.6	75.5	1	11.0-160			2.74	29
cis-1,2-Dichloroethene	0.0100	U	0.00822	0.00878	82.2	87.8	1	10.0-160			6.59	27
trans-1,2-Dichloroethene	0.0100	U	0.00816	0.00785	81.6	78.5	1	17.0-153			3.87	27
1,2-Dichloropropane	0.0100	U	0.00988	0.00959	98.8	95.9	1	30.0-156			2.98	27
cis-1,3-Dichloropropene	0.0100	U	0.00846	0.00841	84.6	84.1	1	34.0-149			0.593	28
trans-1,3-Dichloropropene	0.0100	U	0.00906	0.00872	90.6	87.2	1	32.0-149			3.82	28
Ethylbenzene	0.0100	U	0.00815	0.00814	81.5	81.4	1	30.0-155			0.123	27
Hexachloro-1,3-butadiene	0.0100	U	0.00796	0.00801	79.6	80.1	1	20.0-154			0.626	34
2-Hexanone	0.0500	U	0.0603	0.0582	121	116	1	21.0-160			3.54	29
Isopropylbenzene	0.0100	U	0.00803	0.00781	80.3	78.1	1	28.0-157			2.78	27
p-Isopropyltoluene	0.0100	U	0.00762	0.00763	76.2	76.3	1	30.0-154			0.131	29
2-Butanone (MEK)	0.0500	U	0.0630	0.0635	126	127	1	10.0-160			0.791	32
Methylene Chloride	0.0100	U	0.00809	0.00791	80.9	79.1	1	23.0-144			2.25	28
4-Methyl-2-pentanone (MIBK)	0.0500	U	0.0647	0.0621	129	124	1	29.0-160			4.10	29
Methyl tert-butyl ether	0.0100	U	0.0105	0.0101	105	101	1	28.0-150			3.88	29
Naphthalene	0.0100	U	0.00721	0.00816	72.1	81.6	1	12.0-156			12.4	35
n-Propylbenzene	0.0100	U	0.00732	0.00719	73.2	71.9	1	31.0-154			1.79	28
Styrene	0.0100	U	0.00862	0.00825	86.2	82.5	1	33.0-155			4.39	28
1,1,2,2-Tetrachloroethane	0.0100	U	0.00866	0.00823	86.6	82.3	1	33.0-150			5.09	28
Tetrachloroethene	0.0100	U	0.00850	0.00851	85.0	85.1	1	10.0-160			0.118	27
Toluene	0.0100	U	0.00811	0.00788	81.1	78.8	1	26.0-154			2.88	28
1,1,1-Trichloroethane	0.0100	U	0.00874	0.00858	87.4	85.8	1	23.0-160			1.85	28
1,1,2-Trichloroethane	0.0100	U	0.00962	0.00913	96.2	91.3	1	35.0-147			5.23	27
Trichloroethene	0.0100	U	0.00843	0.00853	84.3	85.3	1	10.0-160			1.18	25
1,2,4-Trimethylbenzene	0.0100	U	0.00770	0.00749	77.0	74.9	1	26.0-154			2.76	27
1,3,5-Trimethylbenzene	0.0100	U	0.00778	0.00756	77.8	75.6	1	28.0-153			2.87	27
Vinyl chloride	0.0100	U	0.00685	0.00677	68.5	67.7	1	10.0-160			1.17	27
Xylenes, Total	0.0300	U	0.0250	0.0243	83.3	81.0	1	29.0-154			2.84	28
(S) Toluene-d8					*101*	*98.0*		*80.0-120*				
(S) 4-Bromofluorobenzene					*96.4*	*96.6*		*77.0-126*				

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/12/25 07:14 • (MS) R4287534-4 10/12/25 08:15 • (MSD) R4287534-5 10/12/25 08:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 1,2-Dichloroethane-d4					*123*	*124*		*70.0-130*				

Method Blank (MB)

(MB) R4286314-3 10/11/25 21:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0469	0.0500
Benzene	U		0.000320	0.00100
Bromodichloromethane	U		0.000371	0.00100
Bromoform	U		0.000548	0.00100
Bromomethane	U		0.00485	0.00500
n-Butylbenzene	U		0.000516	0.00100
sec-Butylbenzene	U		0.000355	0.00100
tert-Butylbenzene	U		0.000314	0.00100
Carbon disulfide	U		0.000510	0.00100
Carbon tetrachloride	U		0.000360	0.00100
Chlorobenzene	U		0.000266	0.00100
Chlorodibromomethane	U		0.000398	0.00100
Chloroethane	U		0.00279	0.00500
Chloroform	U		0.00128	0.00500
Chloromethane	U		0.00170	0.00500
1,2-Dibromoethane	U		0.000341	0.00100
1,1-Dichloroethane	U		0.000389	0.00100
1,2-Dichloroethane	U		0.000395	0.00100
1,1-Dichloroethene	U		0.000422	0.00100
cis-1,2-Dichloroethene	U		0.000323	0.00100
trans-1,2-Dichloroethene	U		0.000348	0.00100
1,2-Dichloropropane	U		0.000427	0.00100
cis-1,3-Dichloropropene	U		0.000348	0.00100
trans-1,3-Dichloropropene	U		0.000313	0.00100
Ethylbenzene	U		0.000234	0.00100
Hexachloro-1,3-butadiene	U		0.000650	0.00200
2-Hexanone	U		0.00580	0.0200
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000345	0.00100
2-Butanone (MEK)	U		0.00900	0.0200
Methylene Chloride	U		0.00148	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00752	0.0200
Methyl tert-butyl ether	U		0.000357	0.00100
Naphthalene	U		0.00264	0.00500
n-Propylbenzene	U		0.000239	0.00100
Styrene	U		0.000342	0.00100
1,1,2,2-Tetrachloroethane	U		0.000354	0.00100
Tetrachloroethene	U		0.000358	0.00100
Toluene	U		0.000274	0.00100
1,1,1-Trichloroethane	U		0.000336	0.00100

Method Blank (MB)

(MB) R4286314-3 10/11/25 21:34

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1,2-Trichloroethane	U		0.000375	0.00100
Trichloroethene	U		0.000383	0.00100
1,2,4-Trimethylbenzene	U		0.000274	0.00200
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000458	0.00100
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4286314-1 10/11/25 20:36 • (LCSD) R4286314-2 10/11/25 20:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0500	0.0669	0.0648	134	130	19.0-160			3.19	27
Benzene	0.0100	0.00938	0.00930	93.8	93.0	70.0-123			0.857	20
Bromodichloromethane	0.0100	0.00922	0.00943	92.2	94.3	75.0-120			2.25	20
Bromoform	0.0100	0.00881	0.00915	88.1	91.5	68.0-132			3.79	20
Bromomethane	0.0100	0.00871	0.00840	87.1	84.0	10.0-160			3.62	25
n-Butylbenzene	0.0100	0.00916	0.00925	91.6	92.5	73.0-125			0.978	20
sec-Butylbenzene	0.0100	0.00970	0.00960	97.0	96.0	75.0-125			1.04	20
tert-Butylbenzene	0.0100	0.00950	0.00940	95.0	94.0	76.0-124			1.06	20
Carbon disulfide	0.0100	0.00959	0.00947	95.9	94.7	61.0-128			1.26	20
Carbon tetrachloride	0.0100	0.0116	0.0113	116	113	68.0-126			2.62	20
Chlorobenzene	0.0100	0.00871	0.00897	87.1	89.7	80.0-121			2.94	20
Chlorodibromomethane	0.0100	0.00887	0.00907	88.7	90.7	77.0-125			2.23	20
Chloroethane	0.0100	0.00885	0.00868	88.5	86.8	47.0-150			1.94	20
Chloroform	0.0100	0.00912	0.00925	91.2	92.5	73.0-120			1.42	20
Chloromethane	0.0100	0.00866	0.00896	86.6	89.6	41.0-142			3.41	20
1,2-Dibromoethane	0.0100	0.00869	0.00925	86.9	92.5	80.0-122			6.24	20
1,1-Dichloroethane	0.0100	0.00925	0.00925	92.5	92.5	70.0-126			0.000	20
1,2-Dichloroethane	0.0100	0.00937	0.00948	93.7	94.8	70.0-128			1.17	20
1,1-Dichloroethene	0.0100	0.00831	0.00835	83.1	83.5	71.0-124			0.480	20
cis-1,2-Dichloroethene	0.0100	0.00911	0.00916	91.1	91.6	73.0-120			0.547	20
trans-1,2-Dichloroethene	0.0100	0.00898	0.00871	89.8	87.1	73.0-120			3.05	20
1,2-Dichloropropane	0.0100	0.00942	0.00919	94.2	91.9	77.0-125			2.47	20
cis-1,3-Dichloropropene	0.0100	0.00924	0.00935	92.4	93.5	80.0-123			1.18	20
trans-1,3-Dichloropropene	0.0100	0.00876	0.00894	87.6	89.4	78.0-124			2.03	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4286314-1 10/11/25 20:36 • (LCSD) R4286314-2 10/11/25 20:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.0100	0.00852	0.00881	85.2	88.1	79.0-123			3.35	20
Hexachloro-1,3-butadiene	0.0100	0.00737	0.00769	73.7	76.9	54.0-138			4.25	20
2-Hexanone	0.0500	0.0511	0.0523	102	105	67.0-149			2.32	20
Isopropylbenzene	0.0100	0.00931	0.00957	93.1	95.7	76.0-127			2.75	20
p-Isopropyltoluene	0.0100	0.00955	0.00955	95.5	95.5	76.0-125			0.000	20
2-Butanone (MEK)	0.0500	0.0531	0.0514	106	103	44.0-160			3.25	20
Methylene Chloride	0.0100	0.00893	0.00873	89.3	87.3	67.0-120			2.27	20
4-Methyl-2-pentanone (MIBK)	0.0500	0.0506	0.0521	101	104	68.0-142			2.92	20
Methyl tert-butyl ether	0.0100	0.00955	0.00961	95.5	96.1	68.0-125			0.626	20
Naphthalene	0.0100	0.00693	0.00716	69.3	71.6	54.0-135			3.26	20
n-Propylbenzene	0.0100	0.00955	0.00957	95.5	95.7	77.0-124			0.209	20
Styrene	0.0100	0.00929	0.00951	92.9	95.1	73.0-130			2.34	20
1,1,2,2-Tetrachloroethane	0.0100	0.0102	0.0105	102	105	65.0-130			2.90	20
Tetrachloroethene	0.0100	0.00805	0.00826	80.5	82.6	72.0-132			2.58	20
Toluene	0.0100	0.00907	0.00926	90.7	92.6	79.0-120			2.07	20
1,1,1-Trichloroethane	0.0100	0.00996	0.0101	99.6	101	73.0-124			1.40	20
1,1,2-Trichloroethane	0.0100	0.00910	0.00904	91.0	90.4	80.0-120			0.662	20
Trichloroethene	0.0100	0.00891	0.00857	89.1	85.7	78.0-124			3.89	20
1,2,4-Trimethylbenzene	0.0100	0.00966	0.00991	96.6	99.1	76.0-121			2.55	20
1,3,5-Trimethylbenzene	0.0100	0.00982	0.00976	98.2	97.6	76.0-122			0.613	20
Vinyl chloride	0.0100	0.00865	0.00844	86.5	84.4	67.0-131			2.46	20
Xylenes, Total	0.0300	0.0274	0.0280	91.3	93.3	79.0-123			2.17	20
(S) Toluene-d8				*97.4*	*98.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.8*	*99.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*102*	*70.0-130*				

Method Blank (MB)

(MB) R4286691-5 10/14/25 00:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000320	0.00100
Ethylbenzene	U		0.000234	0.00100
Toluene	U		0.000274	0.00100
1,2,4-Trimethylbenzene	U		0.000274	0.00200
Xylenes, Total	U		0.000319	0.00300
(S) Toluene-d8	*99.6*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4286691-1 10/13/25 22:40 • (LCSD) R4286691-2 10/13/25 23:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0100	0.00931	0.00930	93.1	93.0	70.0-123			0.107	20
Ethylbenzene	0.0100	0.00856	0.00872	85.6	87.2	79.0-123			1.85	20
Toluene	0.0100	0.00904	0.00893	90.4	89.3	79.0-120			1.22	20
1,2,4-Trimethylbenzene	0.0100	0.00942	0.00967	94.2	96.7	76.0-121			2.62	20
Xylenes, Total	0.0300	0.0273	0.0276	91.0	92.0	79.0-123			1.09	20
(S) Toluene-d8				*94.8*	*96.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*101*	*99.5*	*70.0-130*				

Method Blank (MB)

(MB) R4288104-1 10/16/25 00:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) High Fraction	U		0.0605	0.100
(S) o-Terphenyl	*110*			*52.0-156*

Laboratory Control Sample (LCS)

(LCS) R4288104-2 10/16/25 00:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) High Fraction	1.50	1.58	105	50.0-150	
(S) o-Terphenyl			*174*	*52.0-156*	J1

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/16/25 04:05 • (MS) R4288104-3 10/16/25 04:25 • (MSD) R4288104-4 10/16/25 04:45

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) High Fraction	1.43	0.158	1.63	1.69	103	107	1	50.0-150			3.61	20
(S) o-Terphenyl					*161*	*168*		*52.0-156*	J1	J1		

Method Blank (MB)

(MB) R4289576-2 10/17/25 23:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.000246	0.00100
Acenaphthylene	U		0.000265	0.00100
Acetophenone	U		0.00205	0.0100
Anthracene	U		0.000196	0.00100
Atrazine	U		0.00244	0.0100
Benzo(a)anthracene	U		0.000234	0.00100
Benzaldehyde	U		0.00866	0.0100
Benzo(b)fluoranthene	U		0.000280	0.00100
Benzo(k)fluoranthene	U		0.000247	0.00100
Benzo(g,h,i)perylene	U		0.000254	0.00100
Benzo(a)pyrene	U		0.000128	0.000200
Biphenyl	U		0.00274	0.0100
Bis(2-chlorethoxy)methane	U		0.00188	0.0100
Bis(2-chloroethyl)ether	U		0.00205	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.00191	0.0100
4-Bromophenyl-phenylether	U		0.00267	0.0100
2-Chloronaphthalene	U		0.000259	0.00100
4-Chlorophenyl-phenylether	U		0.00222	0.0100
Caprolactam	U		0.000736	0.0100
Carbazole	U		0.00211	0.0100
Chrysene	U		0.000279	0.00100
Dibenz(a,h)anthracene	U		0.000148	0.000200
Dibenzofuran	U		0.00251	0.0100
3,3-Dichlorobenzidine	U		0.00758	0.0100
2,4-Dinitrotoluene	U		0.00187	0.0100
2,6-Dinitrotoluene	U		0.00186	0.0100
Fluoranthene	U		0.000229	0.00100
Fluorene	U		0.000277	0.00100
Hexachlorobenzene	U		0.000259	0.00100
Hexachloro-1,3-butadiene	U		0.00227	0.0100
Hexachlorocyclopentadiene	U		0.00281	0.0100
Hexachloroethane	U		0.00215	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000285	0.00100
Isophorone	U		0.00172	0.0100
1-Methylnaphthalene	U		0.000245	0.00100
2-Methylnaphthalene	U		0.000276	0.00100
Naphthalene	U		0.000678	0.00100
Nitrobenzene	U		0.00197	0.0100
n-Nitrosodiphenylamine	U		0.00202	0.0100
n-Nitrosodi-n-propylamine	U		0.00202	0.0100

Method Blank (MB)

(MB) R4289576-2 10/17/25 23:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phenanthrene	U		0.000219	0.00100
Benzylbutyl phthalate	U		0.00113	0.00300
Bis(2-ethylhexyl)phthalate	U		0.00165	0.00300
Di-n-butyl phthalate	U		0.000794	0.00300
Diethyl phthalate	U		0.000861	0.00300
Dimethyl phthalate	U		0.000772	0.00300
Di-n-octyl phthalate	U		0.00133	0.00300
Pyrene	U		0.000259	0.00100
1,2,4-Trichlorobenzene	U		0.00230	0.0100
4-Chloro-3-methylphenol	U		0.00228	0.0100
2-Chlorophenol	U		0.00211	0.0100
2,4-Dichlorophenol	U		0.00241	0.0100
2,4-Dimethylphenol	U		0.00433	0.0100
4,6-Dinitro-2-methylphenol	U		0.00349	0.0100
2,4-Dinitrophenol	U		0.00571	0.0100
2-Nitrophenol	U		0.00260	0.0100
2-Nitroaniline	U		0.00236	0.0100
2-Methylphenol	U		0.00170	0.0100
3&4-Methyl Phenol	U		0.00154	0.0100
3-Nitroaniline	U		0.00120	0.0100
4-Chloroaniline	U		0.00506	0.0100
4-Nitroaniline	U		0.00211	0.0100
4-Nitrophenol	U		0.00755	0.0100
Pentachlorophenol	U		0.000708	0.0100
Phenol	U		0.000757	0.0100
2,4,5-Trichlorophenol	U		0.00270	0.0100
2,4,6-Trichlorophenol	U		0.00238	0.0100
(S) 2-Fluorophenol	*37.0*			*10.0-120*
(S) Phenol-d5	*24.8*			*10.0-120*
(S) Nitrobenzene-d5	*64.7*			*10.0-127*
(S) 2-Fluorobiphenyl	*59.1*			*10.0-130*
(S) 2,4,6-Tribromophenol	*62.5*			*10.0-155*
(S) p-Terphenyl-d14	*83.1*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R4289576-1 10/17/25 23:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0315	63.0	41.0-120	
Acenaphthylene	0.0500	0.0329	65.8	43.0-120	
Acetophenone	0.0500	0.0313	62.6	29.0-120	
Anthracene	0.0500	0.0361	72.2	45.0-120	
Atrazine	0.0500	0.0426	85.2	39.0-141	
Benzo(a)anthracene	0.0500	0.0364	72.8	47.0-120	
Benzaldehyde	0.0500	0.0664	133	10.0-160	
Benzo(b)fluoranthene	0.0500	0.0377	75.4	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0373	74.6	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0359	71.8	48.0-121	
Benzo(a)pyrene	0.0500	0.0339	67.8	47.0-120	
Biphenyl	0.0500	0.0333	66.6	38.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0297	59.4	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0267	53.4	23.0-120	
2,2-Oxybis(1-Chloropropane)	0.0500	0.0263	52.6	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0350	70.0	45.0-120	
2-Chloronaphthalene	0.0500	0.0315	63.0	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0336	67.2	44.0-120	
Caprolactam	0.0500	0.0143	28.6	10.0-120	
Carbazole	0.0500	0.0394	78.8	51.0-122	
Chrysene	0.0500	0.0397	79.4	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0376	75.2	47.0-120	
Dibenzofuran	0.0500	0.0347	69.4	44.0-120	
3,3-Dichlorobenzidine	0.100	0.0777	77.7	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0347	69.4	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0361	72.2	46.0-120	
Fluoranthene	0.0500	0.0414	82.8	51.0-120	
Fluorene	0.0500	0.0348	69.6	47.0-120	
Hexachlorobenzene	0.0500	0.0352	70.4	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0256	51.2	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0154	30.8	15.0-120	
Hexachloroethane	0.0500	0.0245	49.0	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0328	65.6	49.0-122	
Isophorone	0.0500	0.0319	63.8	36.0-120	
1-Methylnaphthalene	0.0500	0.0281	56.2	33.0-120	
2-Methylnaphthalene	0.0500	0.0266	53.2	33.0-120	
Naphthalene	0.0500	0.0251	50.2	27.0-120	
Nitrobenzene	0.0500	0.0288	57.6	27.0-120	
n-Nitrosodiphenylamine	0.0500	0.0308	61.6	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0342	68.4	31.0-120	

Laboratory Control Sample (LCS)

(LCS) R4289576-1 10/17/25 23:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.0500	0.0366	73.2	46.0-120	
Benzylbutyl phthalate	0.0500	0.0412	82.4	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0416	83.2	43.0-122	
Di-n-butyl phthalate	0.0500	0.0417	83.4	49.0-121	
Diethyl phthalate	0.0500	0.0390	78.0	48.0-122	
Dimethyl phthalate	0.0500	0.0370	74.0	48.0-120	
Di-n-octyl phthalate	0.0500	0.0462	92.4	42.0-125	
Pyrene	0.0500	0.0394	78.8	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0265	53.0	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0371	74.2	40.0-120	
2-Chlorophenol	0.0500	0.0252	50.4	25.0-120	
2,4-Dichlorophenol	0.0500	0.0316	63.2	36.0-120	
2,4-Dimethylphenol	0.0500	0.0345	69.0	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0389	77.8	38.0-138	
2,4-Dinitrophenol	0.0500	0.0359	71.8	10.0-120	
2-Nitrophenol	0.0500	0.0288	57.6	31.0-120	
2-Nitroaniline	0.0500	0.0360	72.0	43.0-120	
2-Methylphenol	0.0500	0.0257	51.4	28.0-120	
3&4-Methyl Phenol	0.0500	0.0290	58.0	31.0-120	
3-Nitroaniline	0.0500	0.0337	67.4	38.0-120	
4-Chloroaniline	0.0500	0.0286	57.2	25.0-120	
4-Nitroaniline	0.0500	0.0384	76.8	18.0-160	
4-Nitrophenol	0.0500	0.0155	31.0	10.0-120	
Pentachlorophenol	0.0500	0.0316	63.2	23.0-120	
Phenol	0.0500	0.0155	31.0	10.0-120	
2,4,5-Trichlorophenol	0.0500	0.0386	77.2	44.0-120	
2,4,6-Trichlorophenol	0.0500	0.0407	81.4	42.0-120	
(S) 2-Fluorophenol			*38.5*	*10.0-120*	
(S) Phenol-d5			*28.0*	*10.0-120*	
(S) Nitrobenzene-d5			*62.7*	*10.0-127*	
(S) 2-Fluorobiphenyl			*67.7*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*77.5*	*10.0-155*	
(S) p-Terphenyl-d14			*81.0*	*10.0-128*	

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/18/25 03:29 • (MS) R4289576-3 10/18/25 03:51 • (MSD) R4289576-4 10/18/25 04:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0481	U	0.0319	0.0298	66.3	54.9	1	28.0-120			6.81	25
Acenaphthylene	0.0481	U	0.0334	0.0317	69.4	58.4	1	31.0-121			5.22	25
Acetophenone	0.0481	U	0.0323	0.0288	67.2	53.0	1	20.0-120			11.5	35
Anthracene	0.0481	U	0.0333	0.0335	69.2	61.7	1	36.0-120			0.599	23
Atrazine	0.0481	U	0.0389	0.0432	80.9	79.6	1	39.0-130			10.5	23
Benzo(a)anthracene	0.0481	U	0.0347	0.0365	72.1	67.2	1	39.0-120			5.06	23
Benzaldehyde	0.0481	U	0.0690	0.0610	143	112	1	10.0-160			12.3	40
Benzo(b)fluoranthene	0.0481	U	0.0371	0.0393	77.1	72.4	1	37.0-120			5.76	23
Benzo(k)fluoranthene	0.0481	U	0.0369	0.0398	76.7	73.3	1	37.0-120			7.56	26
Benzo(g,h,i)perylene	0.0481	U	0.0329	0.0358	68.4	65.9	1	37.0-123			8.44	25
Benzo(a)pyrene	0.0481	U	0.0315	0.0324	65.5	59.7	1	37.0-120			2.82	24
Biphenyl	0.0481	U	0.0349	0.0312	72.6	57.5	1	29.0-120			11.2	33
Bis(2-chlorethoxy)methane	0.0481	U	0.0293	0.0272	60.9	50.1	1	17.0-120			7.43	31
Bis(2-chloroethyl)ether	0.0481	U	0.0282	0.0241	58.6	44.4	1	14.0-120			15.7	33
2,2-Oxybis(1-Chloropropane)	0.0481	U	0.0278	0.0234	57.8	43.1	1	18.0-120			17.2	34
4-Bromophenyl-phenylether	0.0481	U	0.0352	0.0357	73.2	65.7	1	37.0-120			1.41	24
2-Chloronaphthalene	0.0481	U	0.0334	0.0297	69.4	54.7	1	29.0-120			11.7	28
4-Chlorophenyl-phenylether	0.0481	U	0.0337	0.0334	70.1	61.5	1	36.0-120			0.894	23
Caprolactam	0.0481	U	0.0132	0.0162	27.4	29.8	1	10.0-120			20.4	40
Carbazole	0.0481	U	0.0365	0.0386	75.9	71.1	1	38.0-127			5.59	21
Chrysene	0.0481	U	0.0375	0.0401	78.0	73.8	1	38.0-120			6.70	23
Dibenz(a,h)anthracene	0.0481	U	0.0358	0.0381	74.4	70.2	1	36.0-121			6.22	24
Dibenzofuran	0.0481	U	0.0350	0.0333	72.8	61.3	1	32.0-120			4.98	26
3,3-Dichlorobenzidine	0.0962	U	0.0580	0.0686	60.3	62.9	1	10.0-134			16.7	30
2,4-Dinitrotoluene	0.0481	U	0.0332	0.0358	69.0	65.9	1	39.0-125			7.54	25
2,6-Dinitrotoluene	0.0481	U	0.0353	0.0350	73.4	64.5	1	36.0-120			0.853	27
Fluoranthene	0.0481	U	0.0386	0.0410	80.2	75.5	1	41.0-121			6.03	22
Fluorene	0.0481	U	0.0342	0.0341	71.1	62.8	1	37.0-120			0.293	24
Hexachlorobenzene	0.0481	U	0.0361	0.0362	75.1	66.7	1	35.0-122			0.277	24
Hexachloro-1,3-butadiene	0.0481	U	0.0289	0.0243	60.1	44.8	1	12.0-120			17.3	34
Hexachlorocyclopentadiene	0.0481	U	0.0215	0.0171	44.7	31.5	1	10.0-120			22.8	33
Hexachloroethane	0.0481	U	0.0263	0.0228	54.7	42.0	1	10.0-120			14.3	40
Indeno(1,2,3-cd)pyrene	0.0481	U	0.0315	0.0339	65.5	62.4	1	38.0-125			7.34	24
Isophorone	0.0481	U	0.0312	0.0299	64.9	55.1	1	21.0-120			4.26	27
1-Methylnaphthalene	0.0481	U	0.0283	0.0260	58.8	47.9	1	11.0-120			8.47	27
2-Methylnaphthalene	0.0481	U	0.0272	0.0248	56.5	45.7	1	17.0-120			9.23	28
Naphthalene	0.0481	U	0.0269	0.0229	55.9	42.2	1	10.0-120			16.1	31
Nitrobenzene	0.0481	U	0.0308	0.0270	64.0	49.7	1	12.0-120			13.1	30
n-Nitrosodiphenylamine	0.0481	U	0.0267	0.0286	55.5	52.7	1	37.0-120			6.87	24
n-Nitrosodi-n-propylamine	0.0481	U	0.0331	0.0314	68.8	57.8	1	16.0-120			5.27	30

L1906747-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1906747-11 10/18/25 03:29 • (MS) R4289576-3 10/18/25 03:51 • (MSD) R4289576-4 10/18/25 04:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.0481	U	0.0352	0.0360	73.2	66.3	1	33.0-120			2.25	22
Benzylbutyl phthalate	0.0481	U	0.0397	0.0419	82.5	77.2	1	34.0-126			5.39	24
Bis(2-ethylhexyl)phthalate	0.0481	U	0.0404	0.0421	84.0	77.5	1	33.0-126			4.12	25
Di-n-butyl phthalate	0.0481	U	0.0383	0.0409	79.6	75.3	1	35.0-128			6.57	23
Diethyl phthalate	0.0481	U	0.0369	0.0394	76.7	72.6	1	39.0-125			6.55	24
Dimethyl phthalate	0.0481	U	0.0357	0.0376	74.2	69.2	1	37.0-120			5.18	24
Di-n-octyl phthalate	0.0481	U	0.0422	0.0459	87.7	84.5	1	25.0-135			8.40	26
Pyrene	0.0481	U	0.0385	0.0403	80.0	74.2	1	39.0-120			4.57	22
1,2,4-Trichlorobenzene	0.0481	U	0.0287	0.0244	59.7	44.9	1	15.0-120			16.2	31
4-Chloro-3-methylphenol	0.0481	U	0.0338	0.0364	70.3	67.0	1	26.0-120			7.41	27
2-Chlorophenol	0.0481	U	0.0262	0.0256	54.5	47.1	1	18.0-120			2.32	34
2,4-Dichlorophenol	0.0481	U	0.0322	0.0309	66.9	56.9	1	19.0-120			4.12	27
2,4-Dimethylphenol	0.0481	U	0.0254	0.0318	52.8	58.6	1	15.0-120			22.4	28
4,6-Dinitro-2-methylphenol	0.0481	U	0.0389	0.0405	80.9	74.6	1	10.0-144			4.03	39
2,4-Dinitrophenol	0.0481	U	0.0398	0.0419	82.7	77.2	1	10.0-120			5.14	40
2-Nitrophenol	0.0481	U	0.0310	0.0270	64.4	49.7	1	20.0-120			13.8	30
2-Nitroaniline	0.0481	U	0.0353	0.0372	73.4	68.5	1	33.0-120			5.24	27
2-Methylphenol	0.0481	U	0.0231	0.0242	48.0	44.6	1	10.0-120			4.65	30
3&4-Methyl Phenol	0.0481	U	0.0253	0.0280	52.6	51.6	1	10.0-120			10.1	36
3-Nitroaniline	0.0481	U	0.0293	0.0360	60.9	66.3	1	20.0-120			20.5	27
4-Chloroaniline	0.0481	U	0.0233	0.0296	48.4	54.5	1	10.0-120			23.8	31
4-Nitroaniline	0.0481	U	0.0329	0.0382	68.4	70.3	1	10.0-160			14.9	26
4-Nitrophenol	0.0481	U	0.0150	0.0195	31.2	35.9	1	10.0-120			26.1	40
Pentachlorophenol	0.0481	U	0.0339	0.0340	70.5	62.6	1	10.0-128			0.295	37
Phenol	0.0481	U	0.0148	0.0167	30.8	30.8	1	10.0-120			12.1	40
2,4,5-Trichlorophenol	0.0481	U	0.0381	0.0390	79.2	71.8	1	33.0-120			2.33	31
2,4,6-Trichlorophenol	0.0481	U	0.0414	0.0400	86.1	73.7	1	26.0-120			3.44	31
(S) 2-Fluorophenol					*41.0*	*37.9*		*10.0-120*				
(S) Phenol-d5					*28.9*	*28.9*		*10.0-120*				
(S) Nitrobenzene-d5					*68.3*	*53.7*		*10.0-127*				
(S) 2-Fluorobiphenyl					*72.7*	*58.1*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*83.3*	*74.2*		*10.0-155*				
(S) p-Terphenyl-d14					*82.4*	*76.1*		*10.0-128*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C7	The initial calibration verification standard (SSCV) associated with this data responded high.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

GLOSSARY OF TERMS

Qualifier	Description
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TRC Solutions - Austin, TX
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to: **Julie Speer 512-684-3176**

Email To: **jspeer@trccompanies.com;aeljuri@trccompanie**

Project Description: **Lovington Lea Refinery**

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # **648909.0000.0000**

Lab Project # **TRCATX-LOVINGTON NAV**

Collected by (print): James Tatum + Hunt Tem

Site/Facility ID #

P.O. # **227146**

Collected by (signature):

Immediately Packed on Ice N___ Y✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1906747
Table # Y003
Acctnum: **TRCATX**
Template:**T260121**
Prelogin: **P1181395**
PM: **526 - Chris McCord**
PB 09/30/25
Shipped Via: **FedEX Priority**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS-FF 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	<2	<2	Remarks	Sample # (lab only)
MW-6	G	GW		10-9-25	1045	3	X				X	X							-01
MW-8		GW			1000	2	X						X						-02
MW-11R		GW			825	5		X						X					-03
MW-12R2		GW			1055	5		X						X					-04
MW-13R		GW			925	2	X						X						-05
MW-15R		GW			1150	6	X				X	X	X					MS/MSD volume provided	-06
MW-19R		GW			1140	2	X						X					for DISS metals only	-07
MW-28R		GW			1300	1	X												-08
MW-29R		GW			1220	2					X	X							-09
~~MW-30~~		GW				9	X	X			X	X	X	X				NOH samples; DRY	

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS ✓ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10-9-25	1430		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				Multi 133	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / (OK)
				10-10-25 0830	

Company Name/Address:
TRC Solutions - Austin, TX
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to: **Julie Speer 512-684-3176**

Email To: **jspeer@trccompanies.com;aeljuri@trccompanie**

Project Description: **Lovington Lea Refinery**

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # **648909.0000.0000**

Lab Project # **TRCATX-LOVINGTON NAV**

Collected by (print): Jacob Tolan + HME

Site/Facility ID #

P.O. # **227146**

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day ___ STD TAT

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1906747
Table # Y003
Acctnum: **TRCATX**
Template:**T260121**
Prelogin: **P1181395**
PM: **526 - Chris McCord**
PB 09/30/2500
Shipped Via: **FedEx Priority**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	**WetChem-48hr HT** 125mlHDPE-NoPres	8270TX 100ml Amb NoPres	DROLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	HG 250mlHDPE-HNO3	NAVAJOMETALSDISS-FF 250mlHDPE HNO3	TDS 500mlHDPE-NoPres	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
~~MW-31~~		GW				13	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	Not sampled; LNAPL		
MW-32	G	GW		10-9-25	830	13	X	X	X	X	X	X	X	X			-10
MW-33	↓	GW		↓	940	13	X	X	X	X	X	X	X	X		(MS/MSD)	-11
~~WW-NORTH~~		GW				13	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		→ No TDS/ NO_3/ NO_2/ SO_4	
WW-SOUTH	G	GW		10-9-25	850	13	X	X	X	X	X	X	X	X		→ Not Sampled	-12
WW-EAST	↓	GW		↓	940	13	X	X	X	X	X	X	X	X			-13
DUP-01	↓	GW		↓	1000	13	X	X	X	X	X	X	X	X			-14
DUP-02	↓	GW		↓	900	13	X	X	X	X	X	X	X	X			-15
EB-01	↓	GW		↓	835	5		X						X			-16
		GW				13	X	X	X	X	X	X	X	X			

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No (HCL) / MeoH TBR	If preservation required by Login: Date/Time
	10-9-25	1430		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				Multi 133	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / (OK)
			Jamcenn	10-10-25 0830	

Company Name/Address:
TRC Solutions - Austin, TX
505 E. Huntland Drive, Suite 250
Austin, TX 78752

Billing Information:
Accounts Payable
21 Griffin Road North
Windsor, CT 06095

Pres Chk

Report to: **Julie Speer 512-684-3176**

Email To: **jspeer@trccompanies.com;aeljuri@trccompanie**

Project Description: **Lovington Lea Refinery**

City/State Collected:

Please Circle: PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project # **648909.0000.0000**

Lab Project # **TRCATX-LOVINGTON NAV**

Collected by (print): Jarhod Tejeda + PAT Tems

Site/Facility ID #

P.O. # **227146**

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
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Quote #

Date Results Needed

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TRIP BLANK-01	G	GW		10-9-25	—	1									X			17
TRIP BLANK-02	↓	GW		↓	—	1									X			18

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

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* Matrix:
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OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

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__ UPS ✓ FedEx __ Courier _____

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Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No (HCL) / MeoH TBR	If preservation required by Login: Date/Time
	10-9-25	1430		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
				Multi 133	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
				10-10-25 0830	

DC#_Title: ENV-FRM-MTJL-0575 v01_Login_Multiple Parcel Form
Effective Date: 2/20/2025

Multiple Parcel Form

L# 41906747

Parcel Tracking Number	Infrared Thermometer ID	Temperature Reading (°C)	Correction Factor (°C)	Corrected Temperature (°C)	Custody Seal Intact
7919 6485 3998	TLA9	0.6	0	0.6	(Yes) / No / Not Present
7919 6485 3954	TLA9	1.1	0	1.1	(Yes) / No / Not Present
7919 6485 4045	TLA9	0.5	0	0.5	(Yes) / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present
					Yes / No / Not Present

Name: Jamaam

Date: 10-10-25

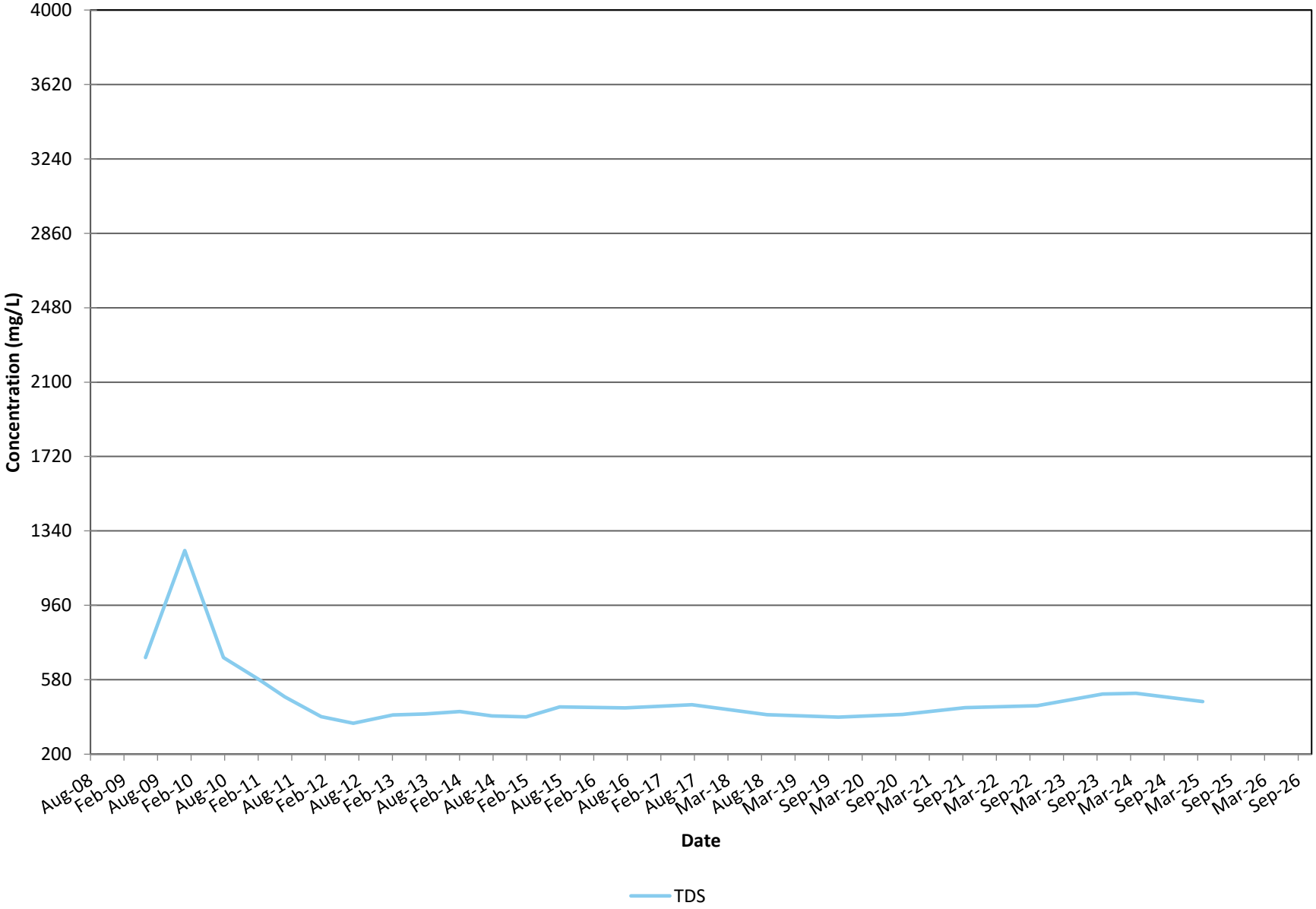
Released to Imaging: 4/17/2026 3:09:37 PM

APPENDIX D

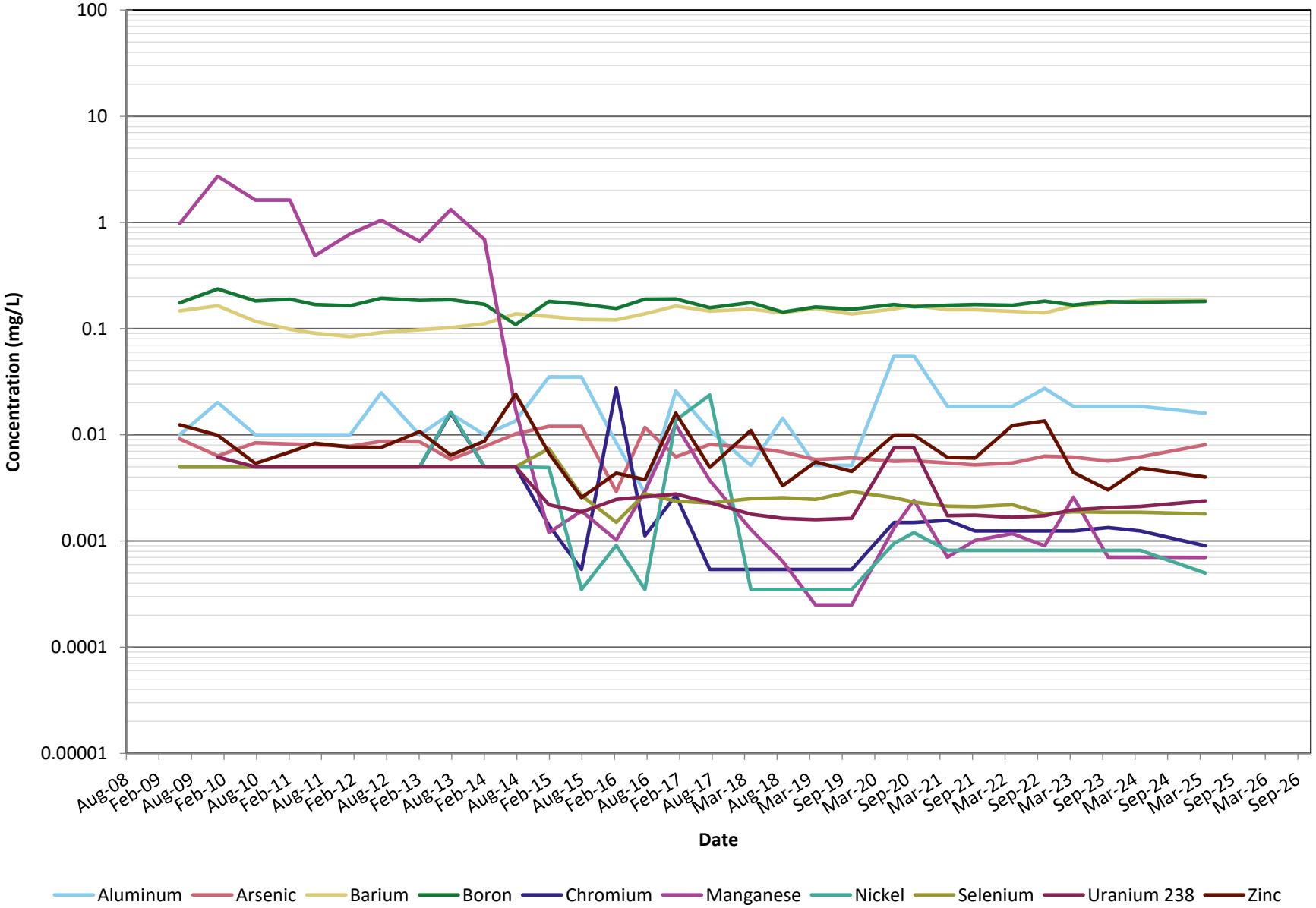
PLOTS OF GROUNDWATER CONCENTRATIONS OVER TIME

Released to Imaging: 4/17/2026 3:09:37 PM

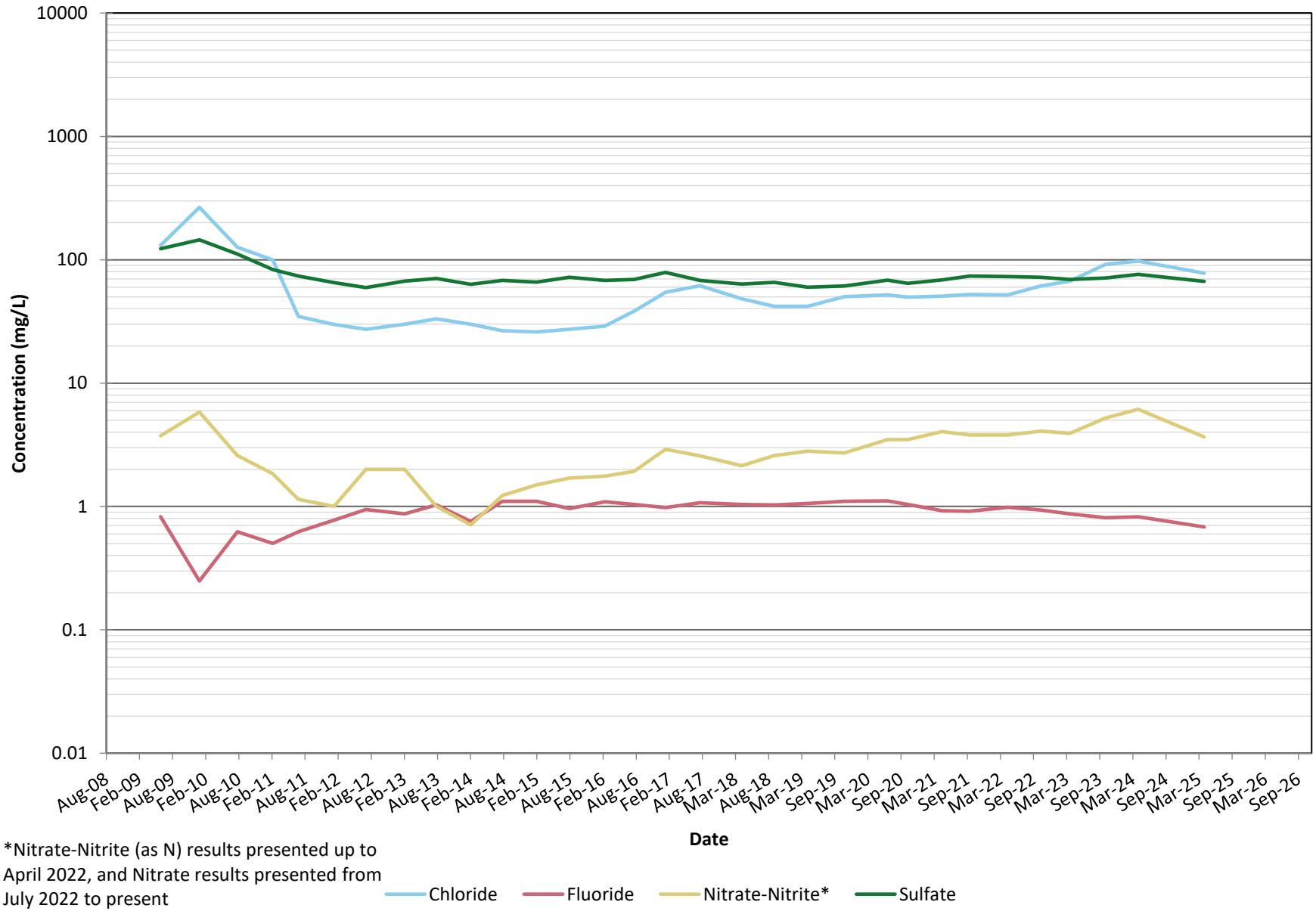
MW-1 TDS CONCENTRATIONS OVER TIME



MW-1 METALS CONCENTRATIONS OVER TIME

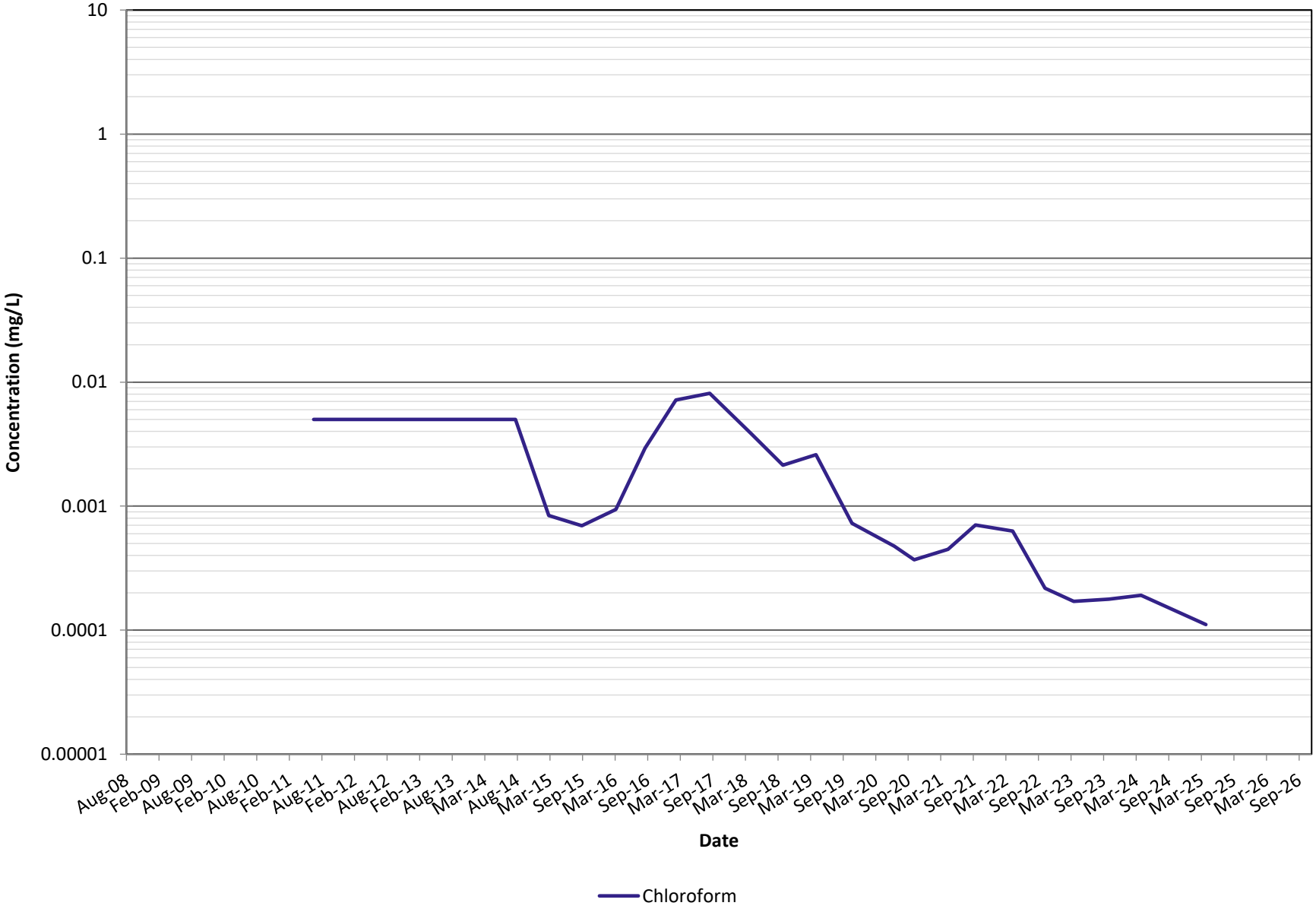


MW-1 ANIONS CONCENTRATIONS OVER TIME

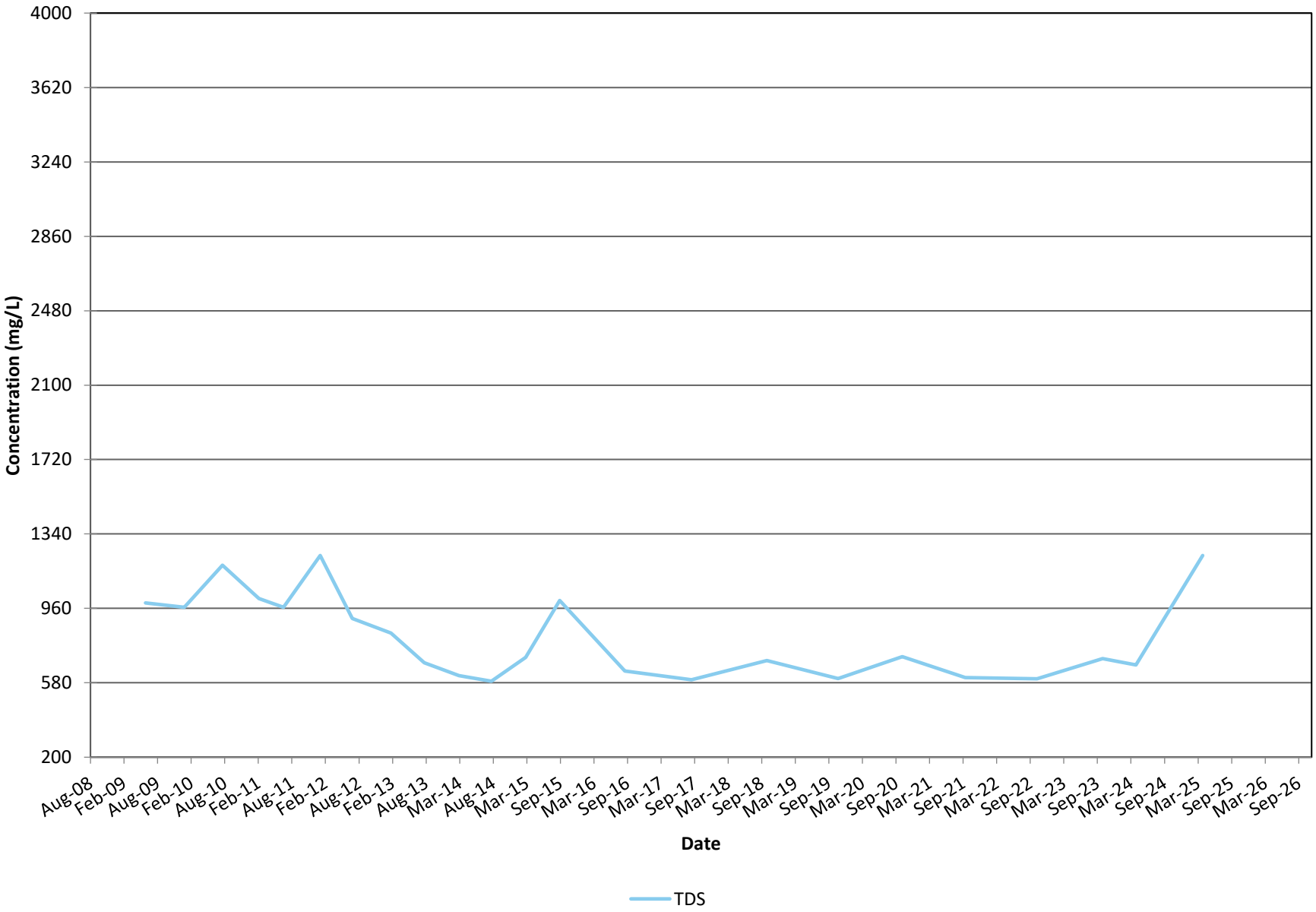


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

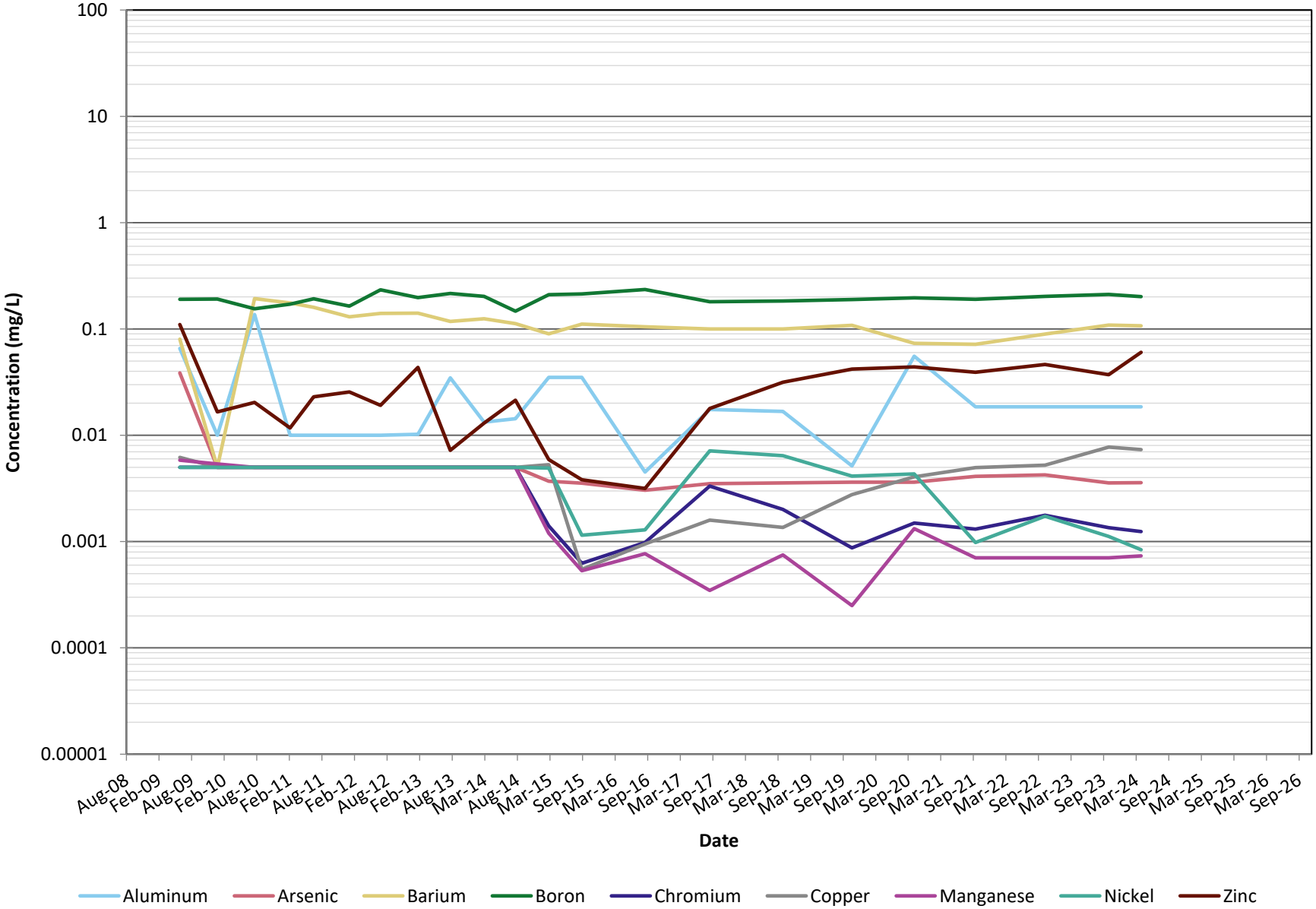
MW-2 VOC CONCENTRATIONS OVER TIME



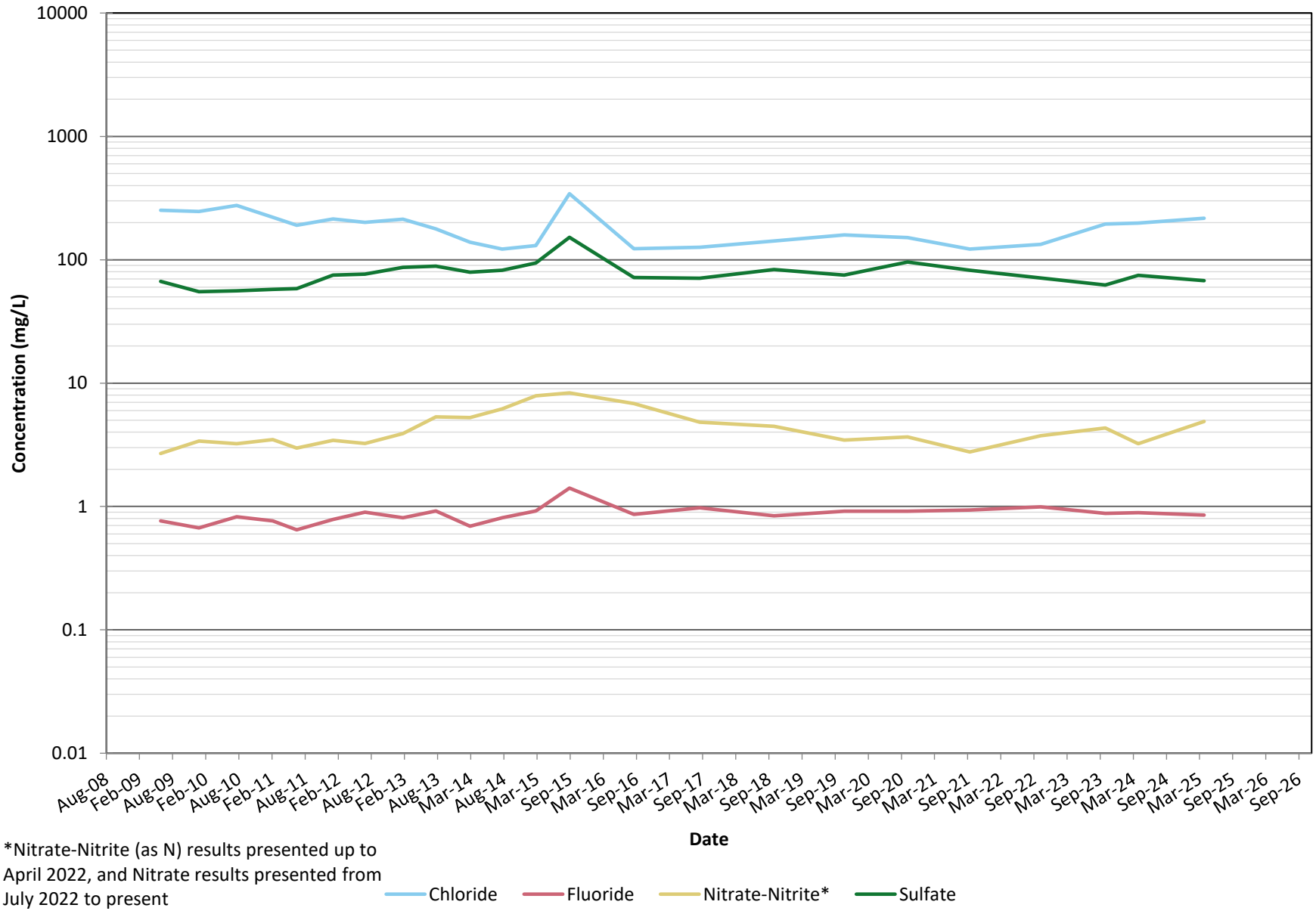
MW-2 TDS CONCENTRATIONS OVER TIME



MW-2 METALS CONCENTRATIONS OVER TIME



MW-2 ANIONS CONCENTRATIONS OVER TIME



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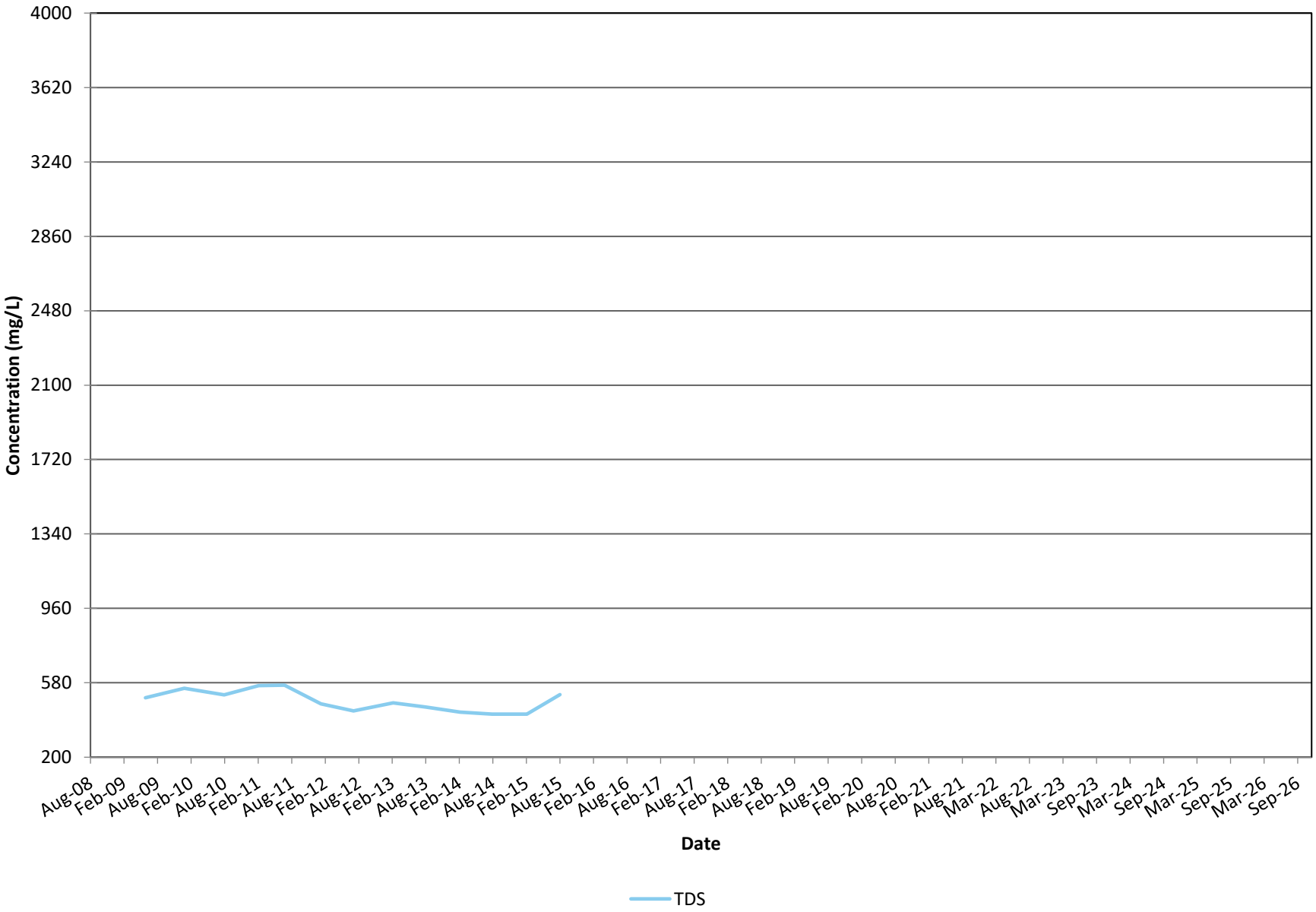
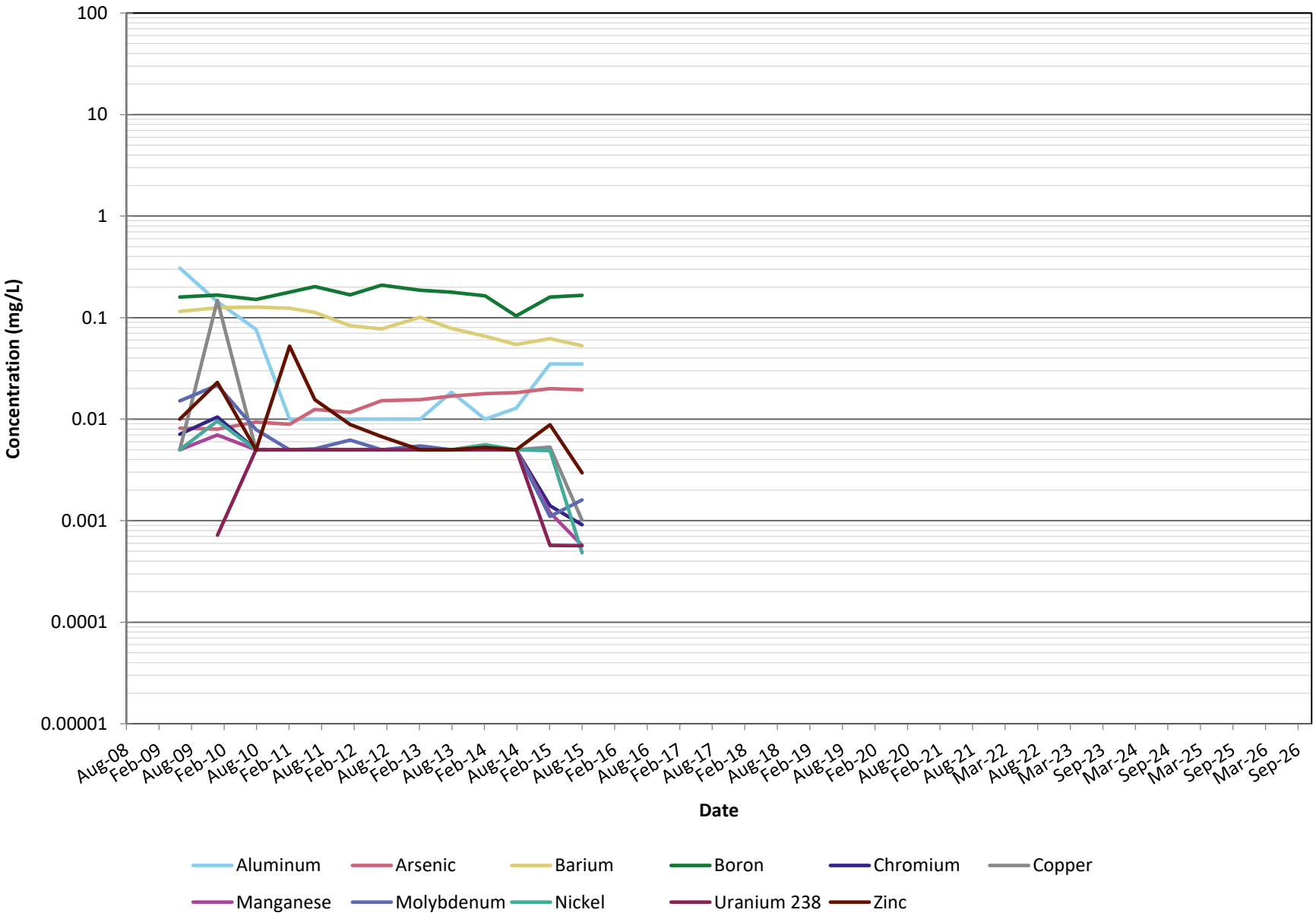
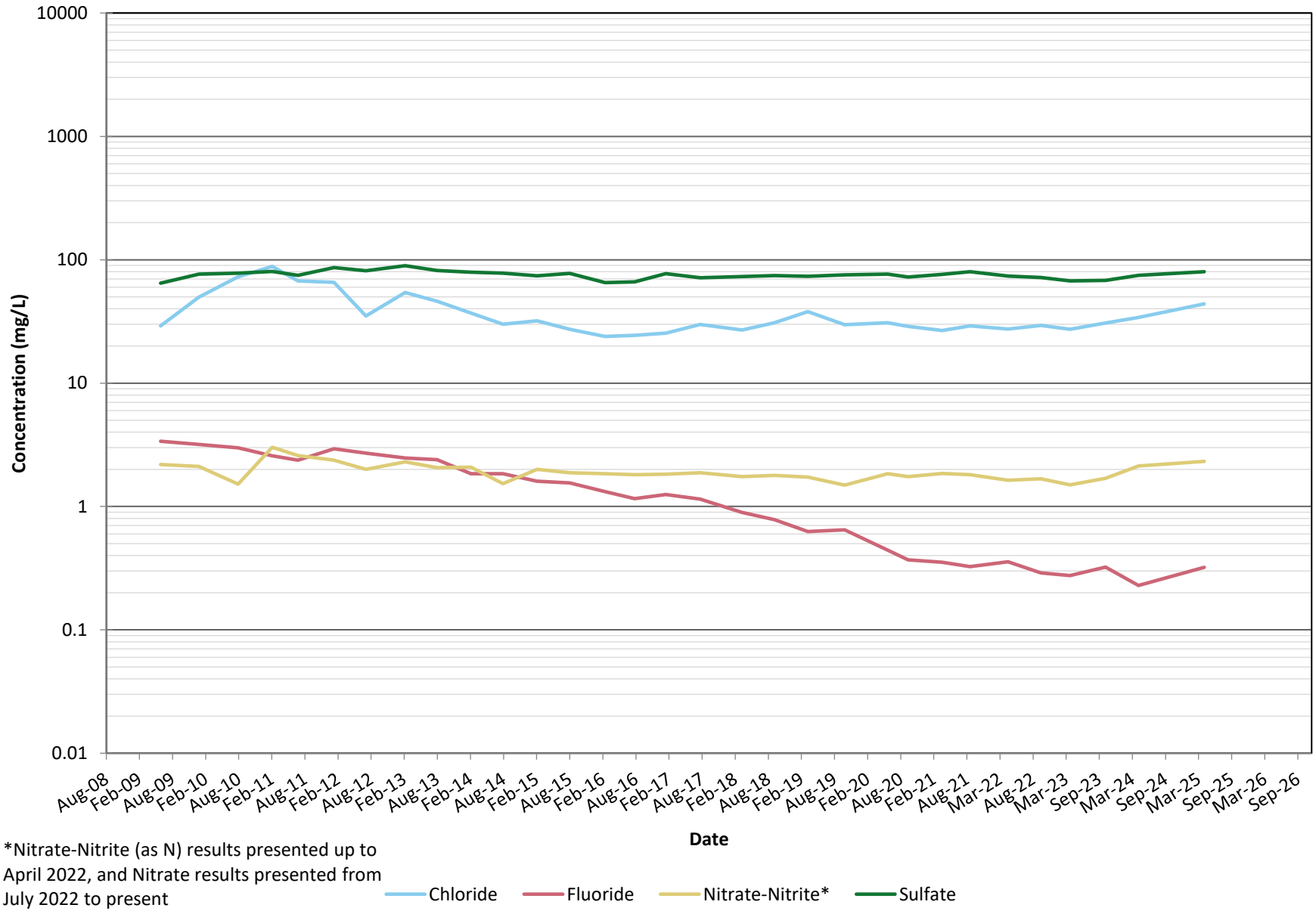
MW-3 TDS CONCENTRATIONS OVER TIME



MW-3 METALS CONCENTRATIONS OVER TIME



MW-3 ANIONS CONCENTRATIONS OVER TIME



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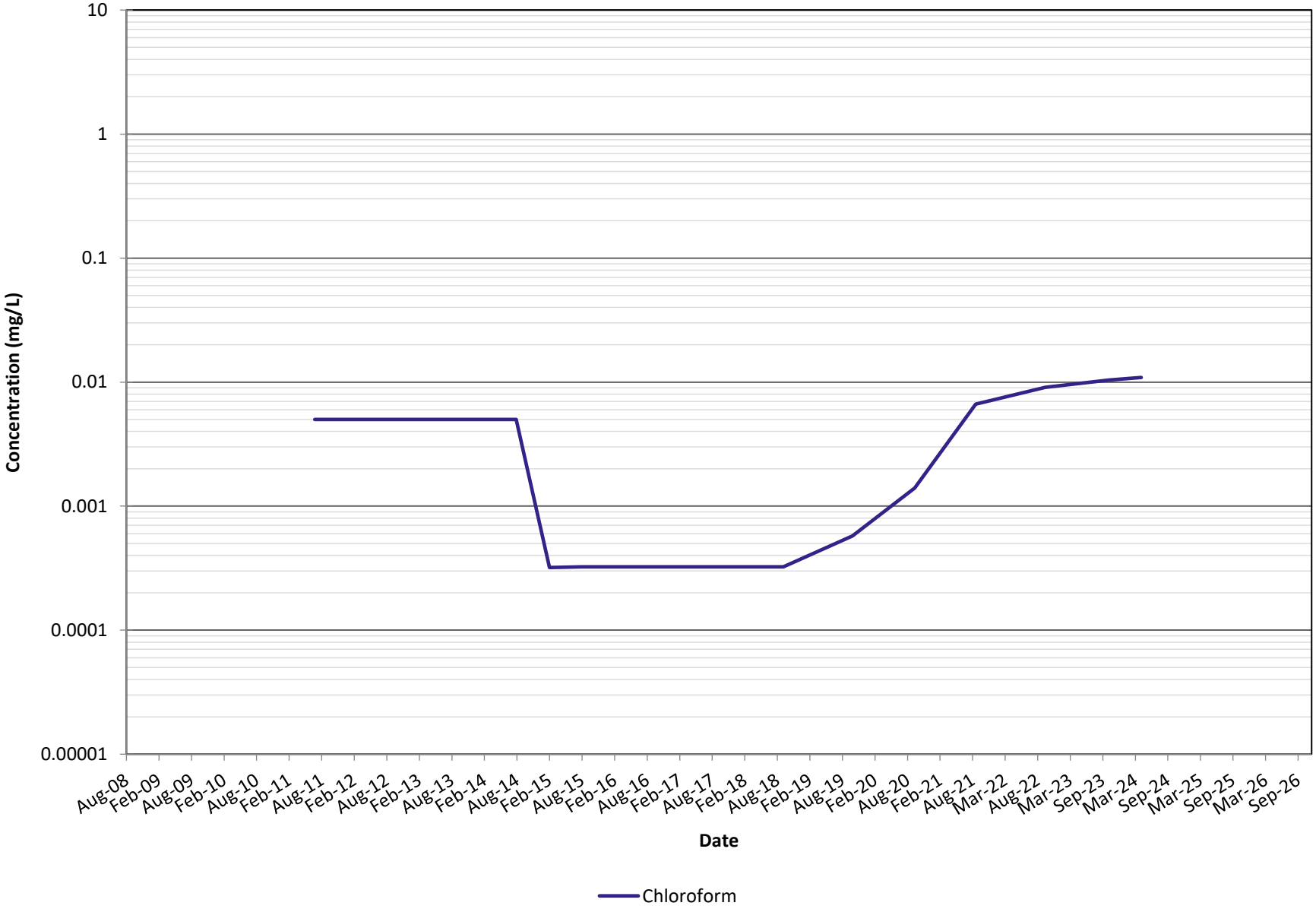
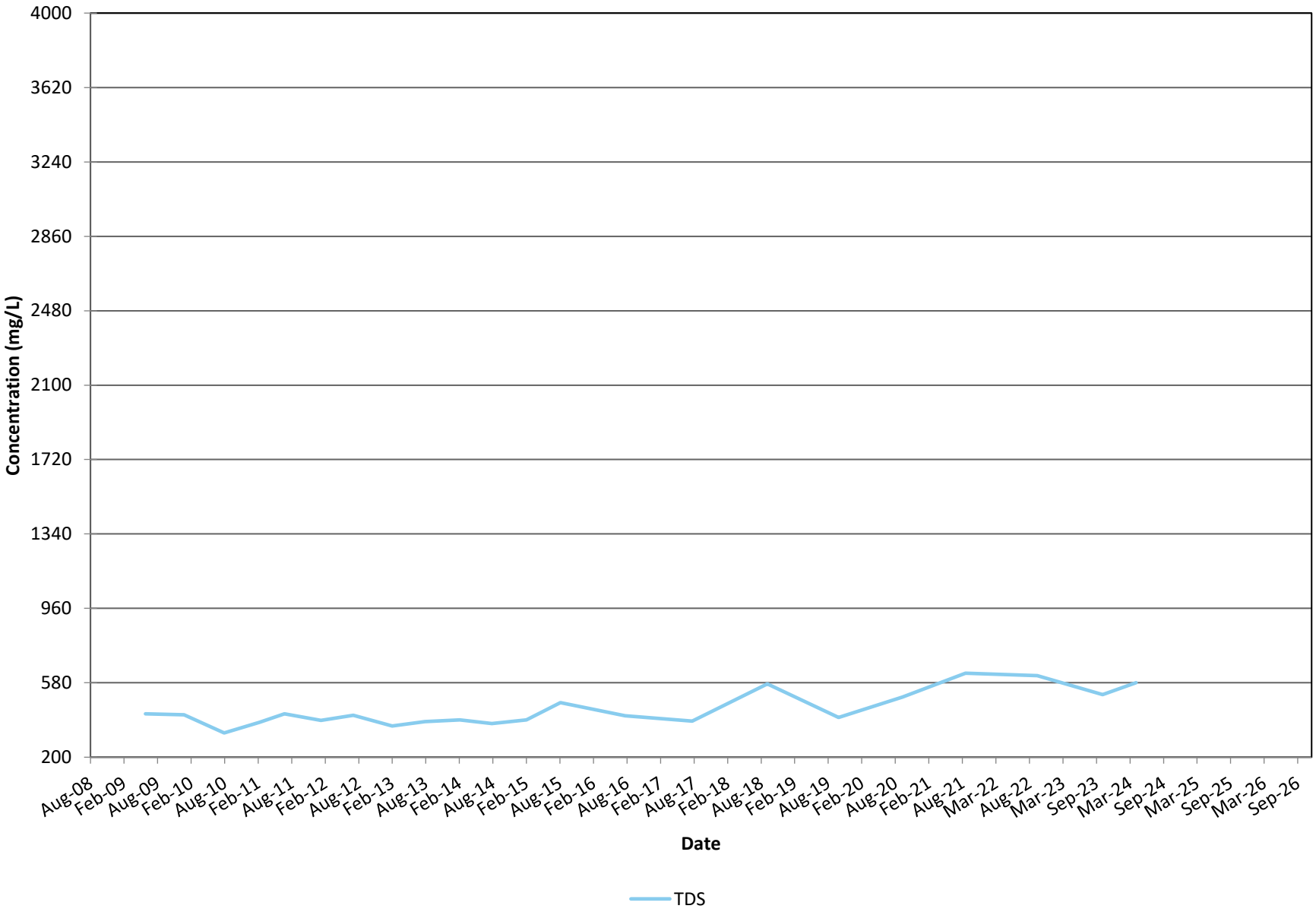
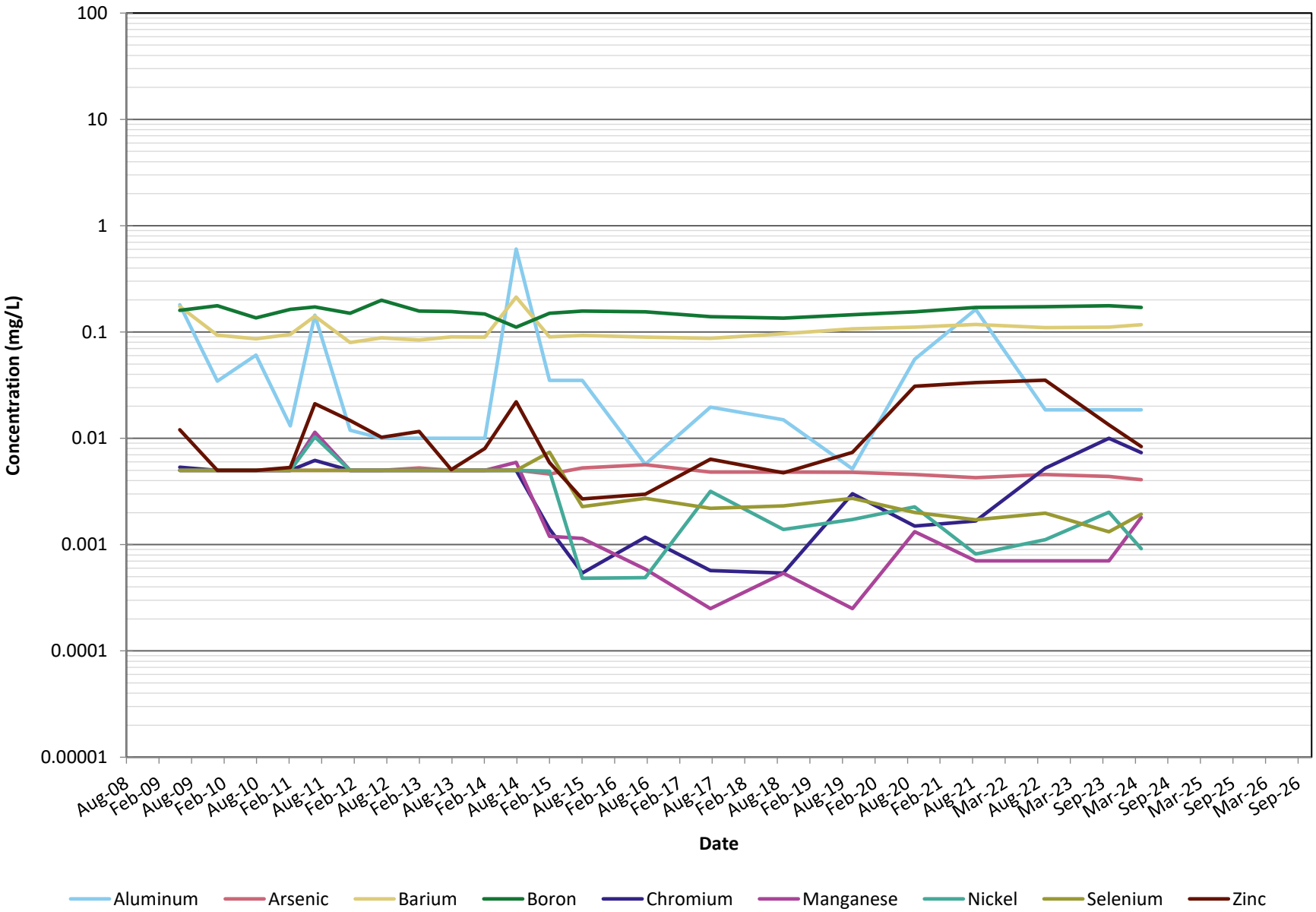
MW-4 VOC CONCENTRATIONS OVER TIME



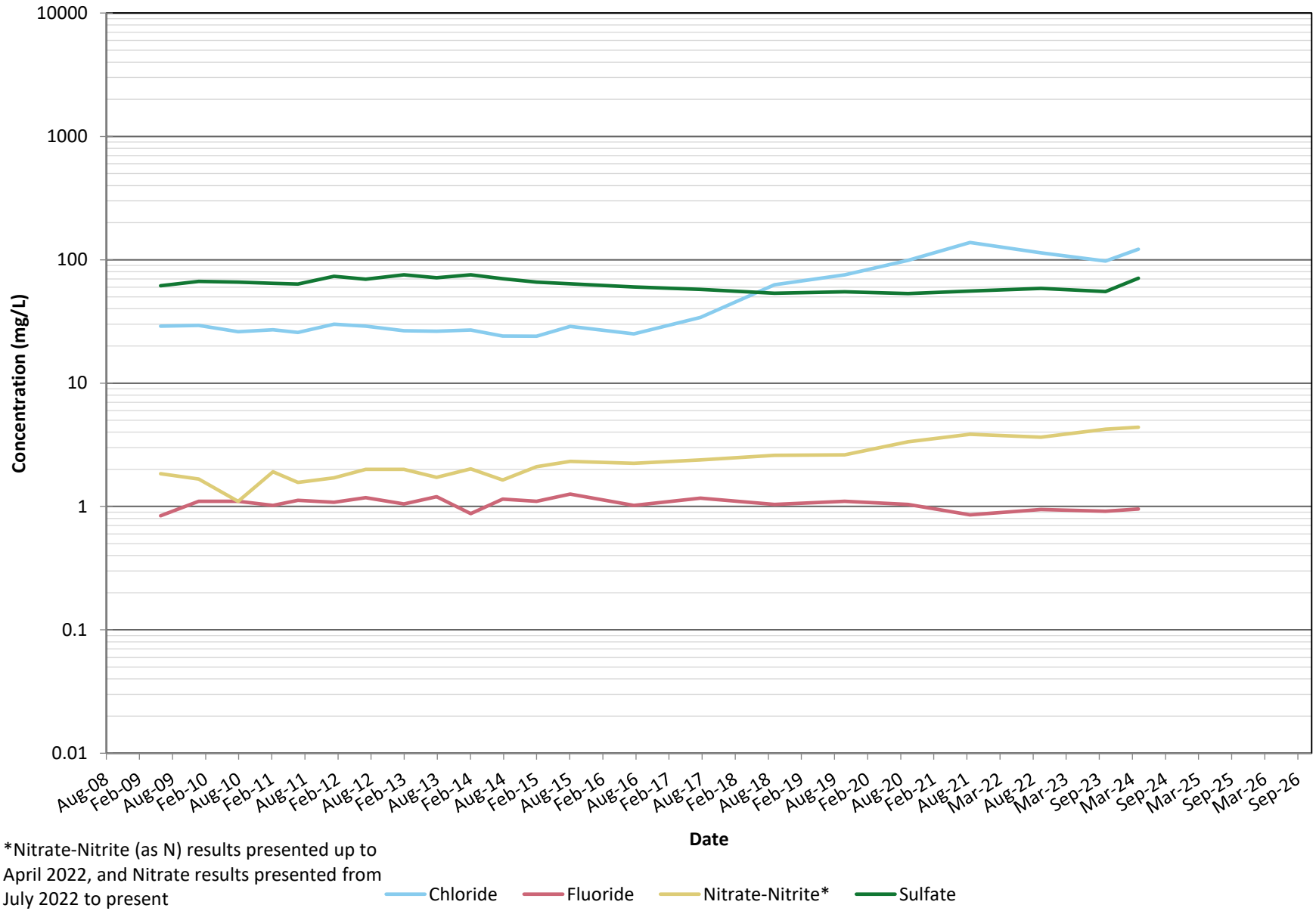
MW-4 TDS CONCENTRATIONS OVER TIME



MW-4 METALS CONCENTRATIONS OVER TIME



MW-4 ANIONS CONCENTRATIONS OVER TIME



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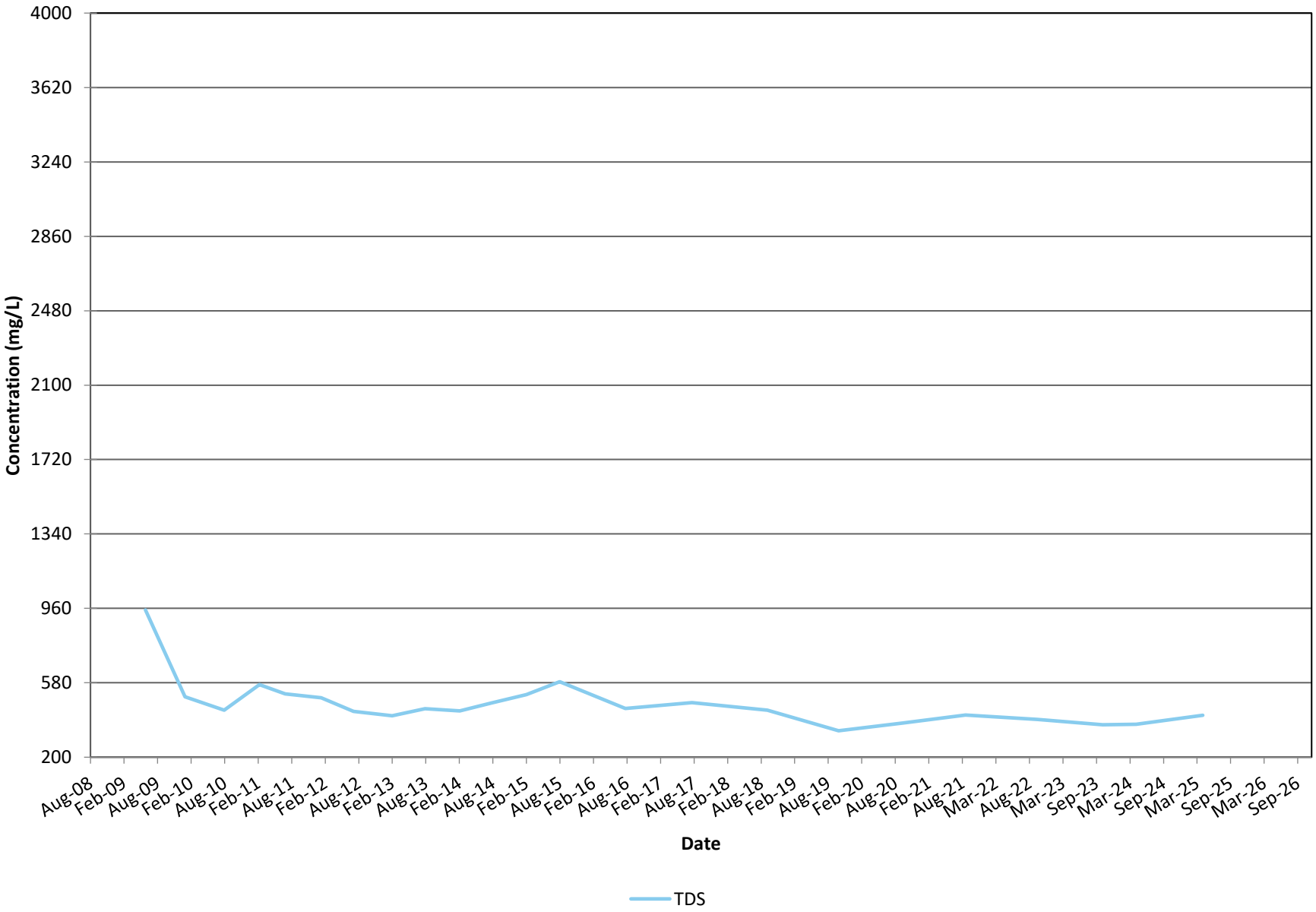
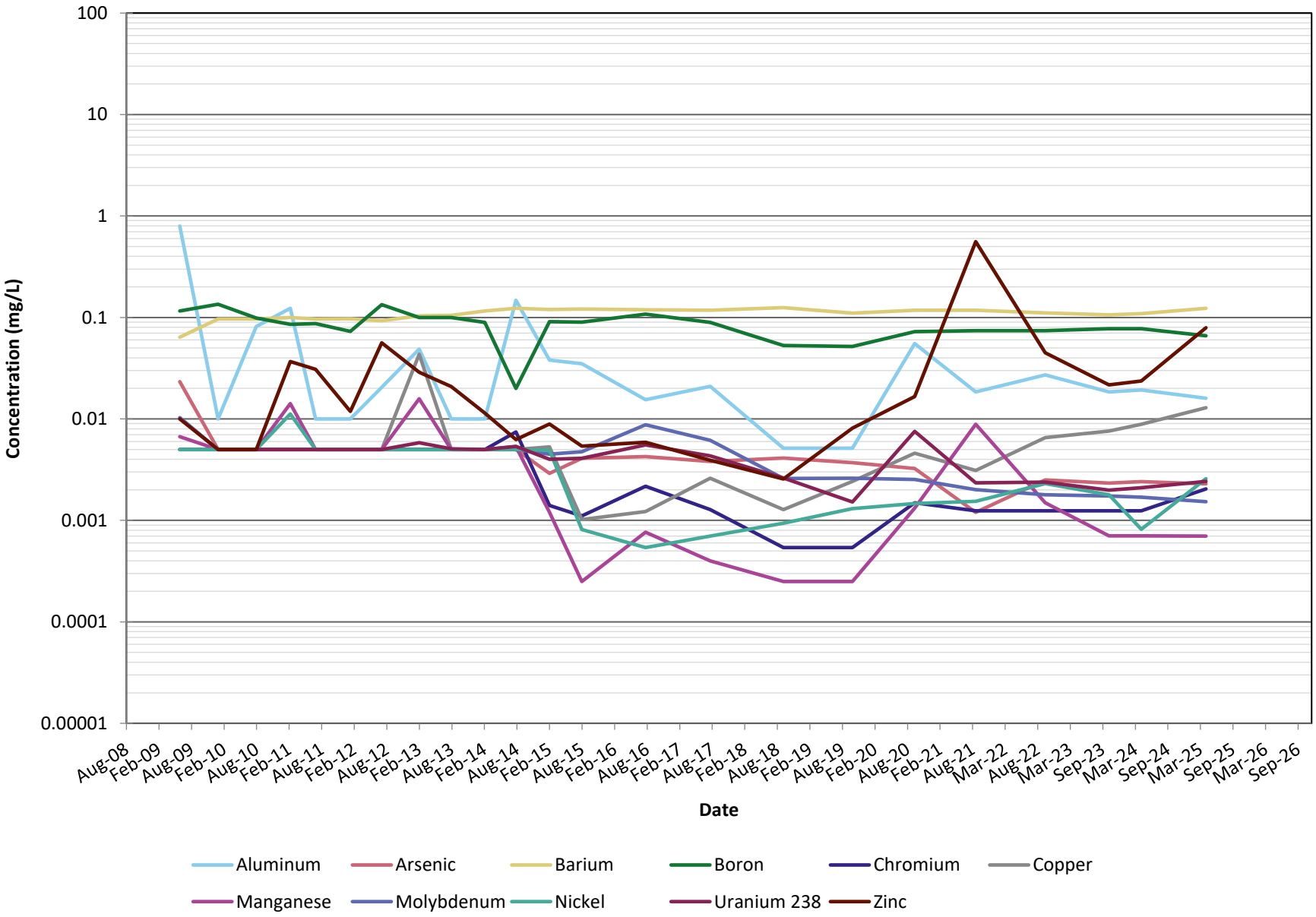
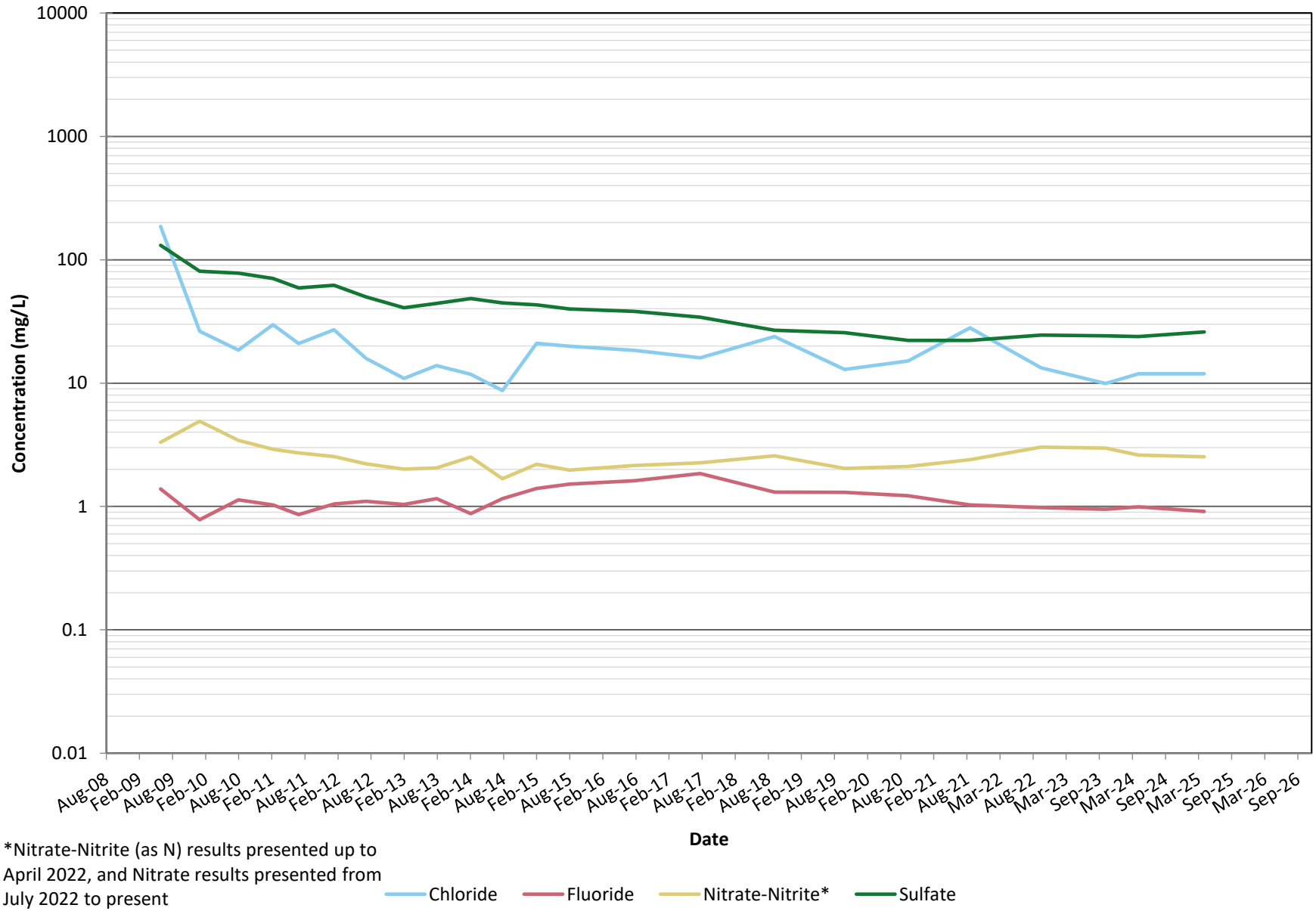
MW-5 TDS CONCENTRATIONS OVER TIME



MW-5 METALS CONCENTRATIONS OVER TIME



MW-5 ANIONS CONCENTRATIONS OVER TIME



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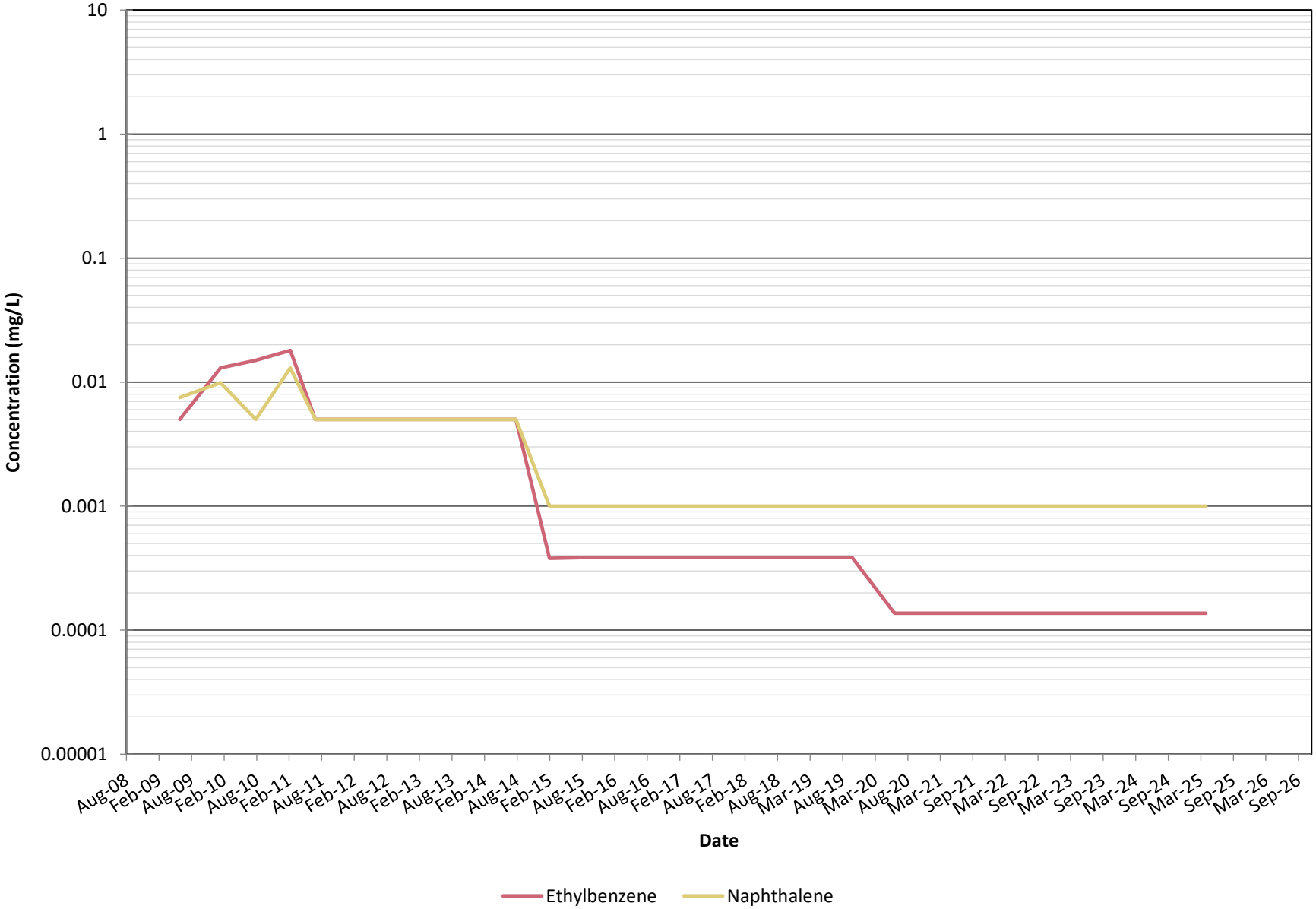
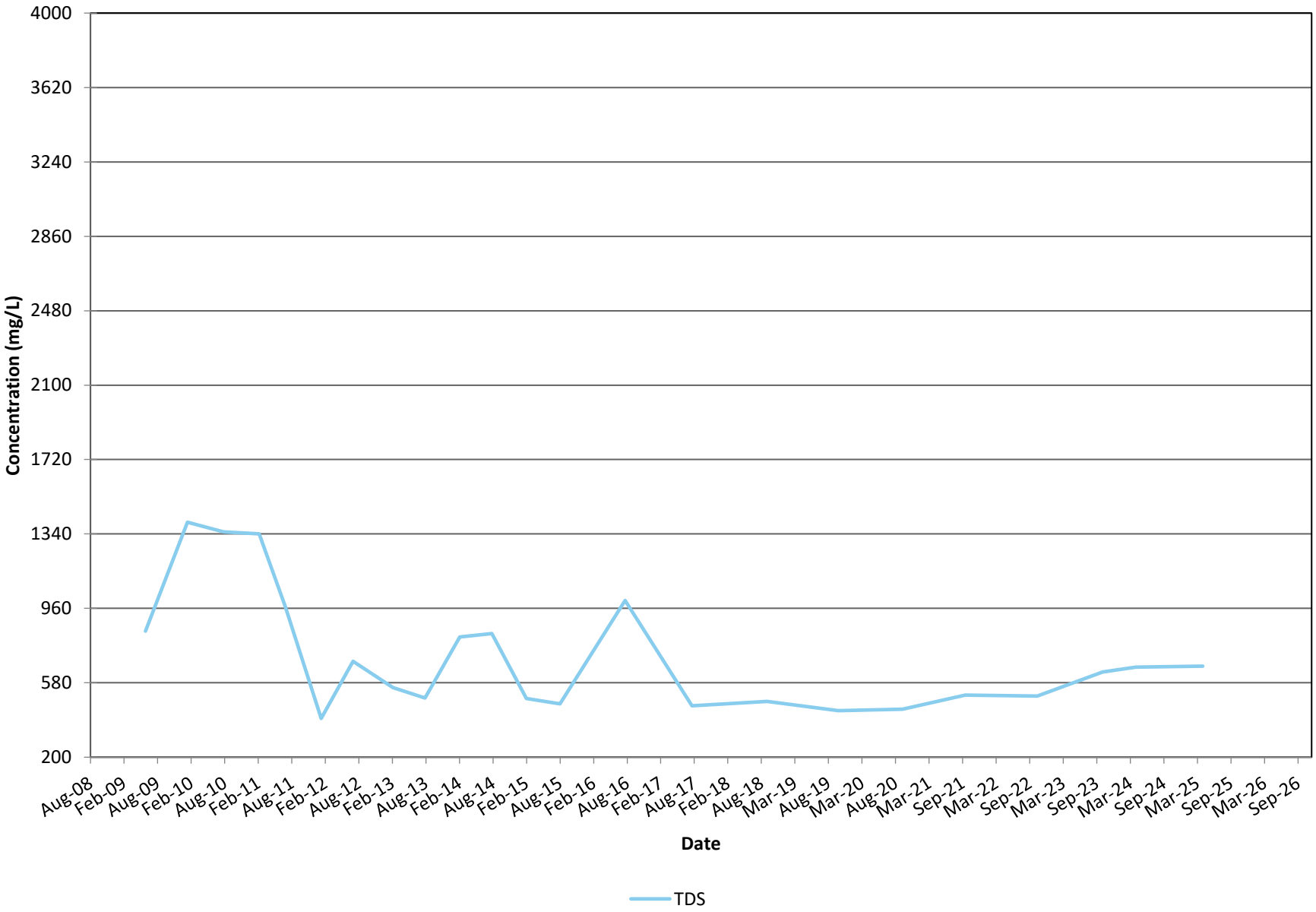
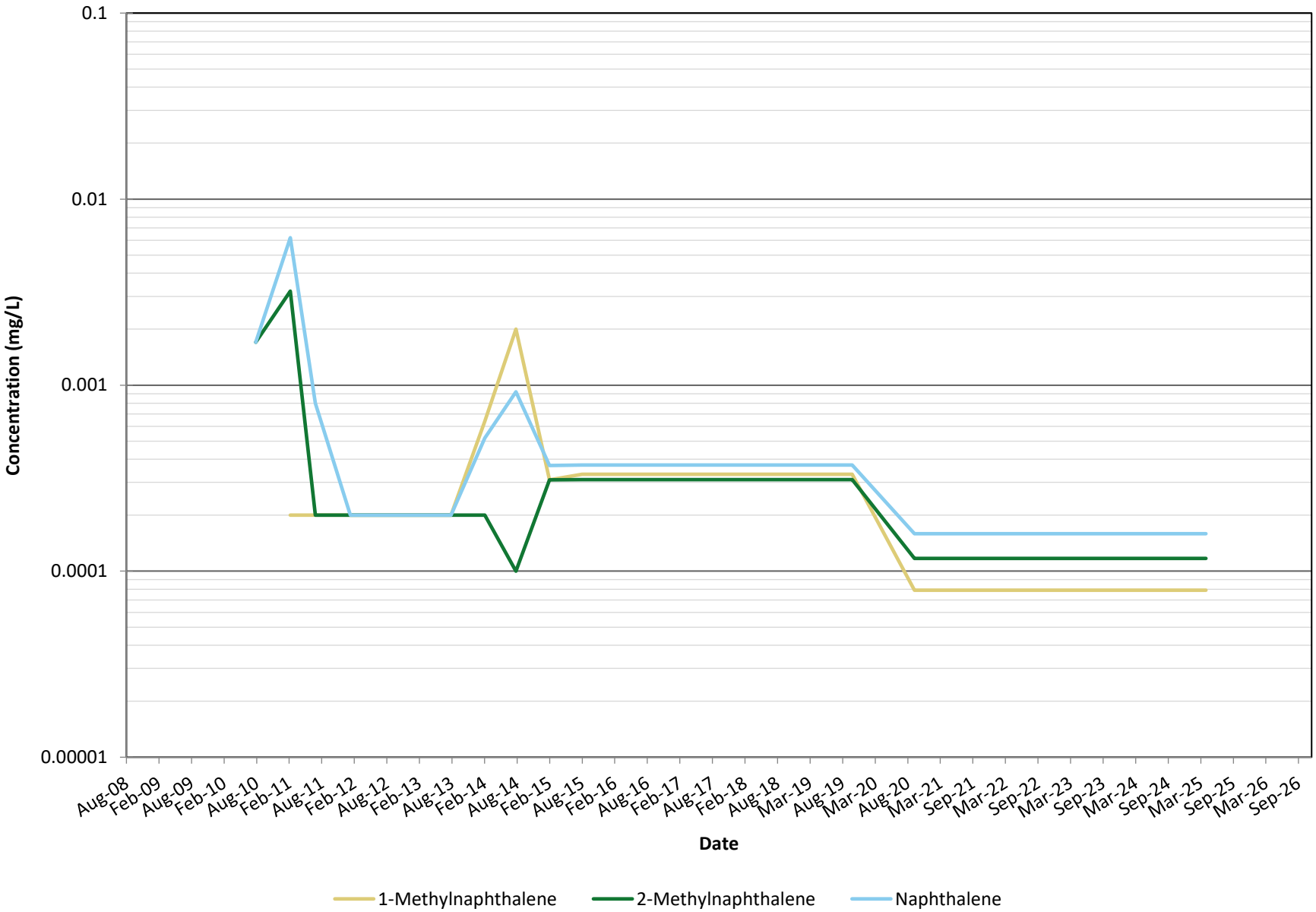
MW-6 VOC CONCENTRATIONS OVER TIME



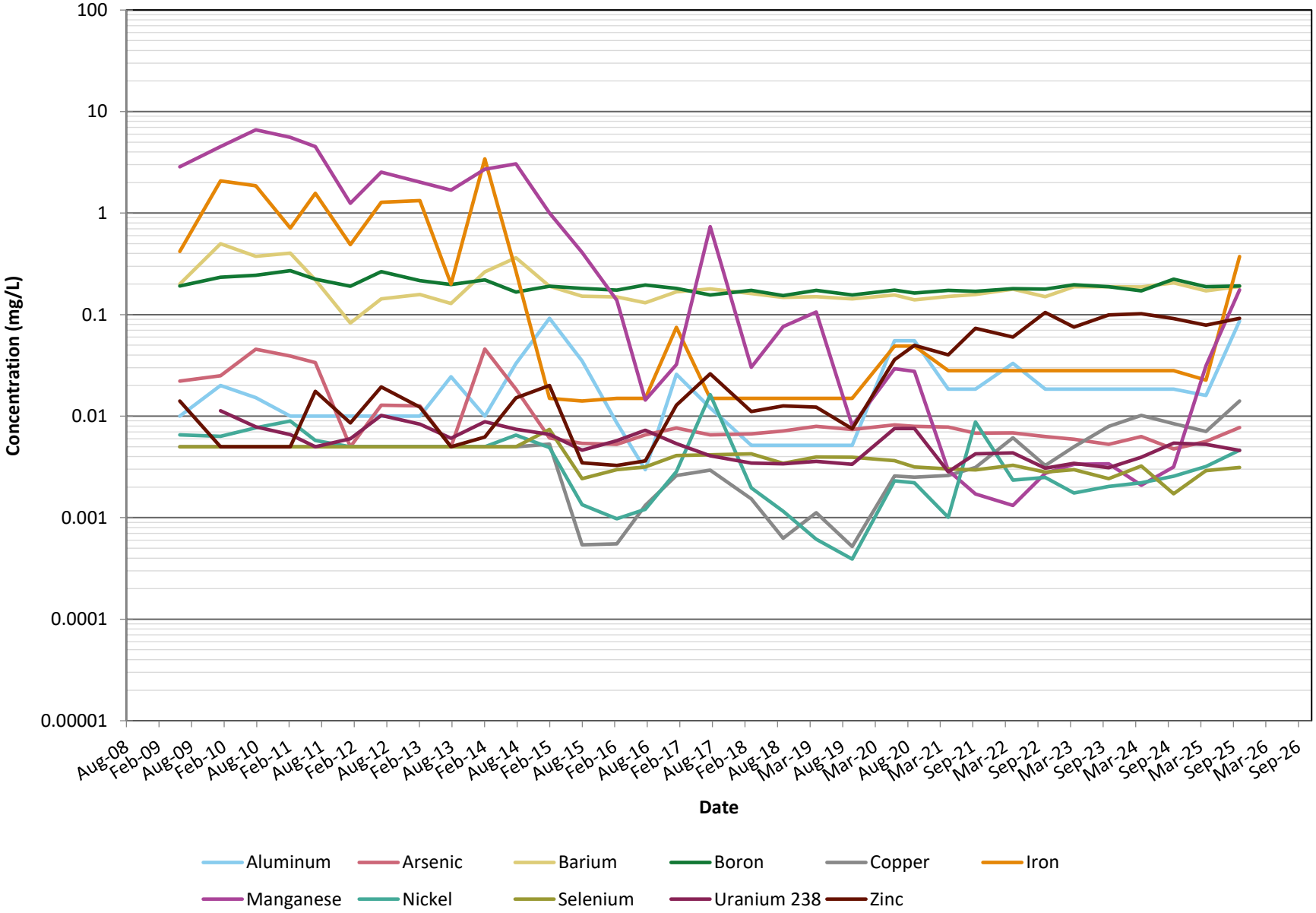
MW-6 TDS CONCENTRATIONS OVER TIME



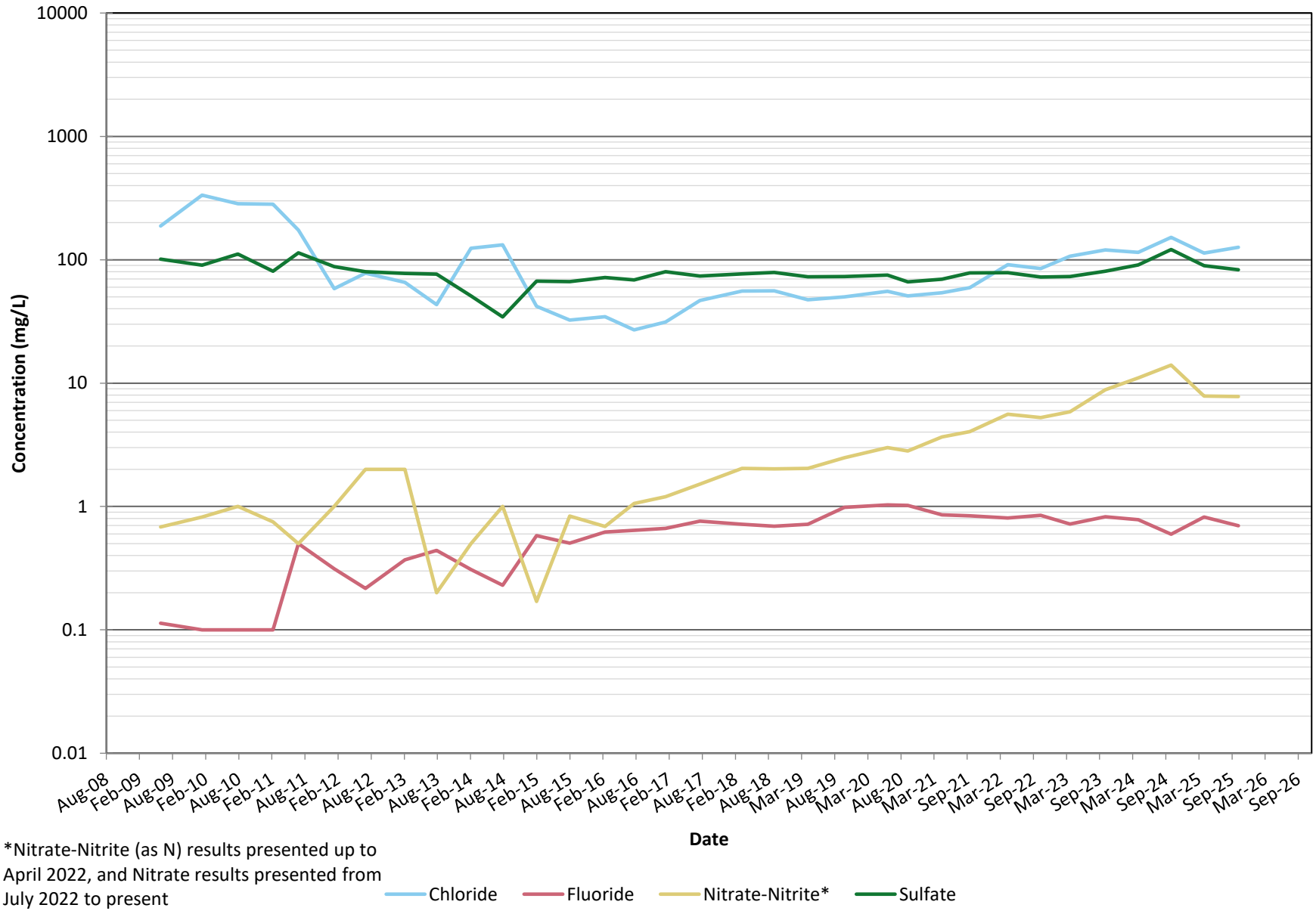
MW-6 SVOC CONCENTRATIONS OVER TIME



MW-6 METALS CONCENTRATIONS OVER TIME



MW-6 ANIONS CONCENTRATIONS OVER TIME



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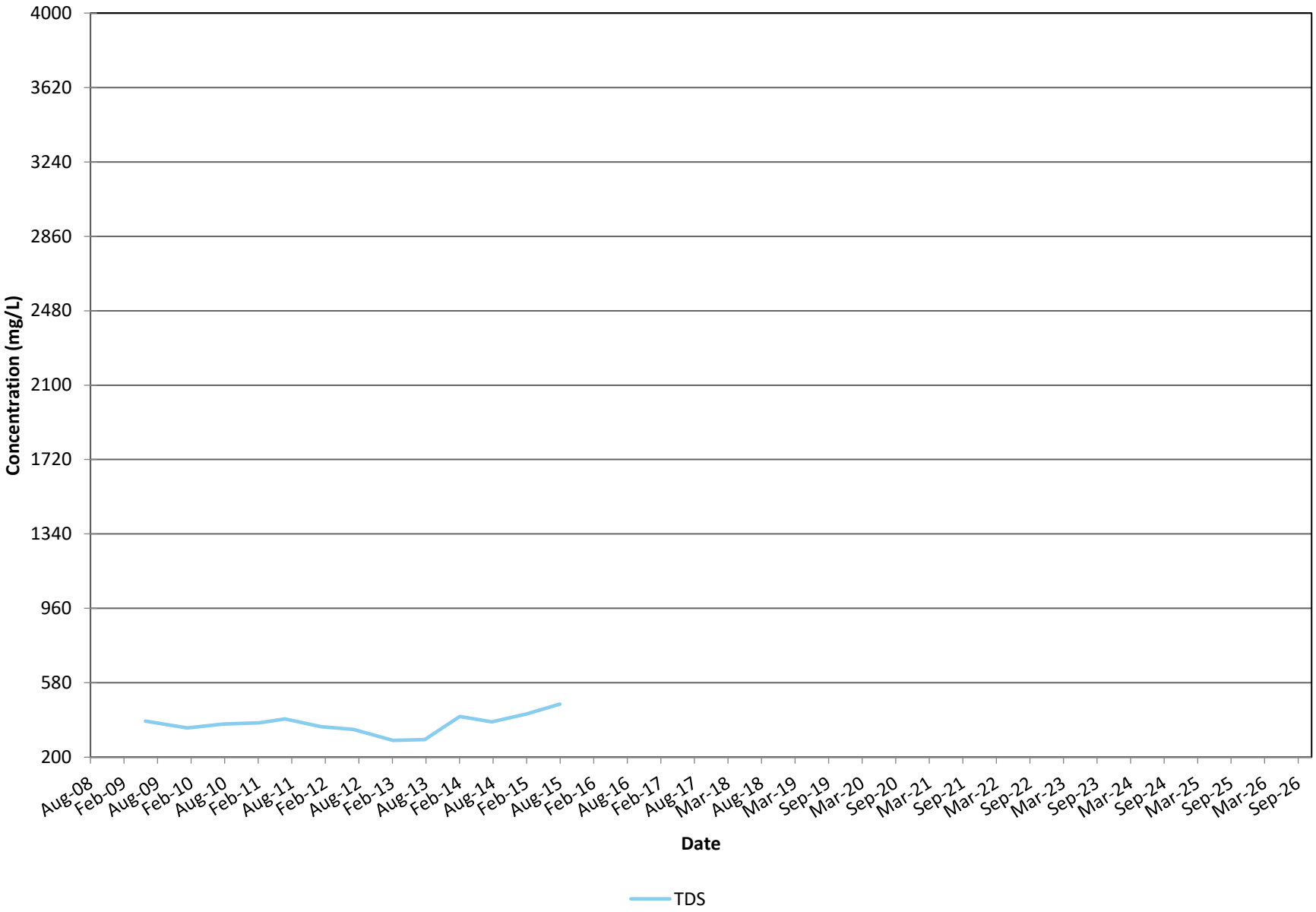
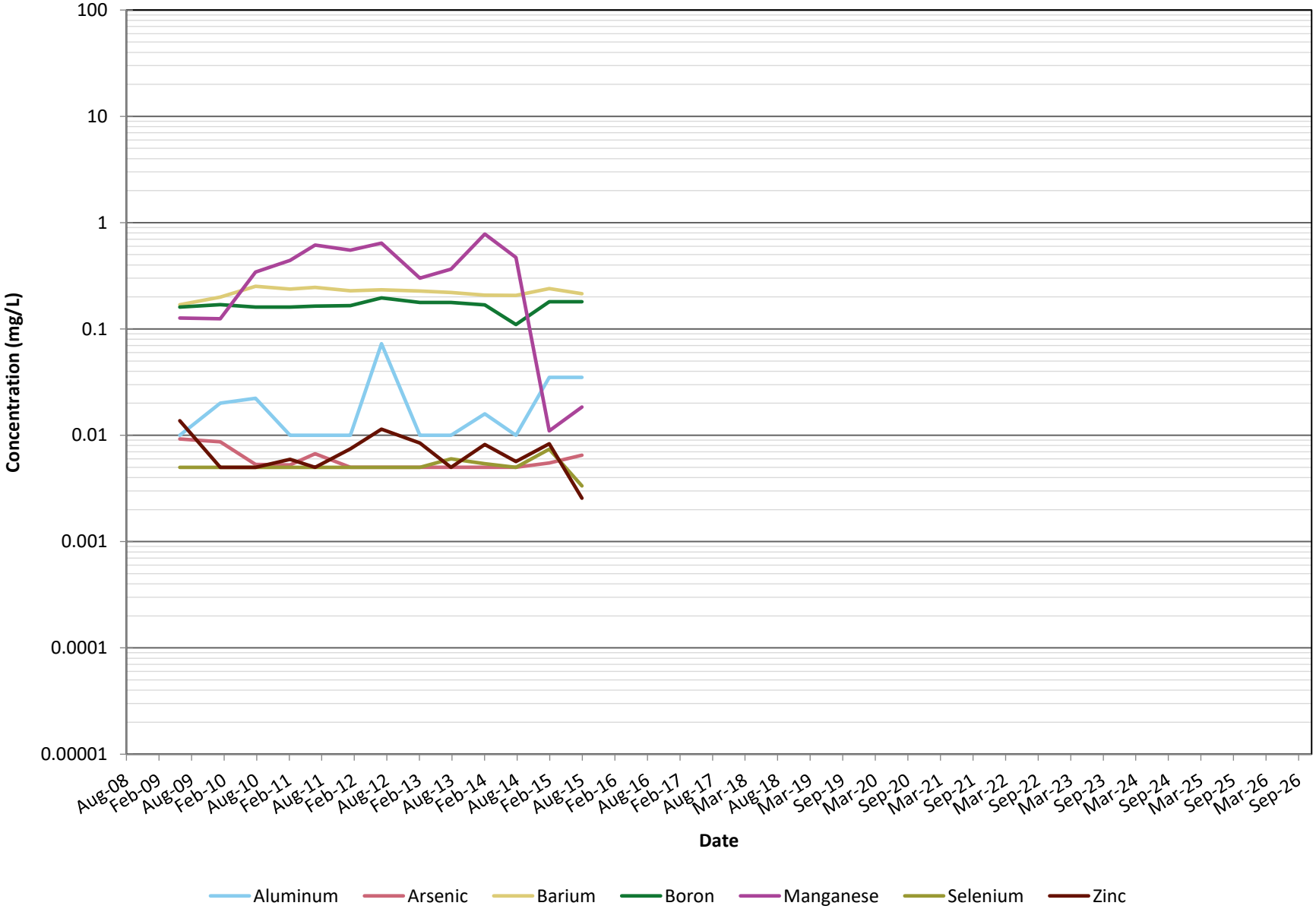
MW-7 TDS CONCENTRATIONS OVER TIME



MW-7 METALS CONCENTRATIONS OVER TIME



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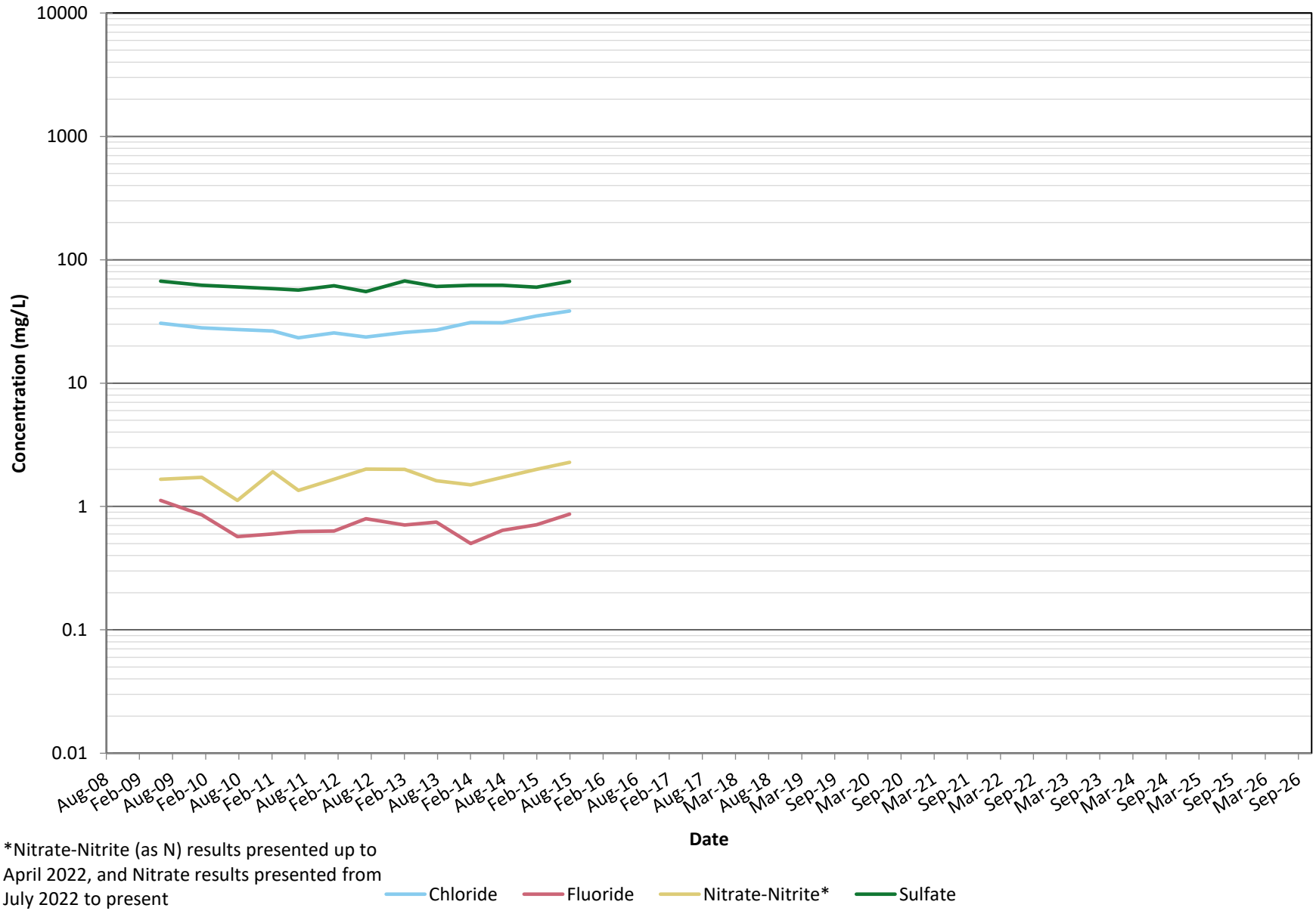

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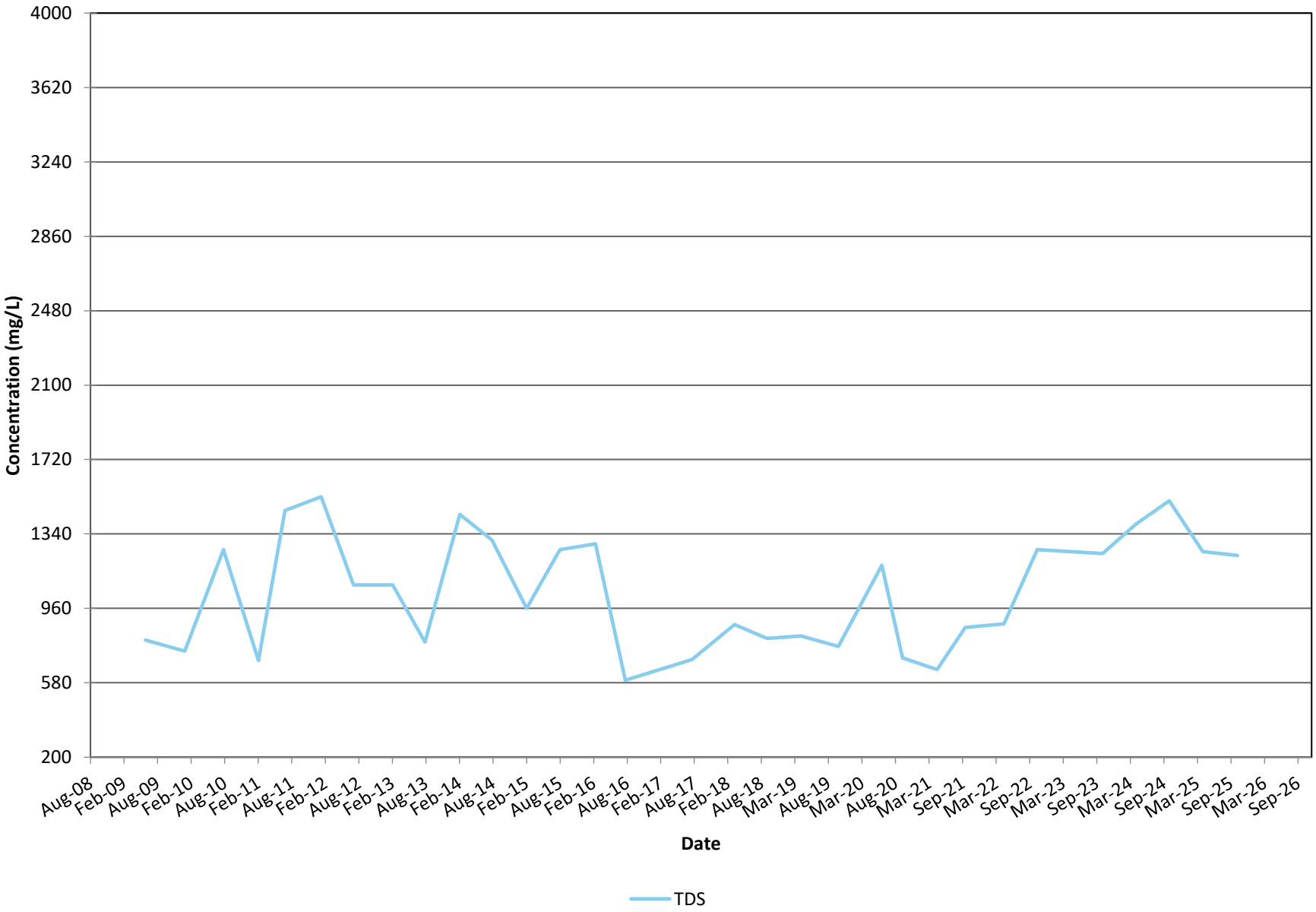
MW-8 TDS CONCENTRATIONS OVER TIME



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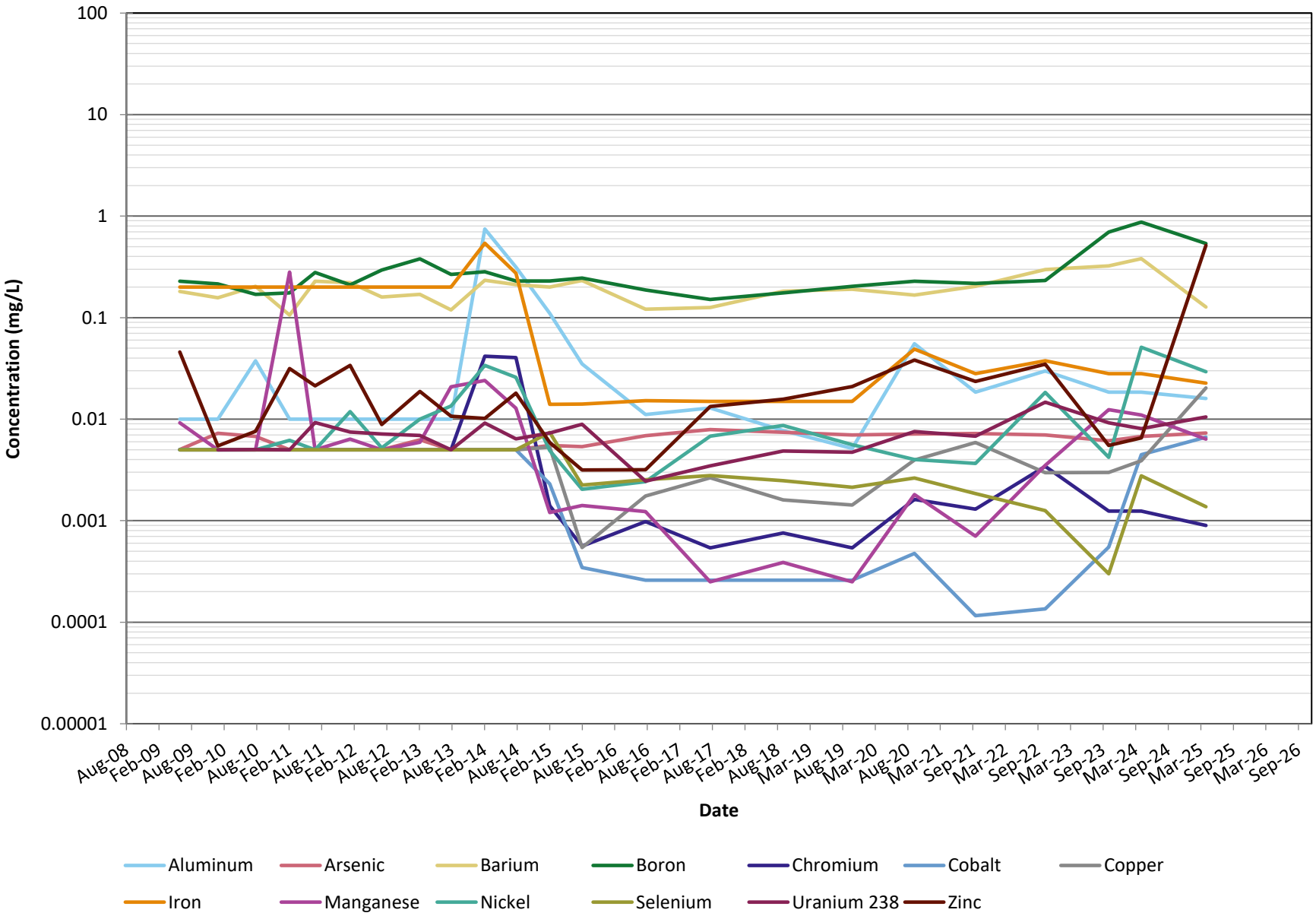
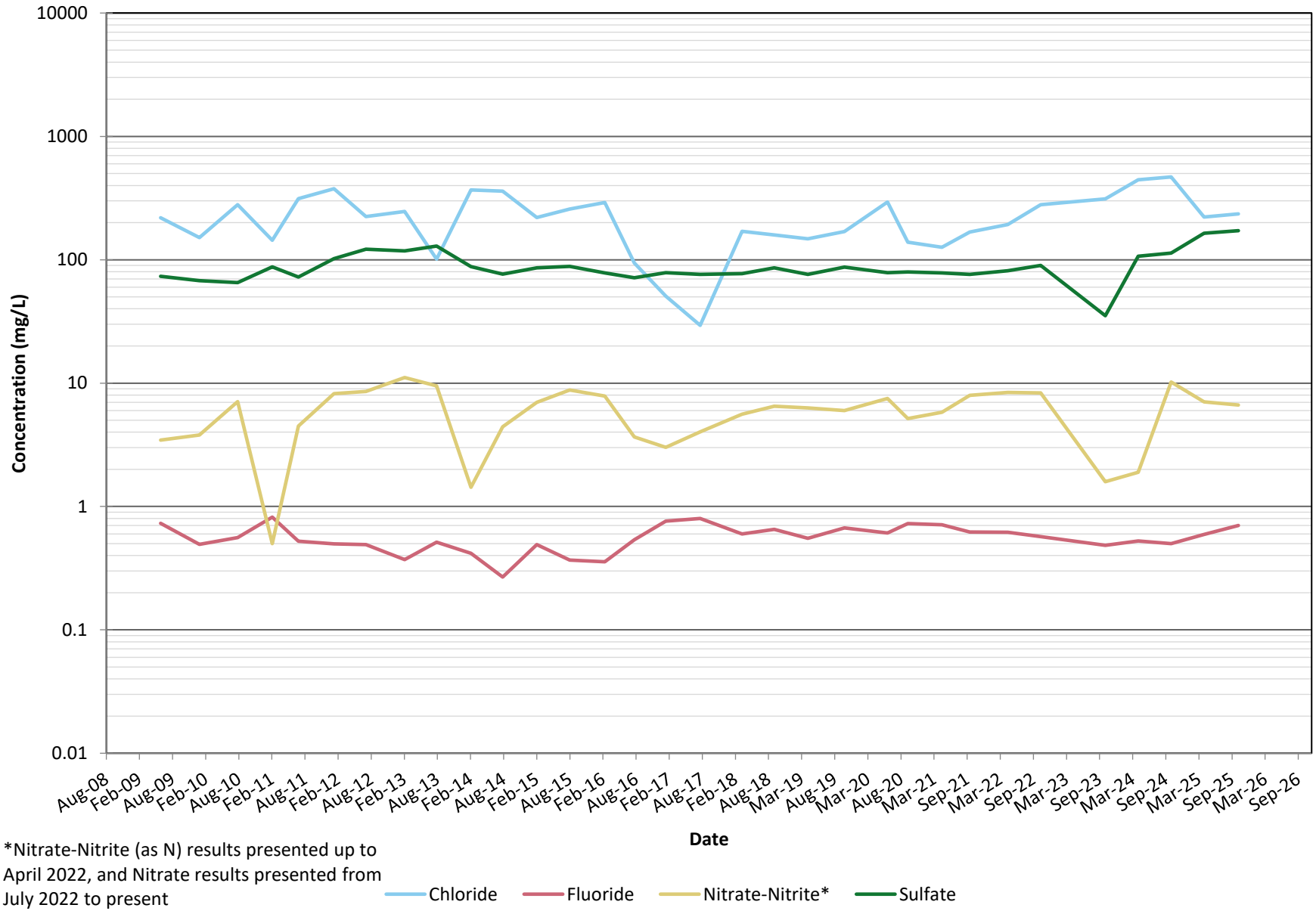


MW-8 ANIONS CONCENTRATIONS OVER TIME



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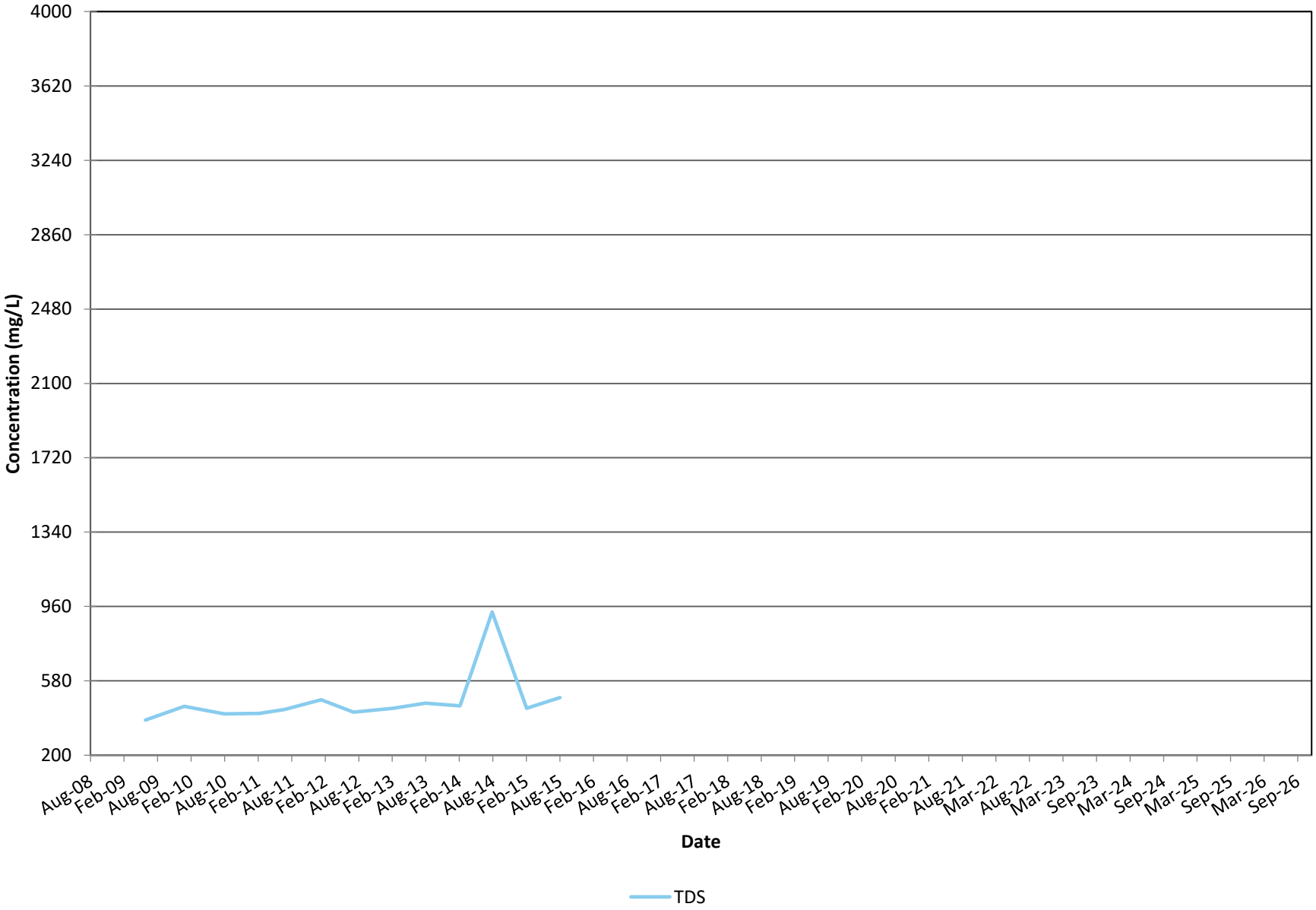
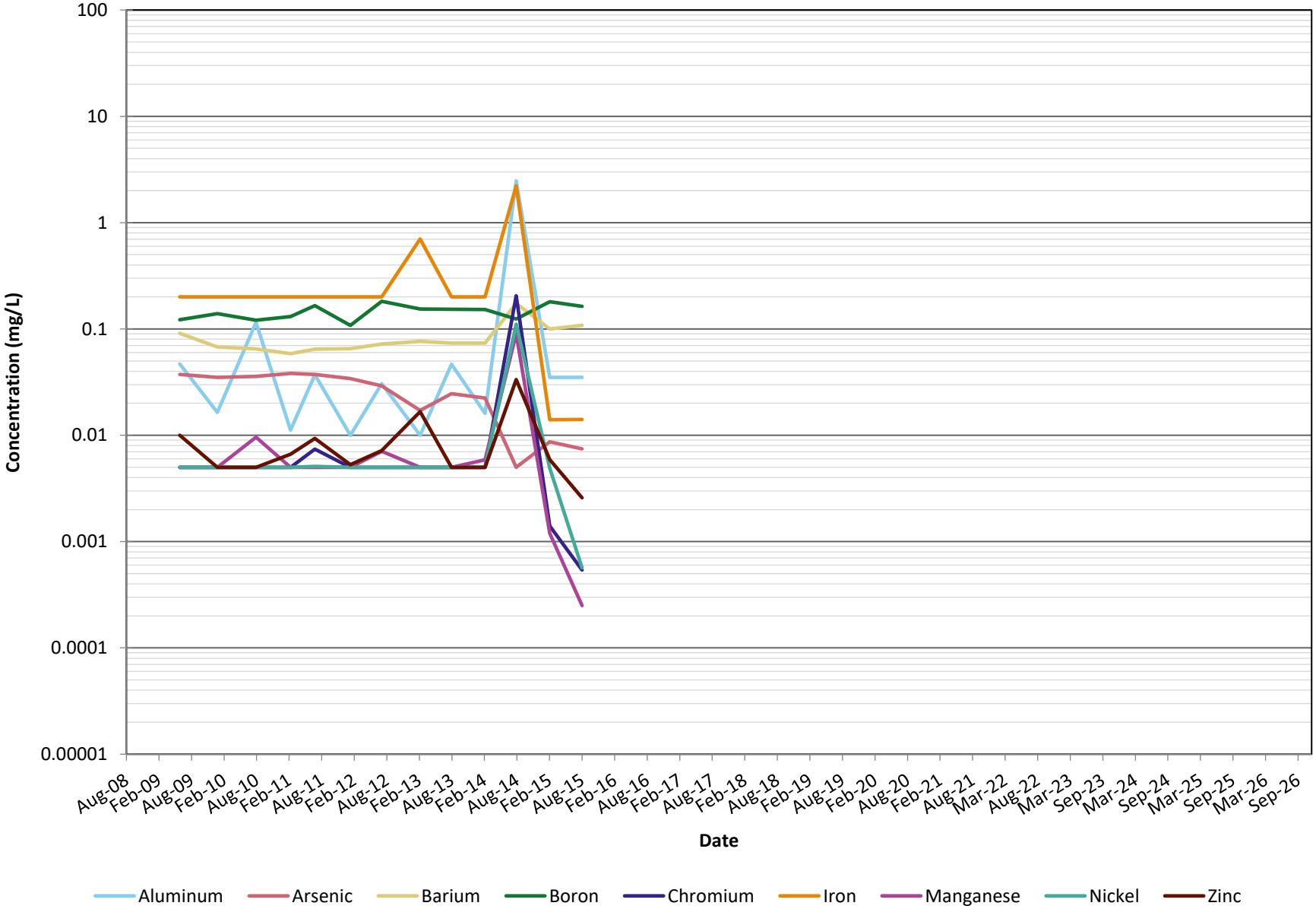
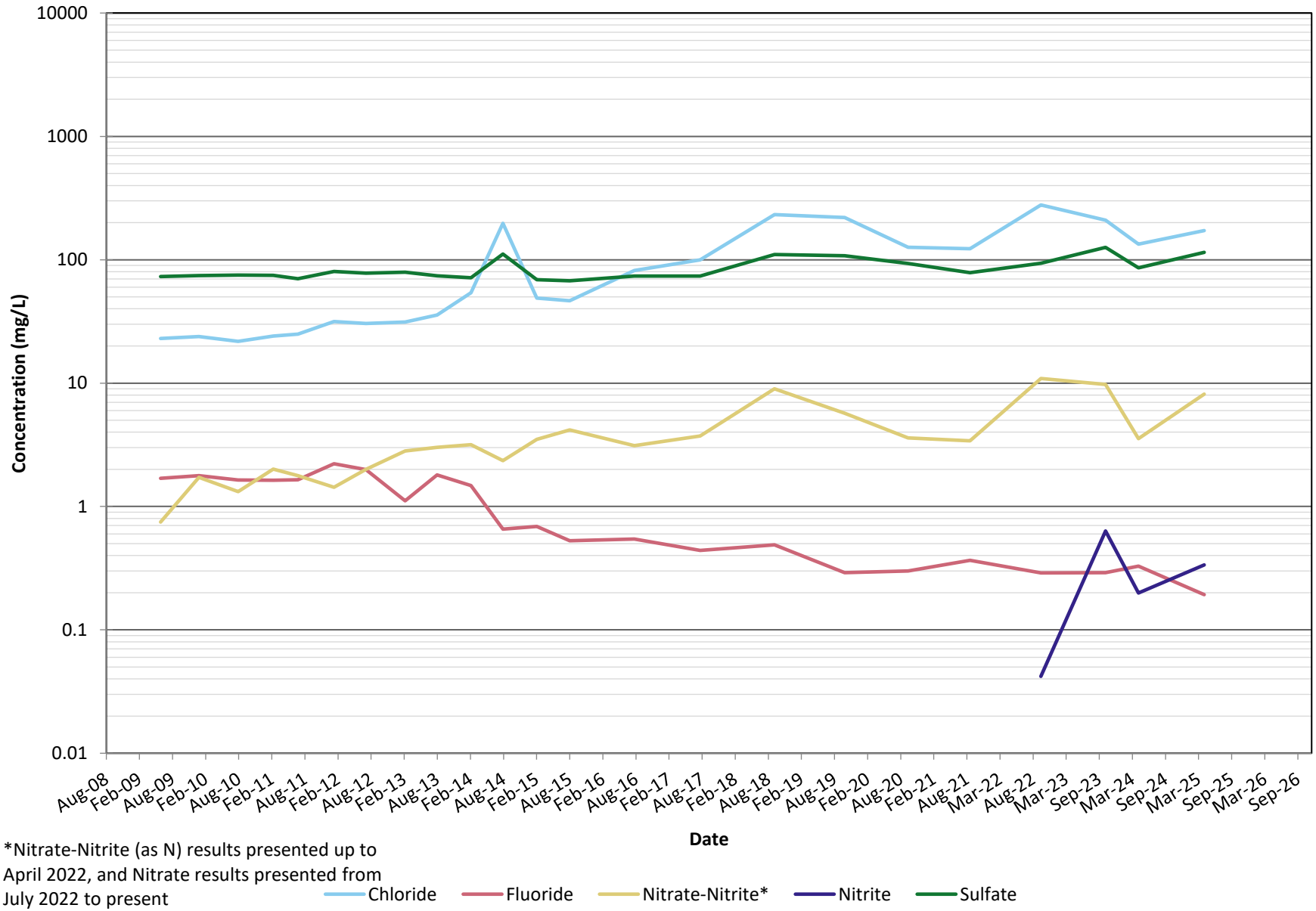
MW-9 TDS CONCENTRATIONS OVER TIME



MW-9 METALS CONCENTRATIONS OVER TIME



MW-9 ANIONS CONCENTRATIONS OVER TIME



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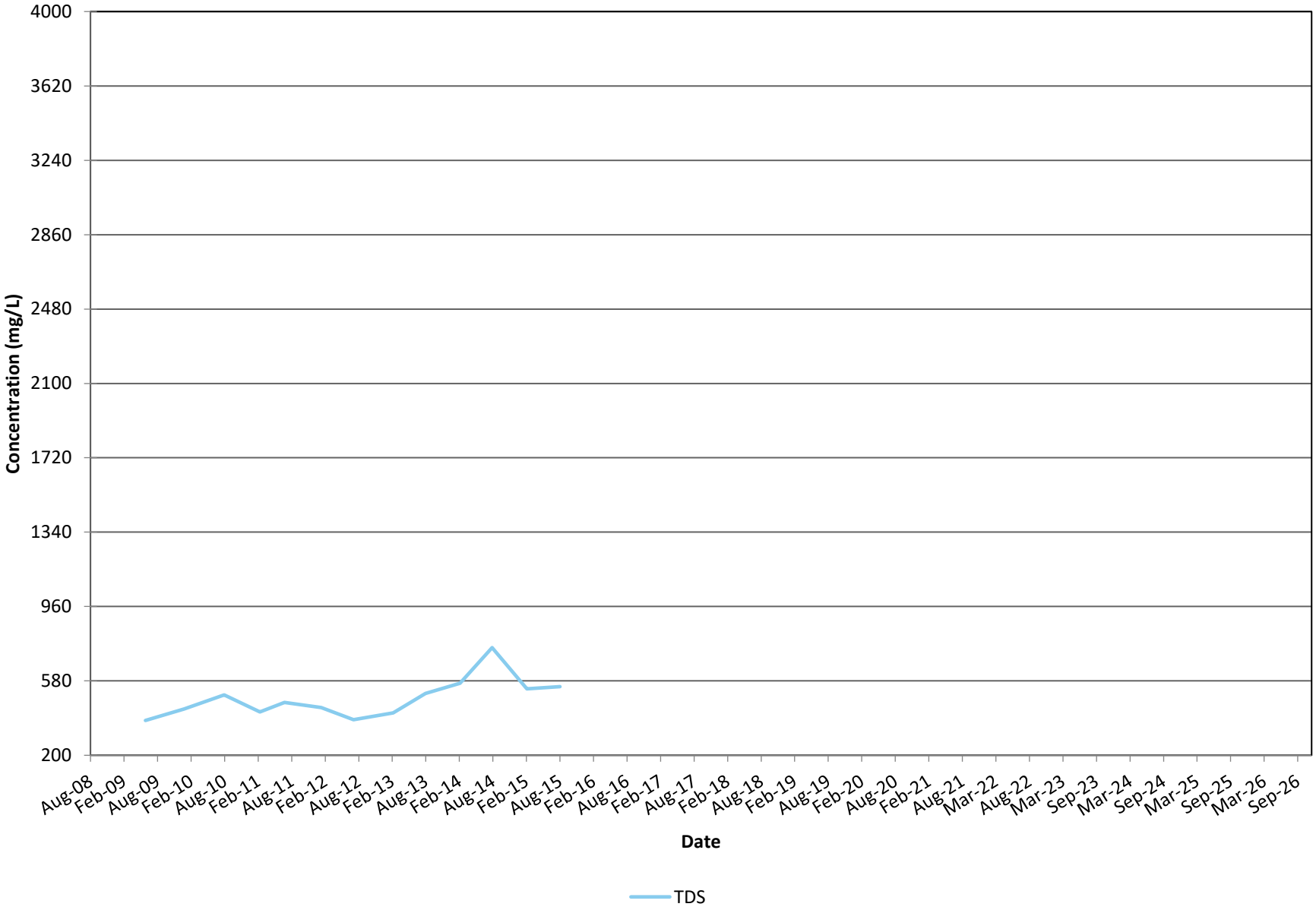
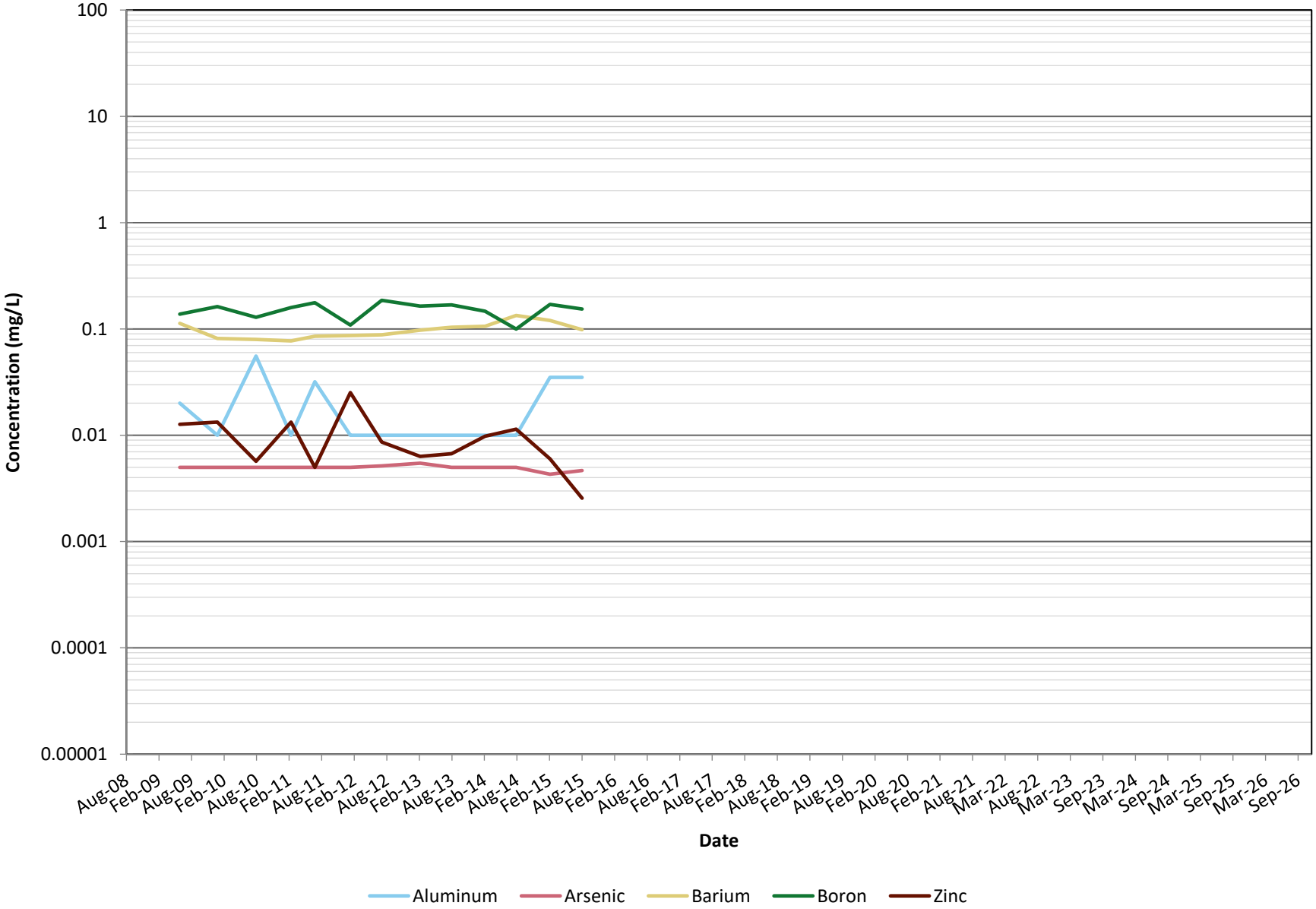
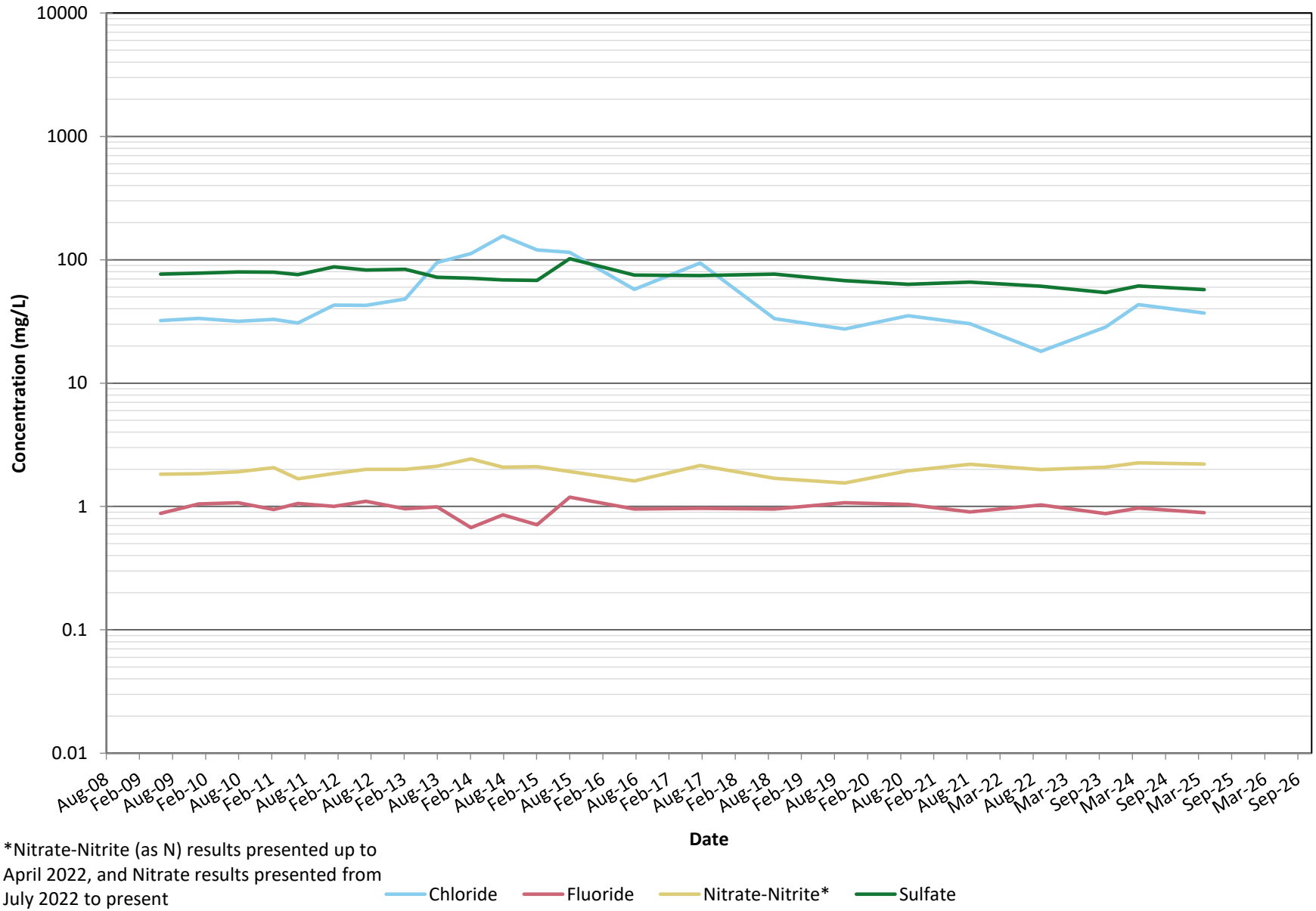
MW-10 TDS CONCENTRATIONS OVER TIME



MW-10 METALS CONCENTRATIONS OVER TIME

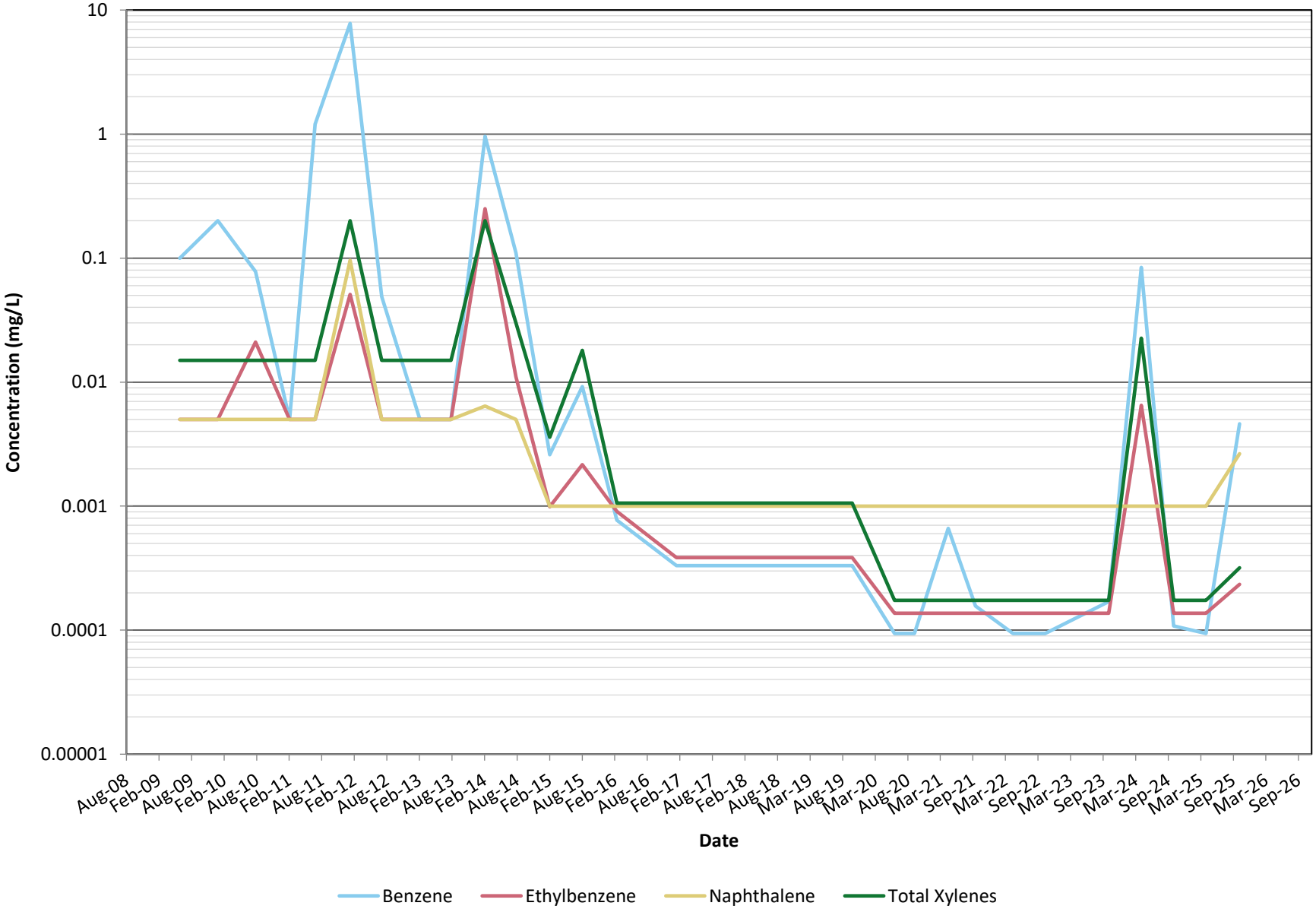


MW-10 ANIONS CONCENTRATIONS OVER TIME

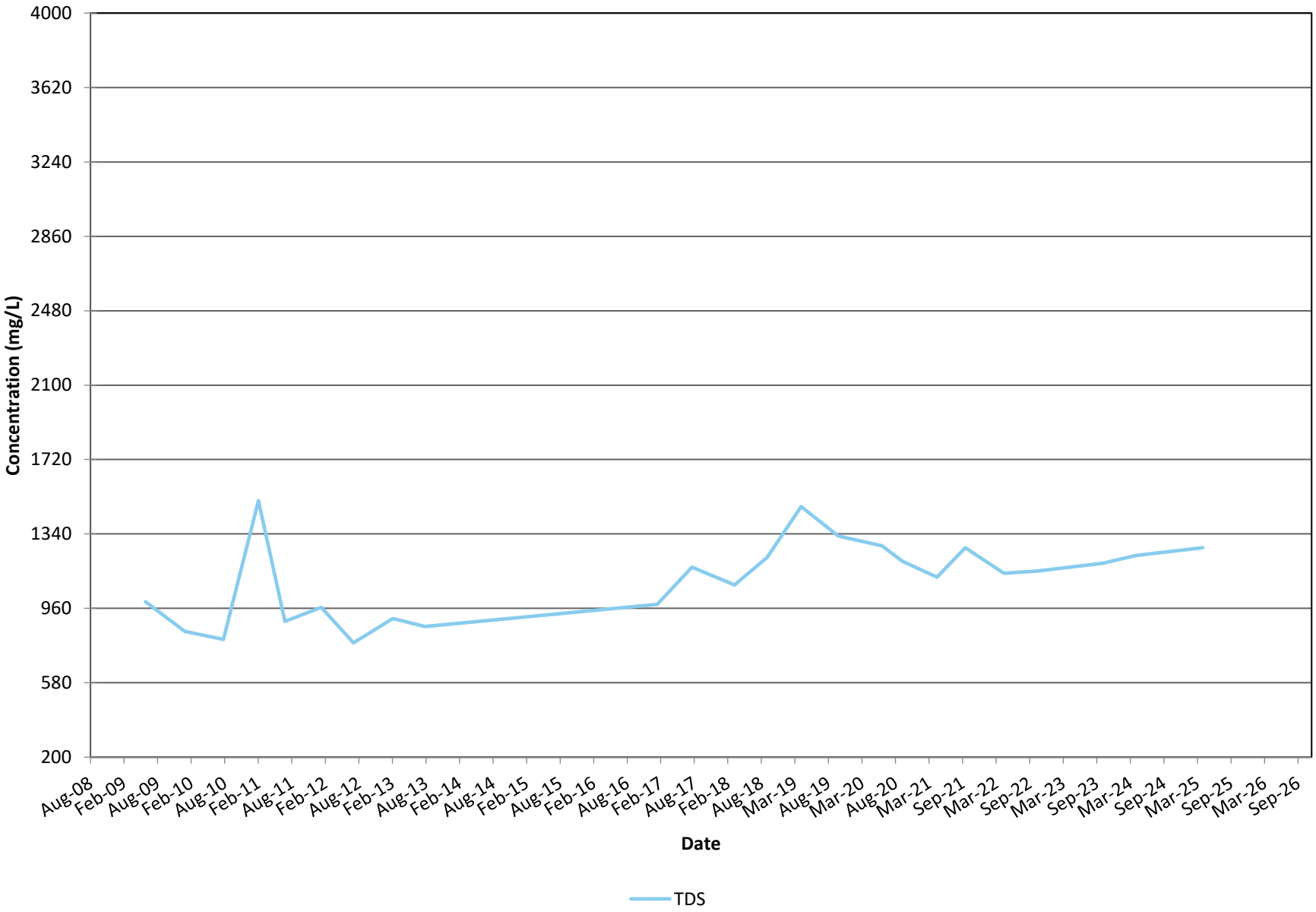


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

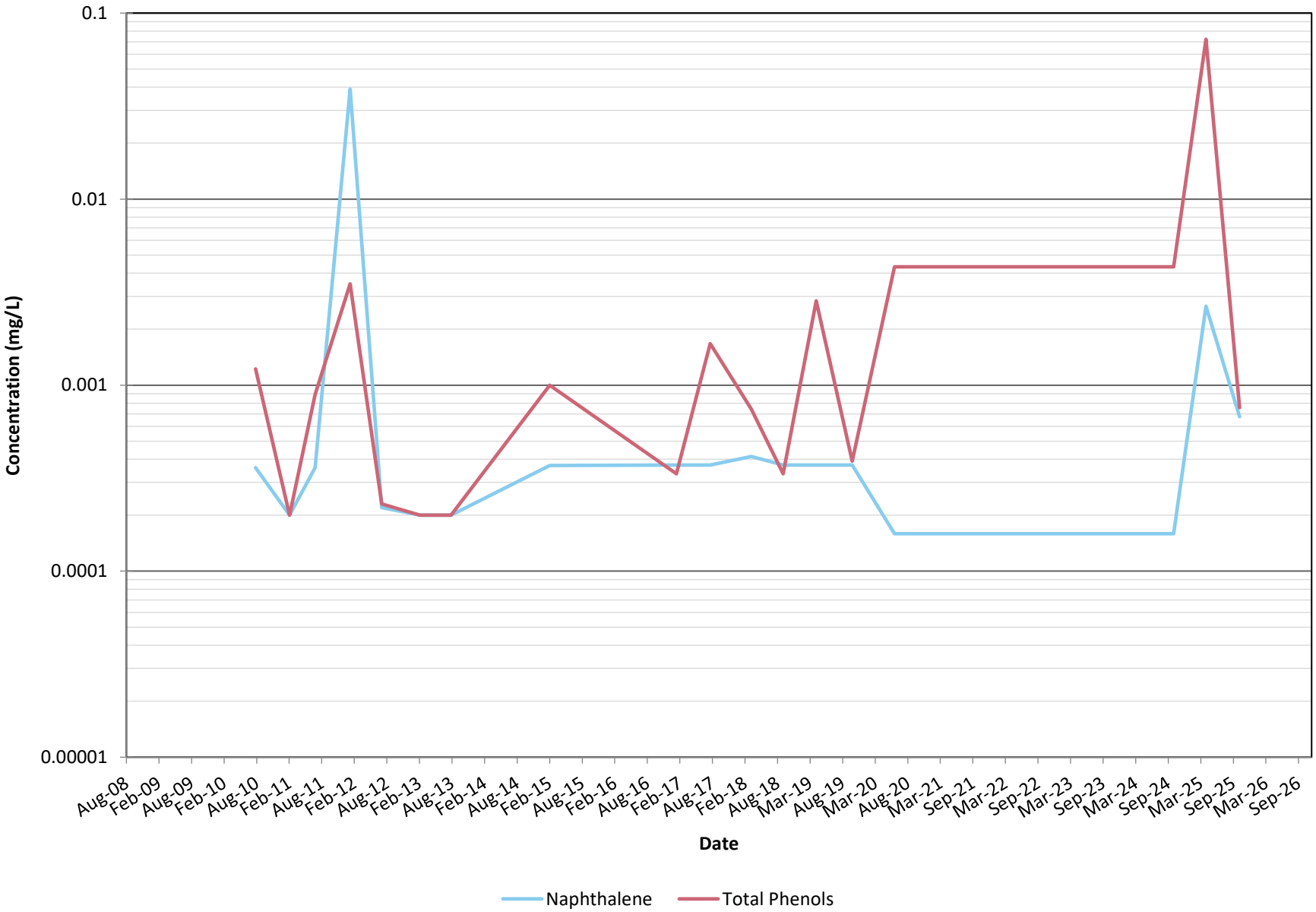
MW-11/MW-11R VOC CONCENTRATIONS OVER TIME



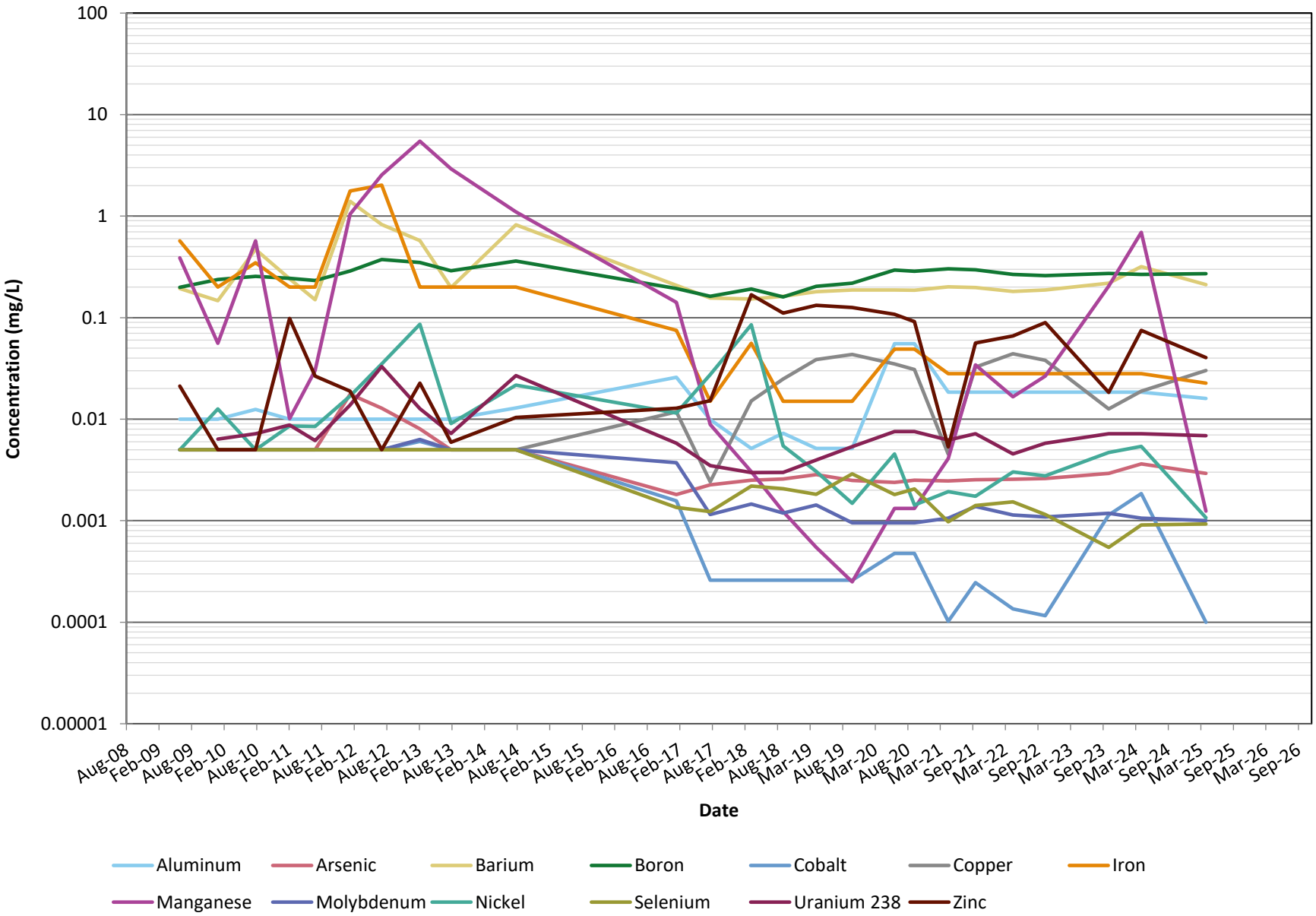
MW-11/MW-11R TDS CONCENTRATIONS OVER TIME



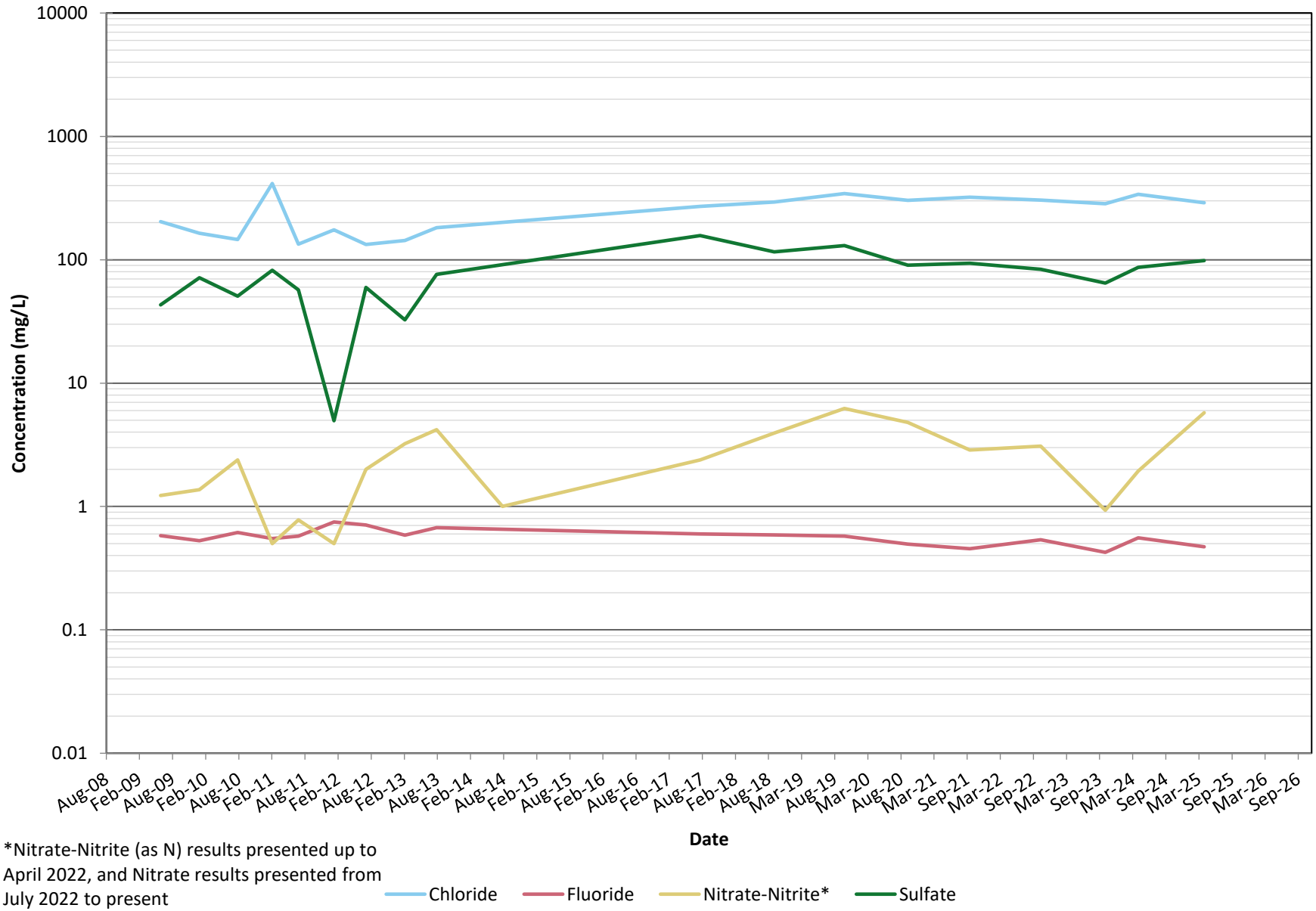
MW-11/MW-11R SVOC CONCENTRATIONS OVER TIME



MW-11/MW-11R METALS CONCENTRATIONS OVER TIME

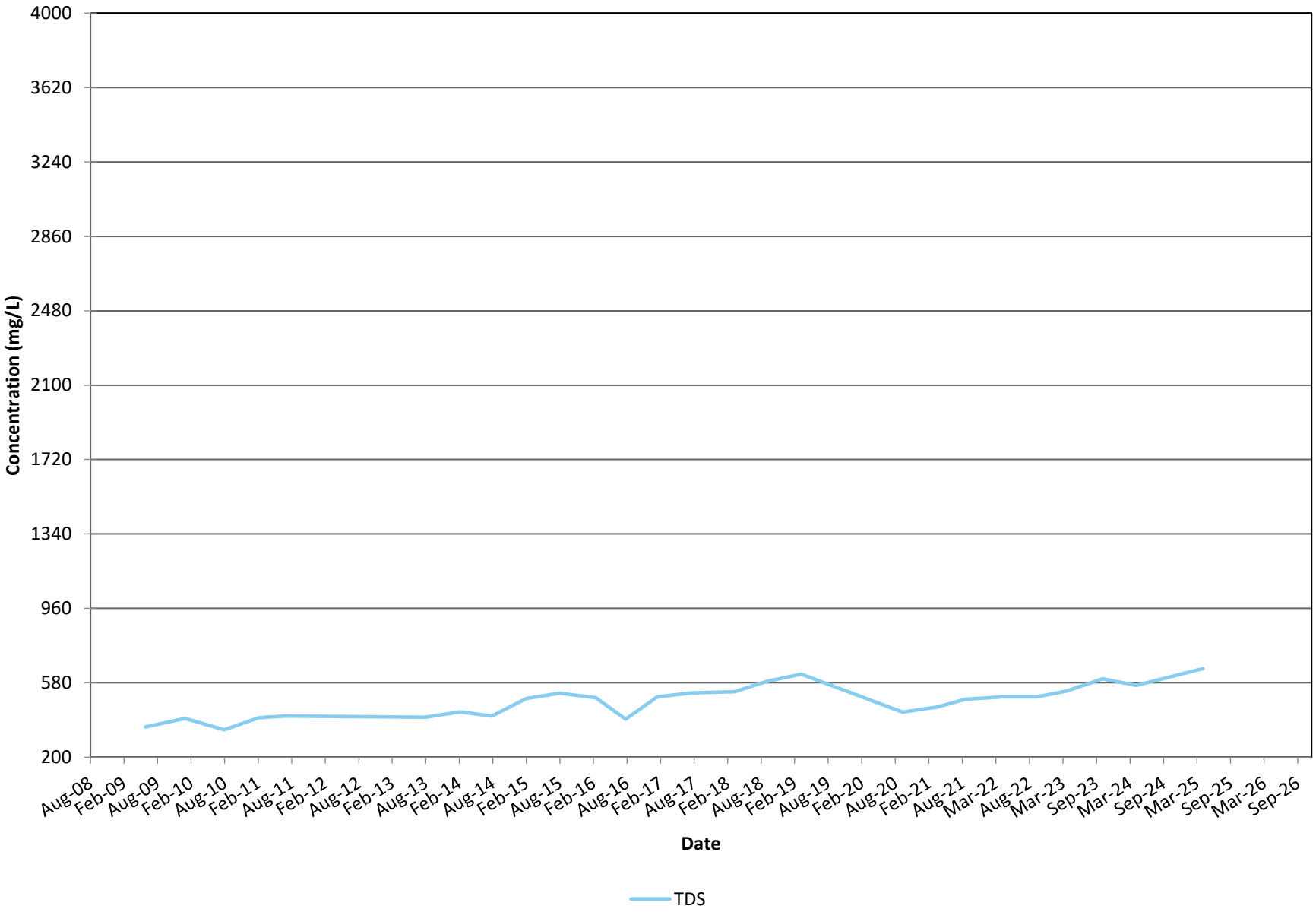


MW-11/MW-11R ANIONS CONCENTRATIONS OVER TIME

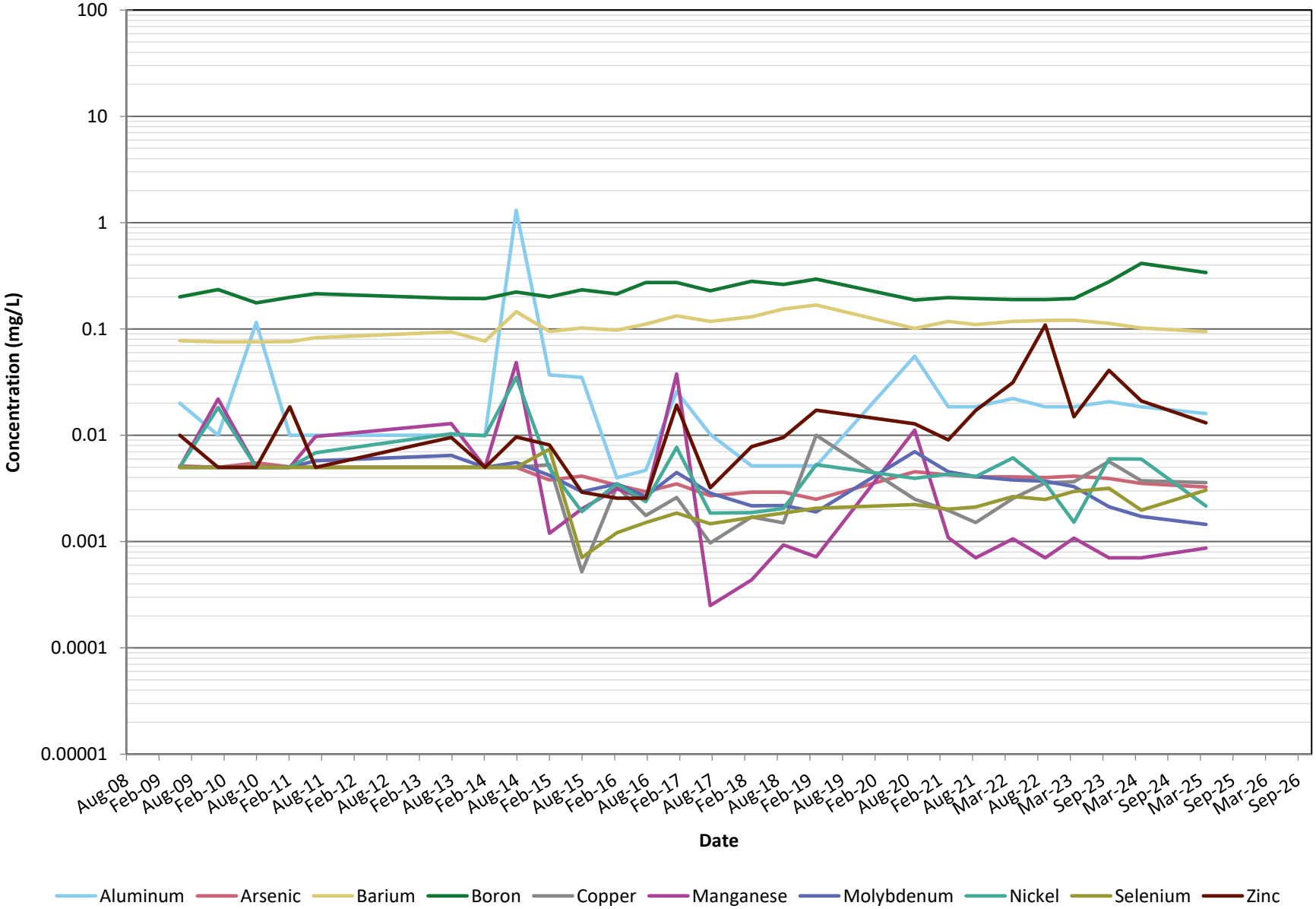


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

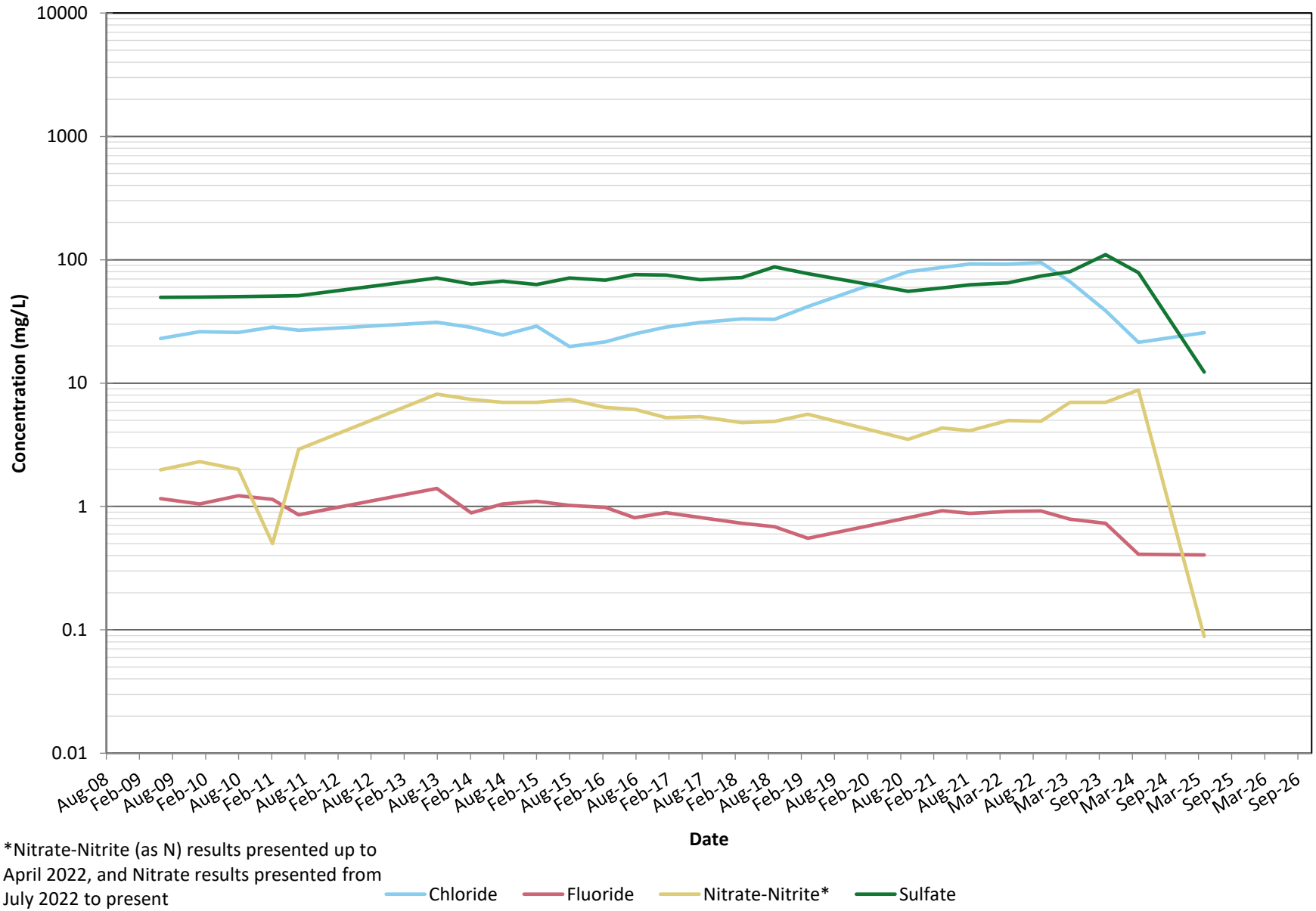
MW-12/MW-12R/MW-12R2 TDS CONCENTRATIONS OVER TIME



MW-12/MW-12R/MW-12R2 METALS CONCENTRATIONS OVER TIME

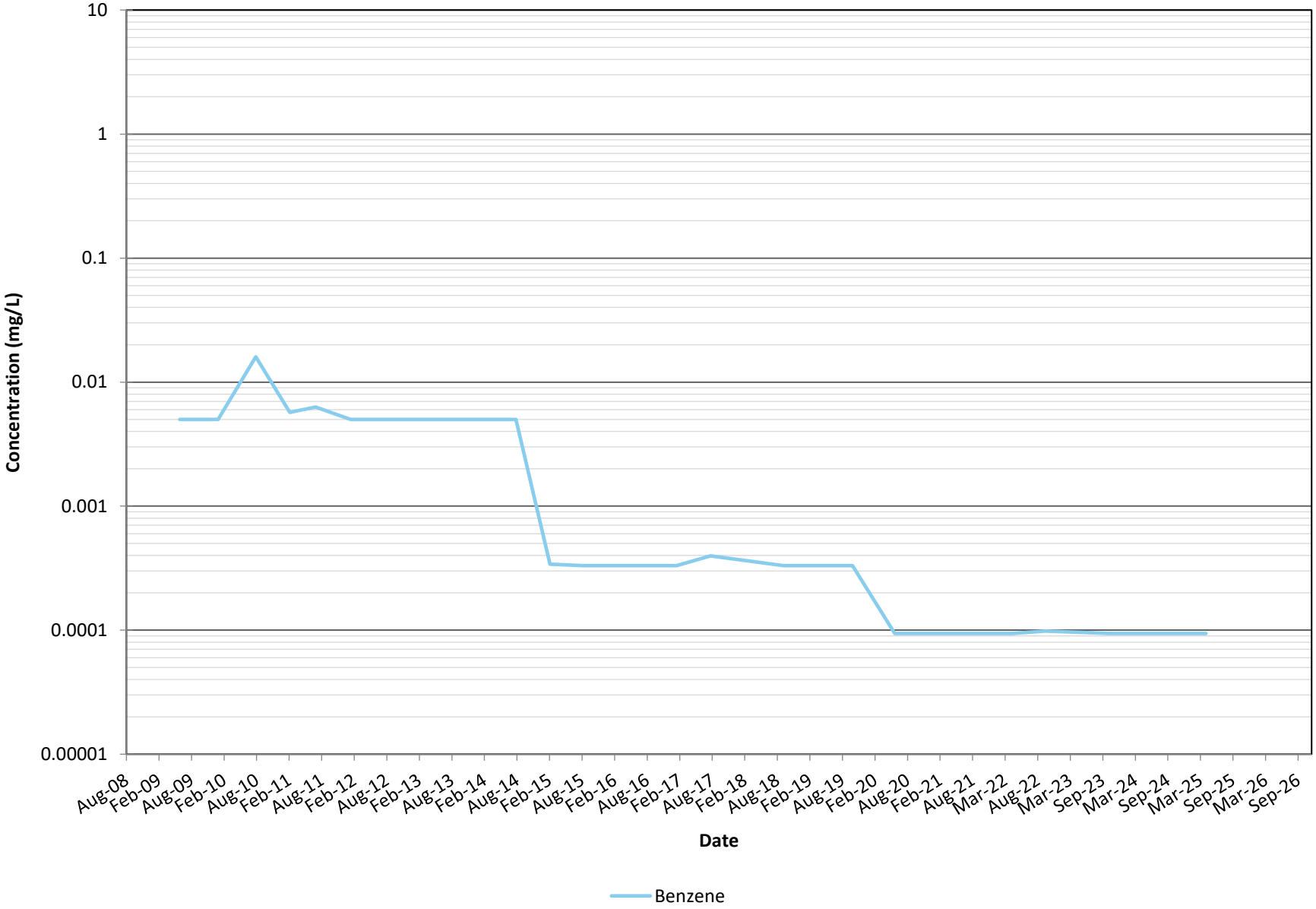


MW-12/MW-12R/MW-12R2 ANIONS CONCENTRATIONS OVER TIME

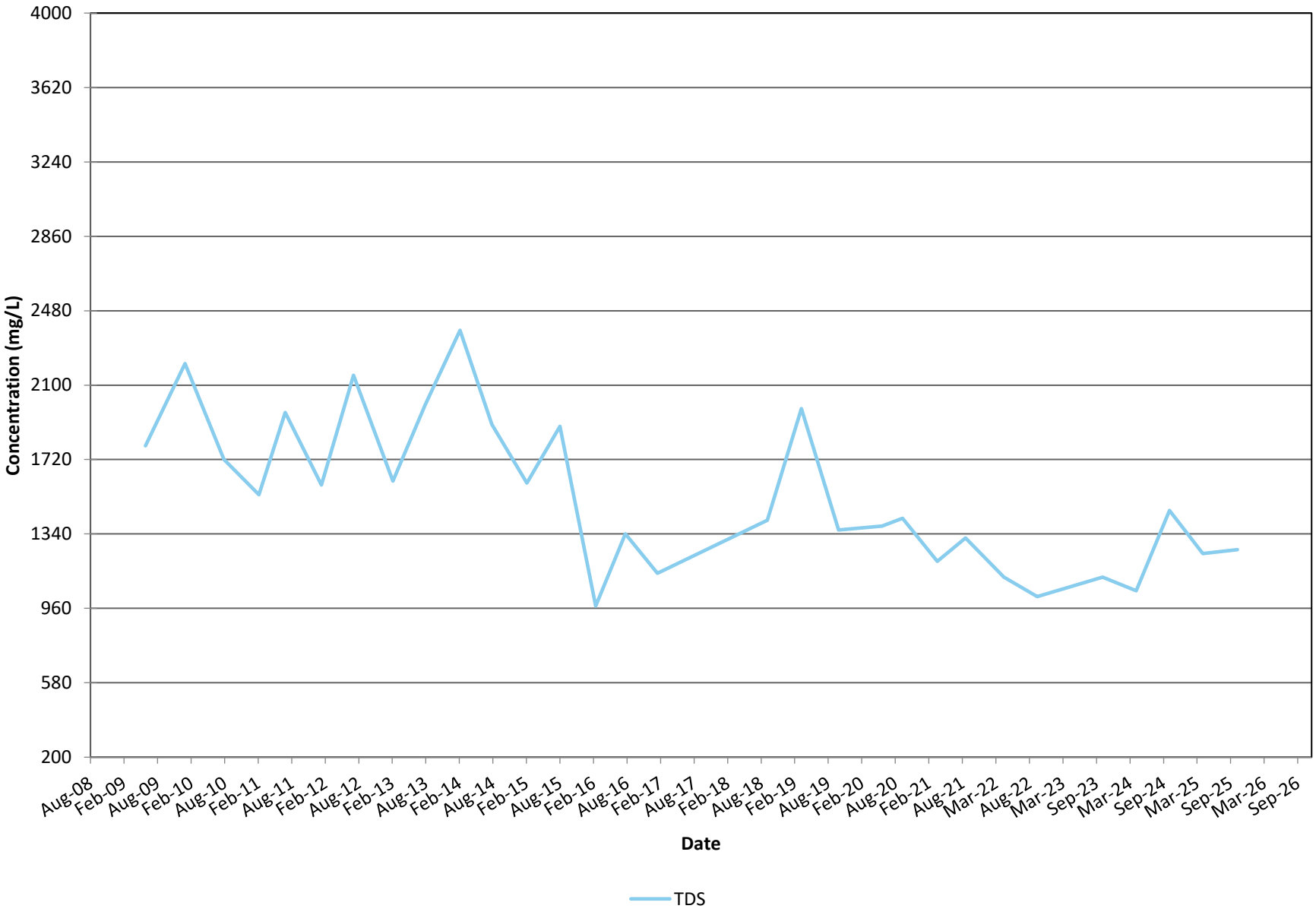


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

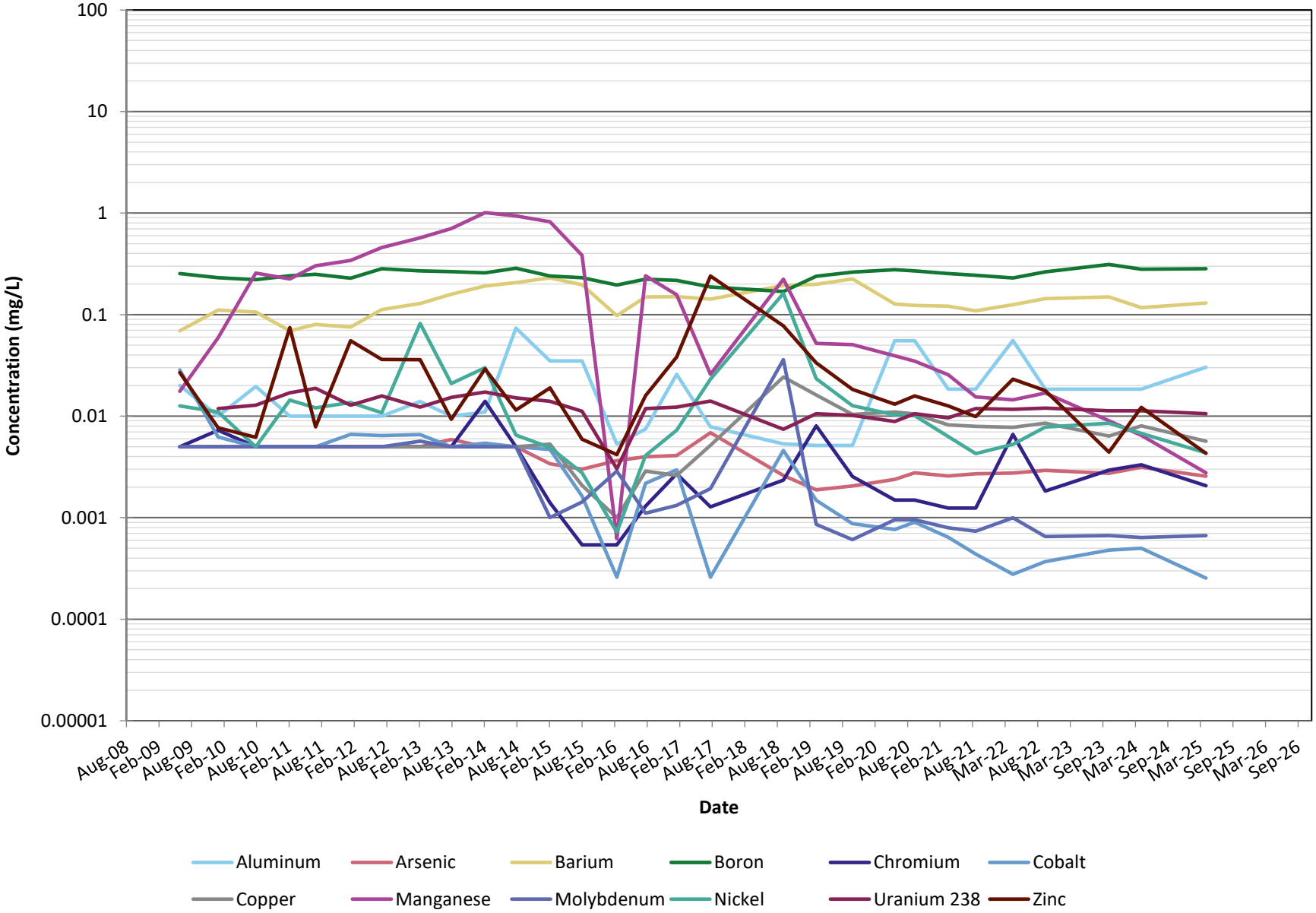
MW-13/MW-13R VOC CONCENTRATIONS OVER TIME



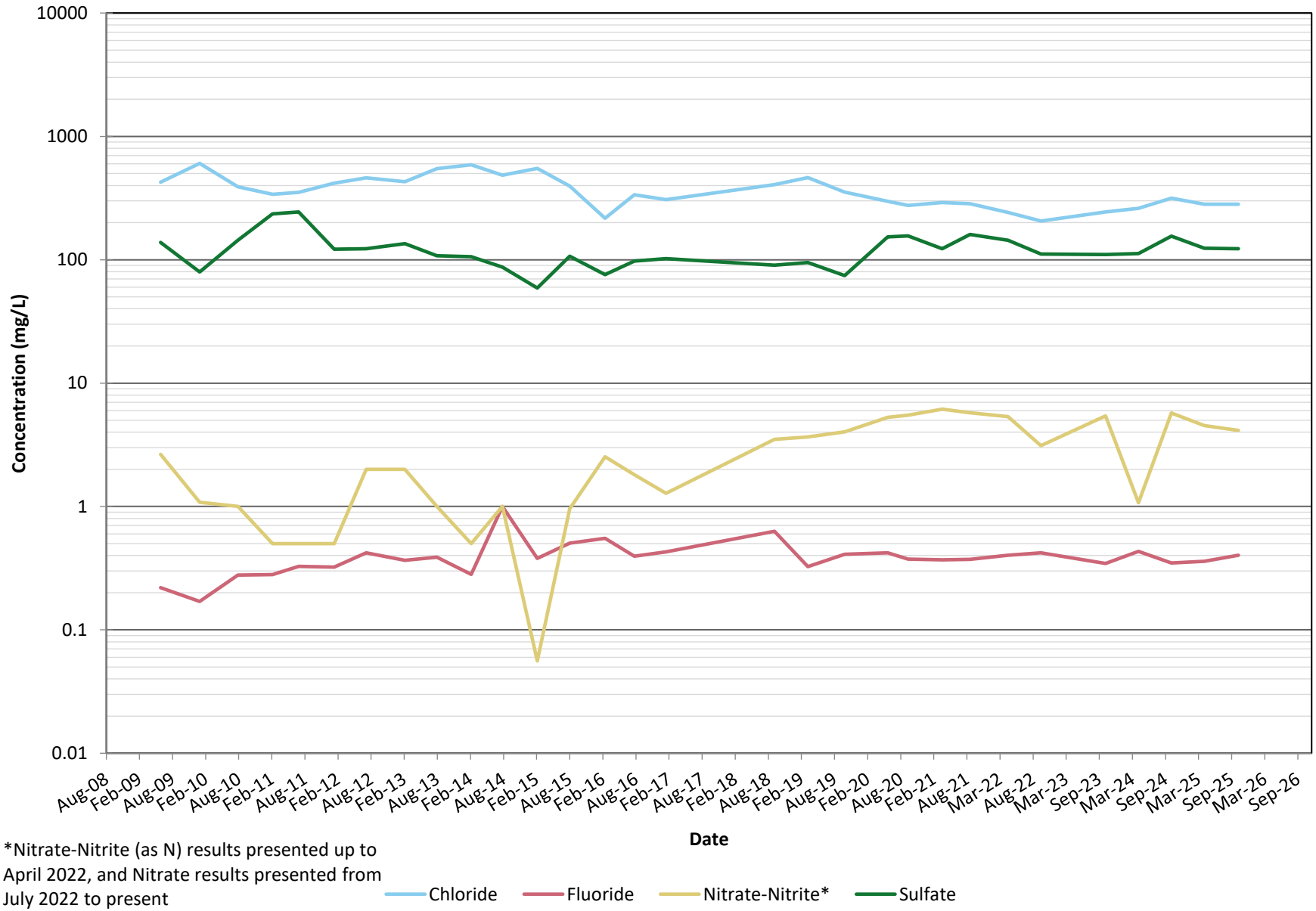
MW-13/MW-13R TDS CONCENTRATIONS OVER TIME



MW-13/MW-13R METALS CONCENTRATIONS OVER TIME



MW-13/MW-13R ANIONS CONCENTRATIONS OVER TIME



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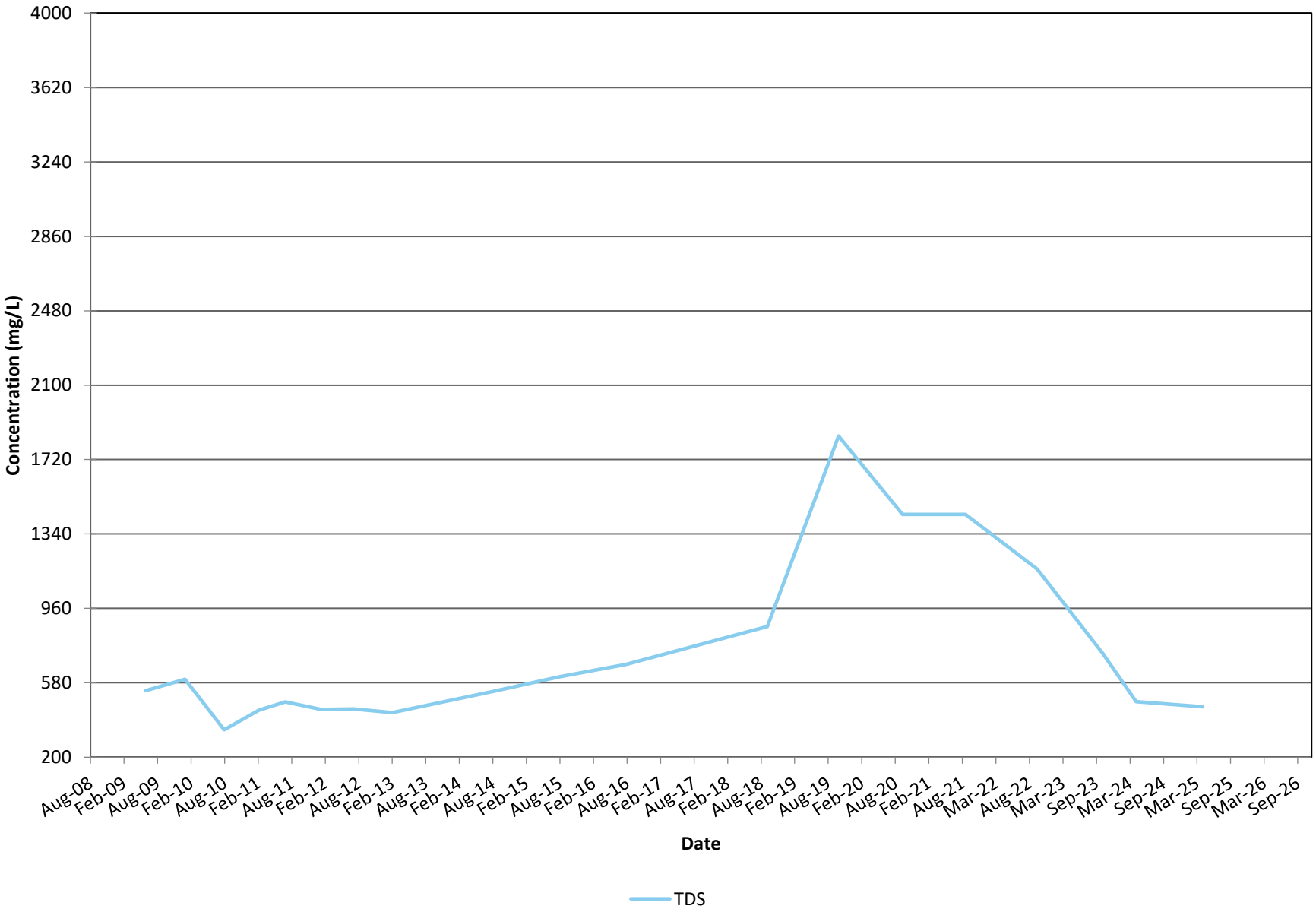
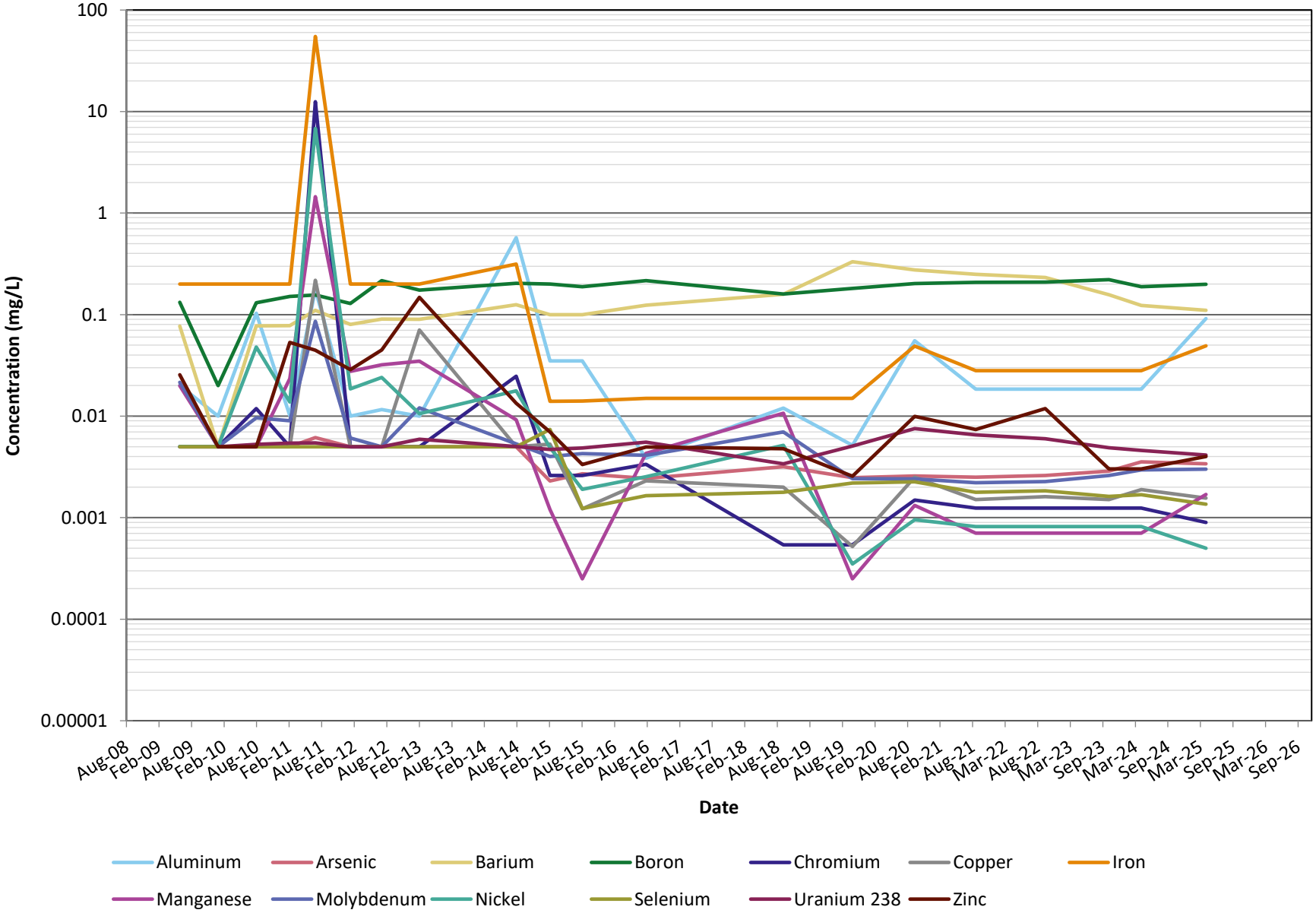
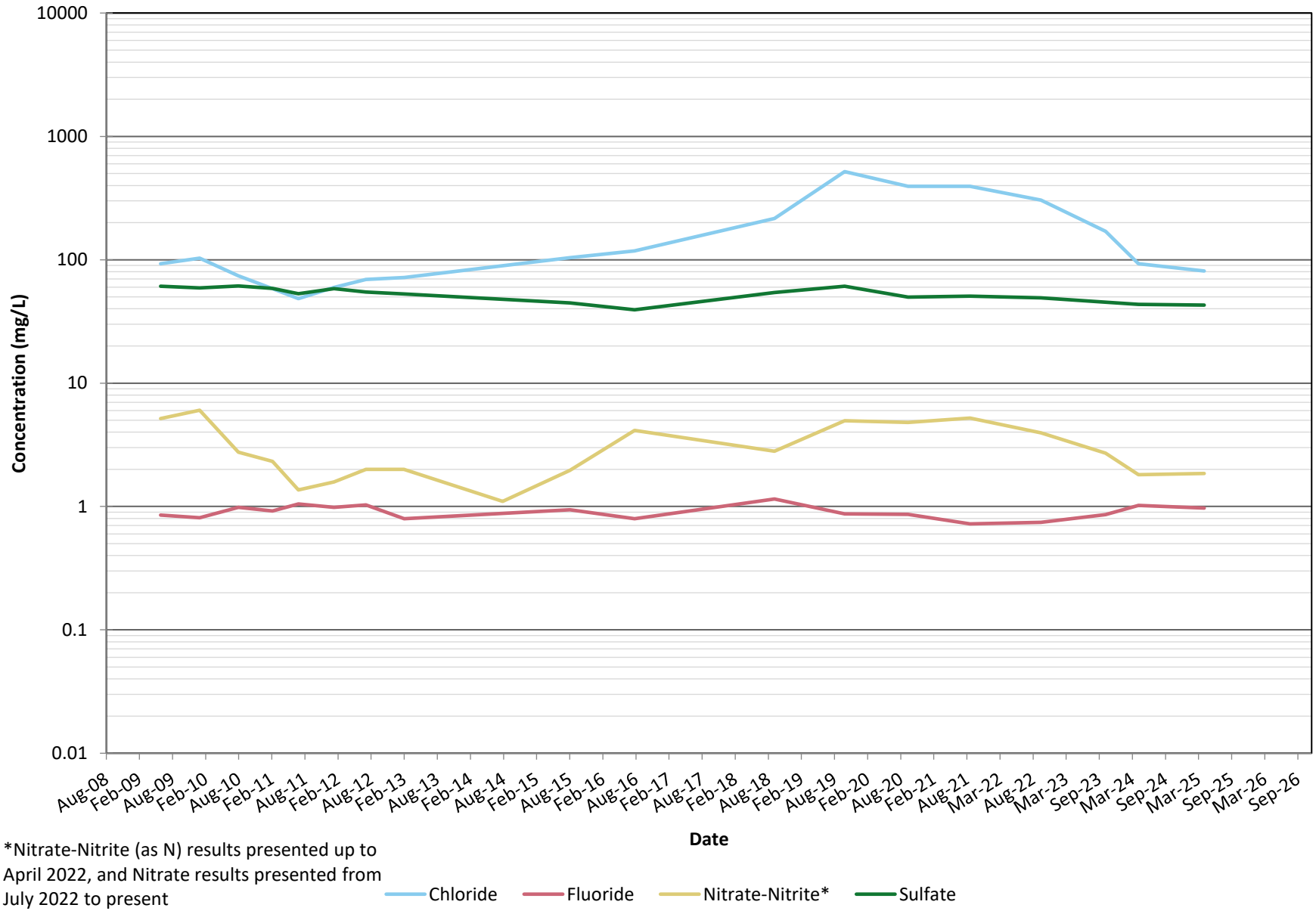
MW-14/MW-14R TDS CONCENTRATIONS OVER TIME



MW-14/MW-14R METALS CONCENTRATIONS OVER TIME

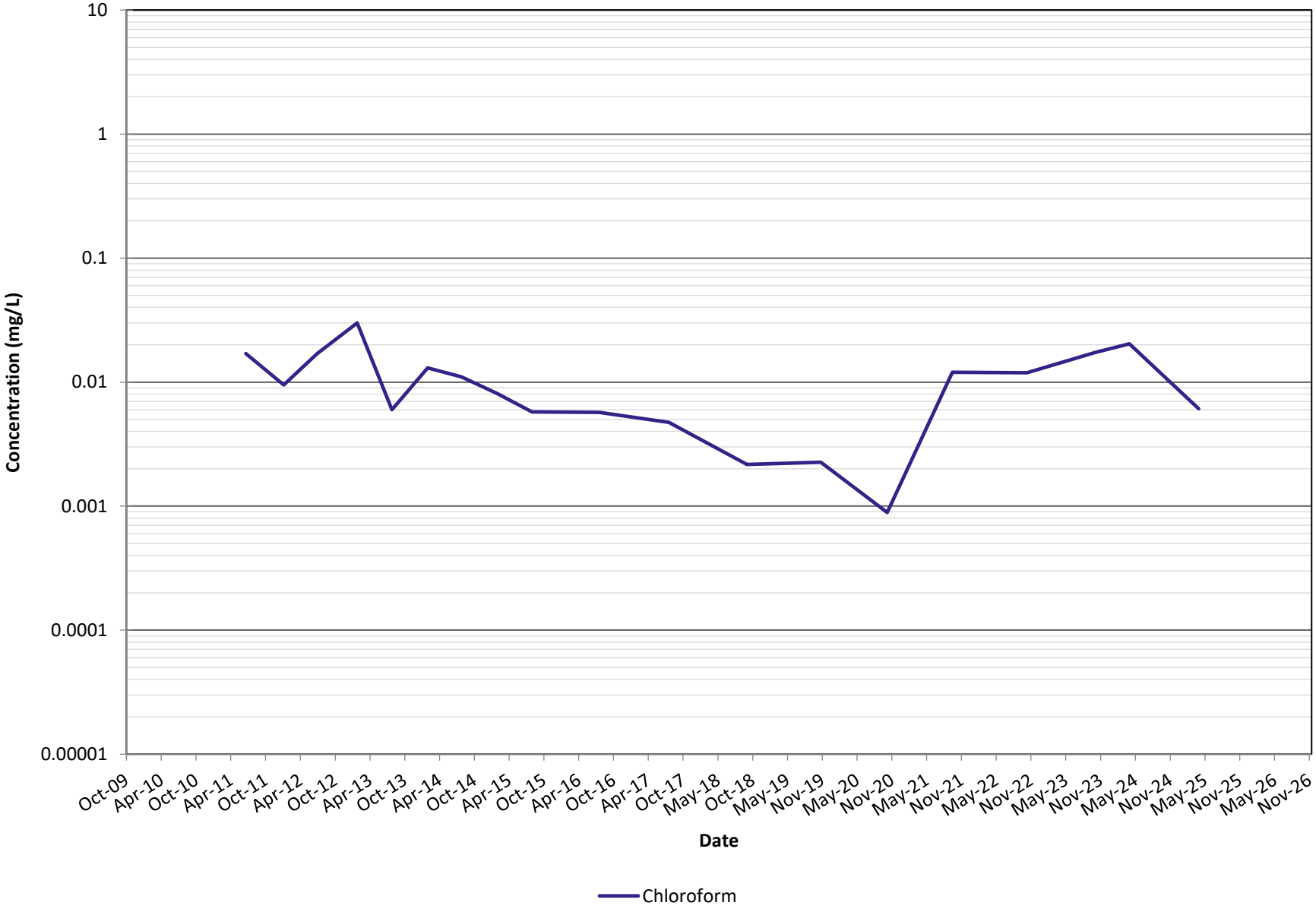


MW-14/MW-14R ANIONS CONCENTRATIONS OVER TIME

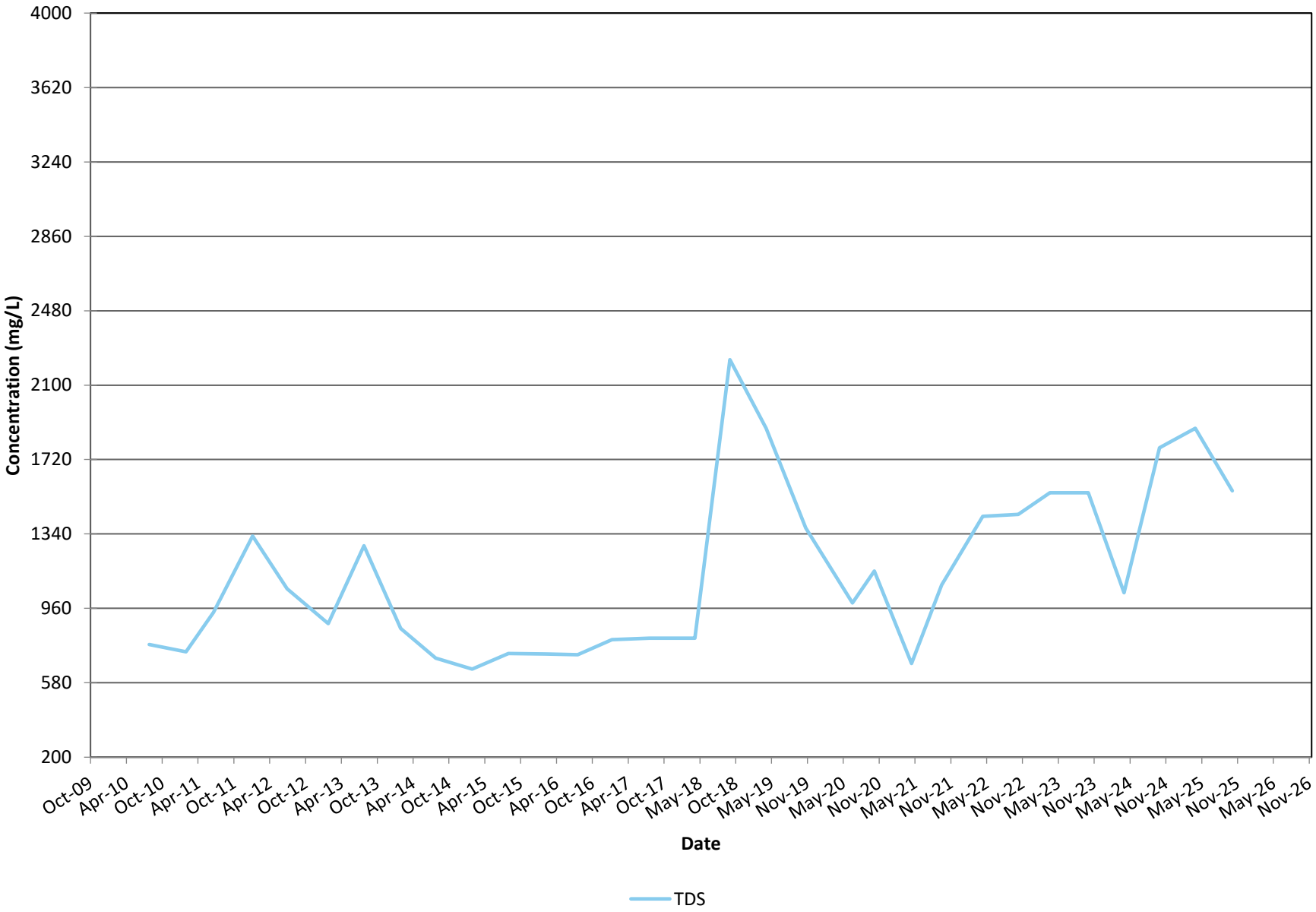


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

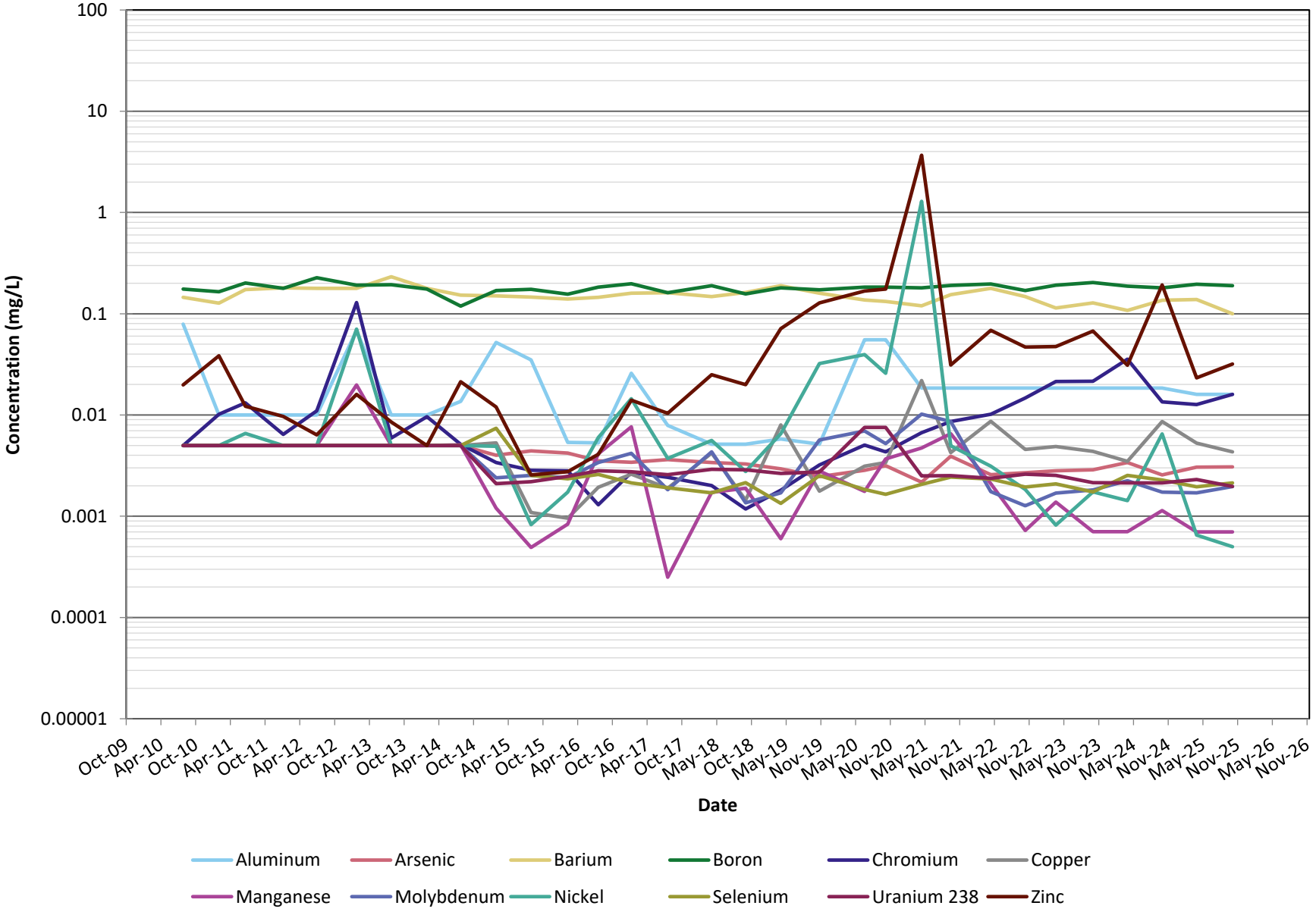
MW-15/MW-15R VOC CONCENTRATIONS OVER TIME



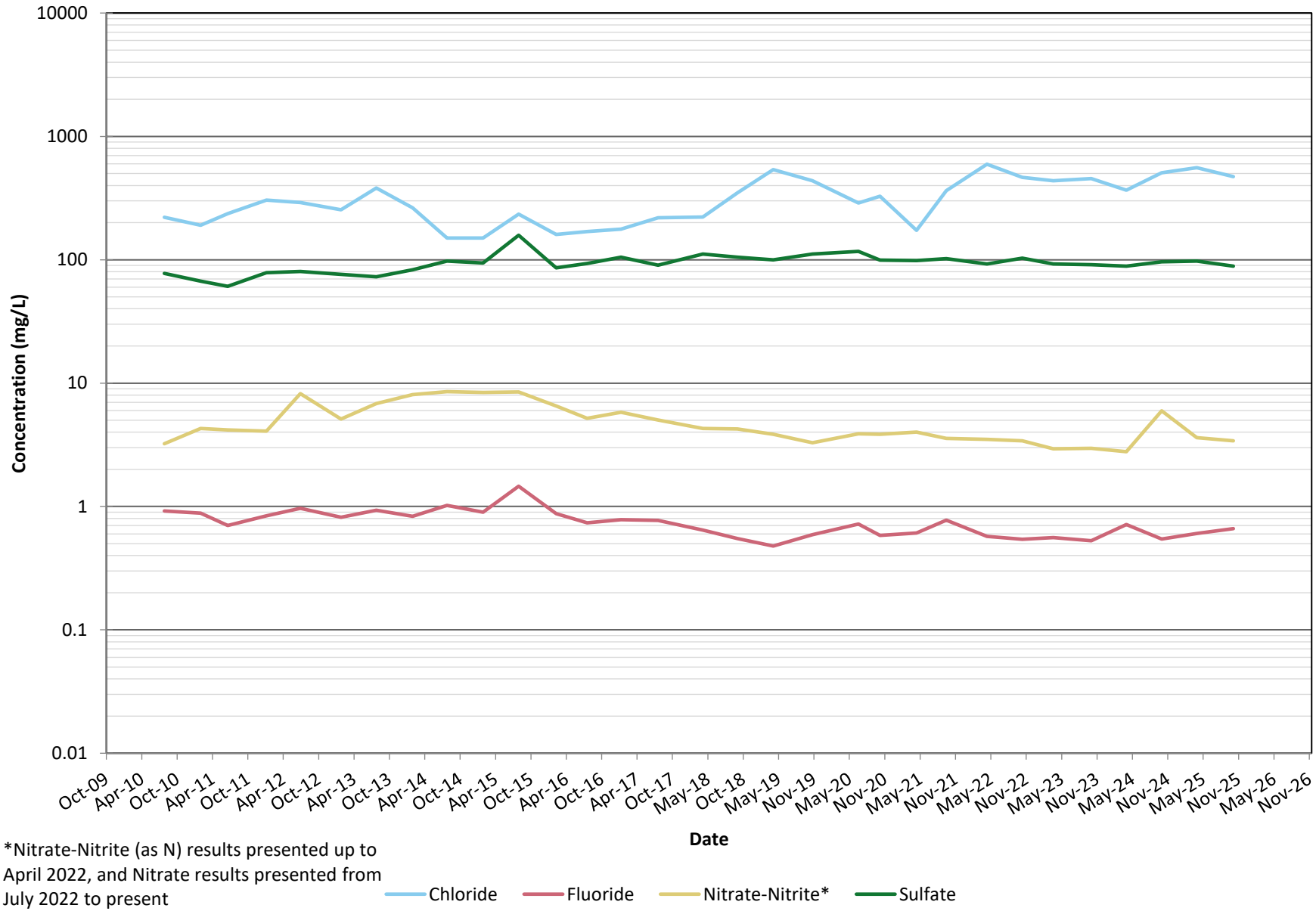
MW-15/MW-15R TDS CONCENTRATIONS OVER TIME



MW-15/MW-15R METALS CONCENTRATIONS OVER TIME



MW-15/MW-15R ANIONS CONCENTRATIONS OVER TIME



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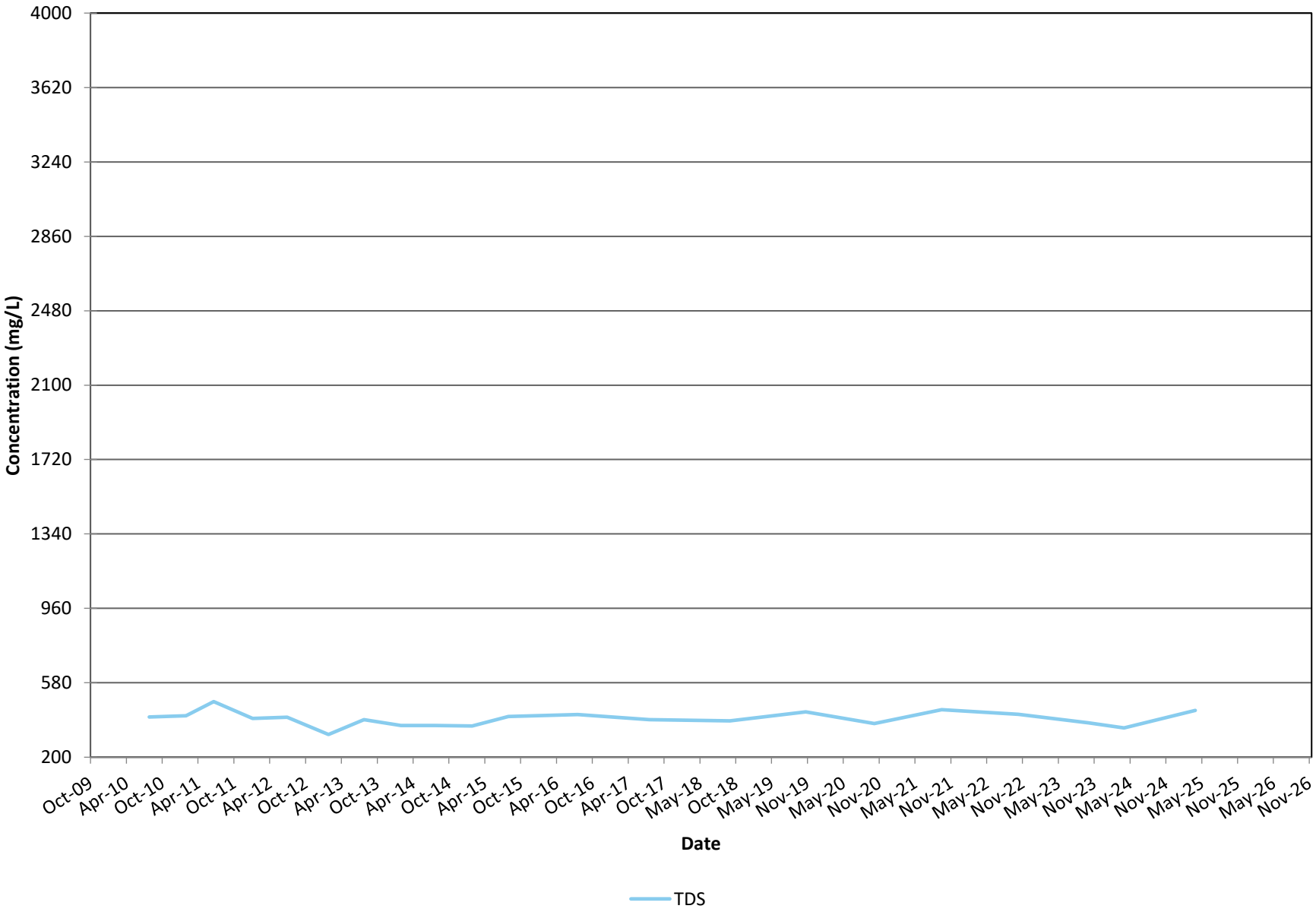
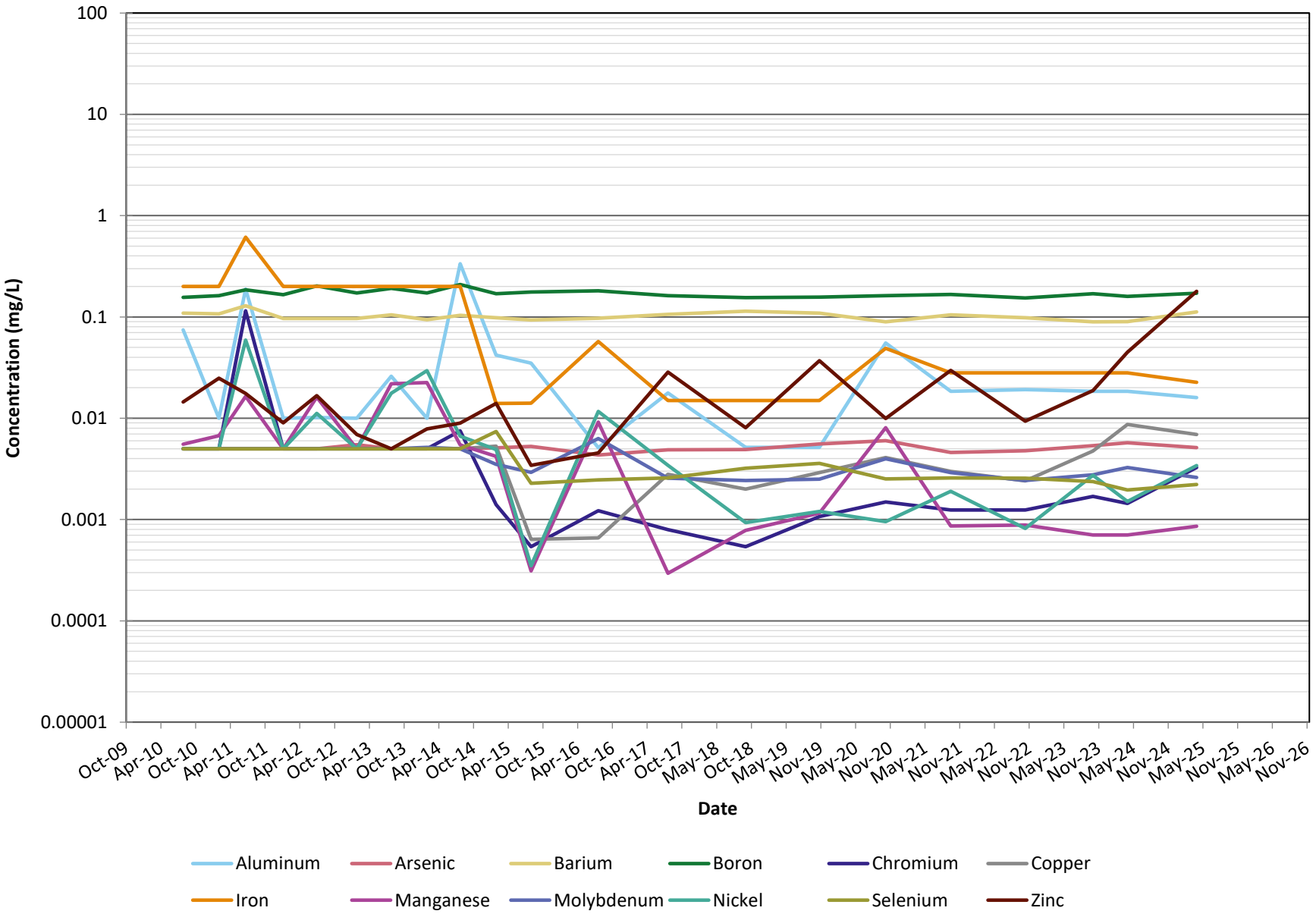
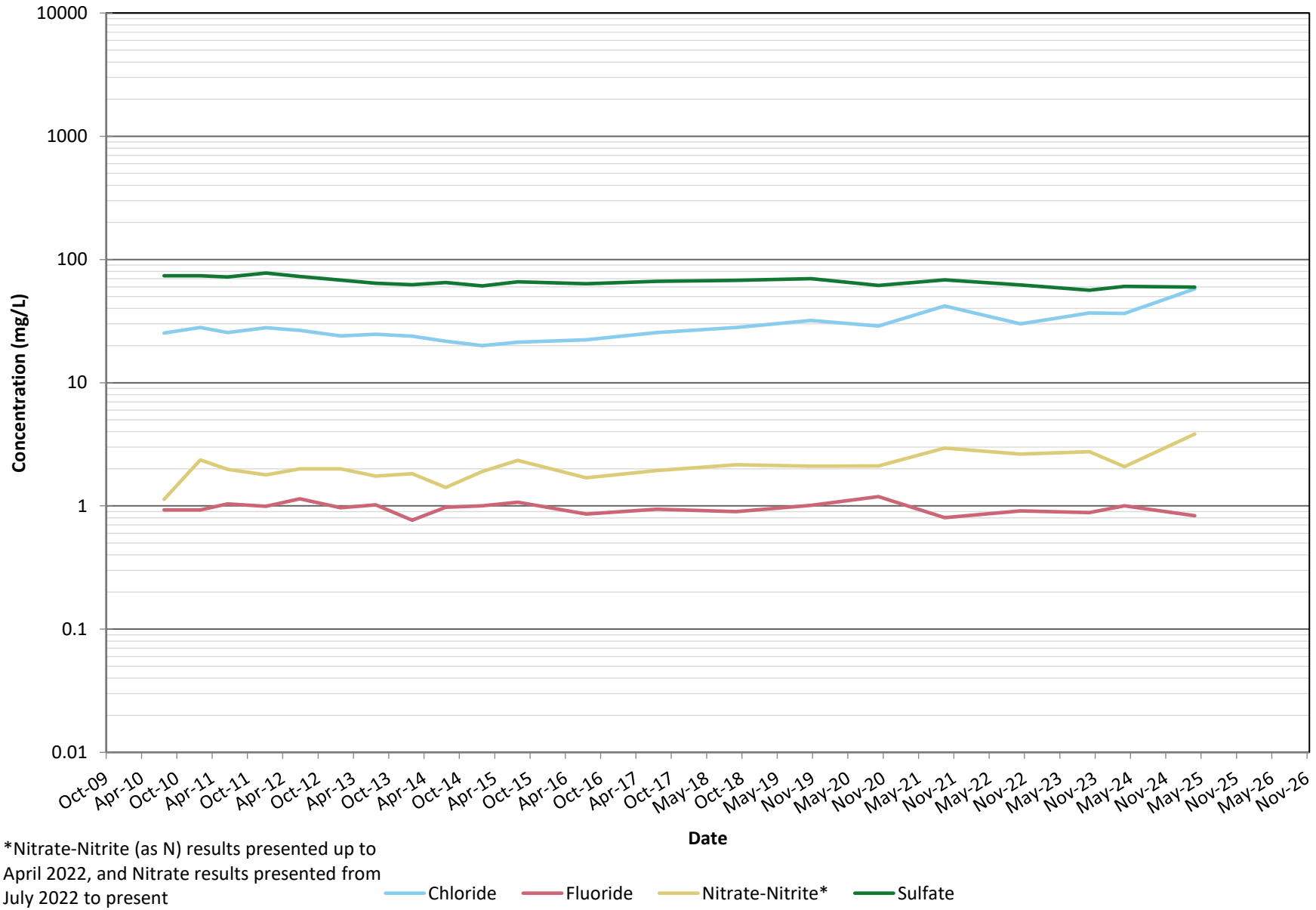
MW-16/MW-16R TDS CONCENTRATIONS OVER TIME



MW-16/MW-16R METALS CONCENTRATIONS OVER TIME



MW-16/MW-16R ANIONS CONCENTRATIONS OVER TIME



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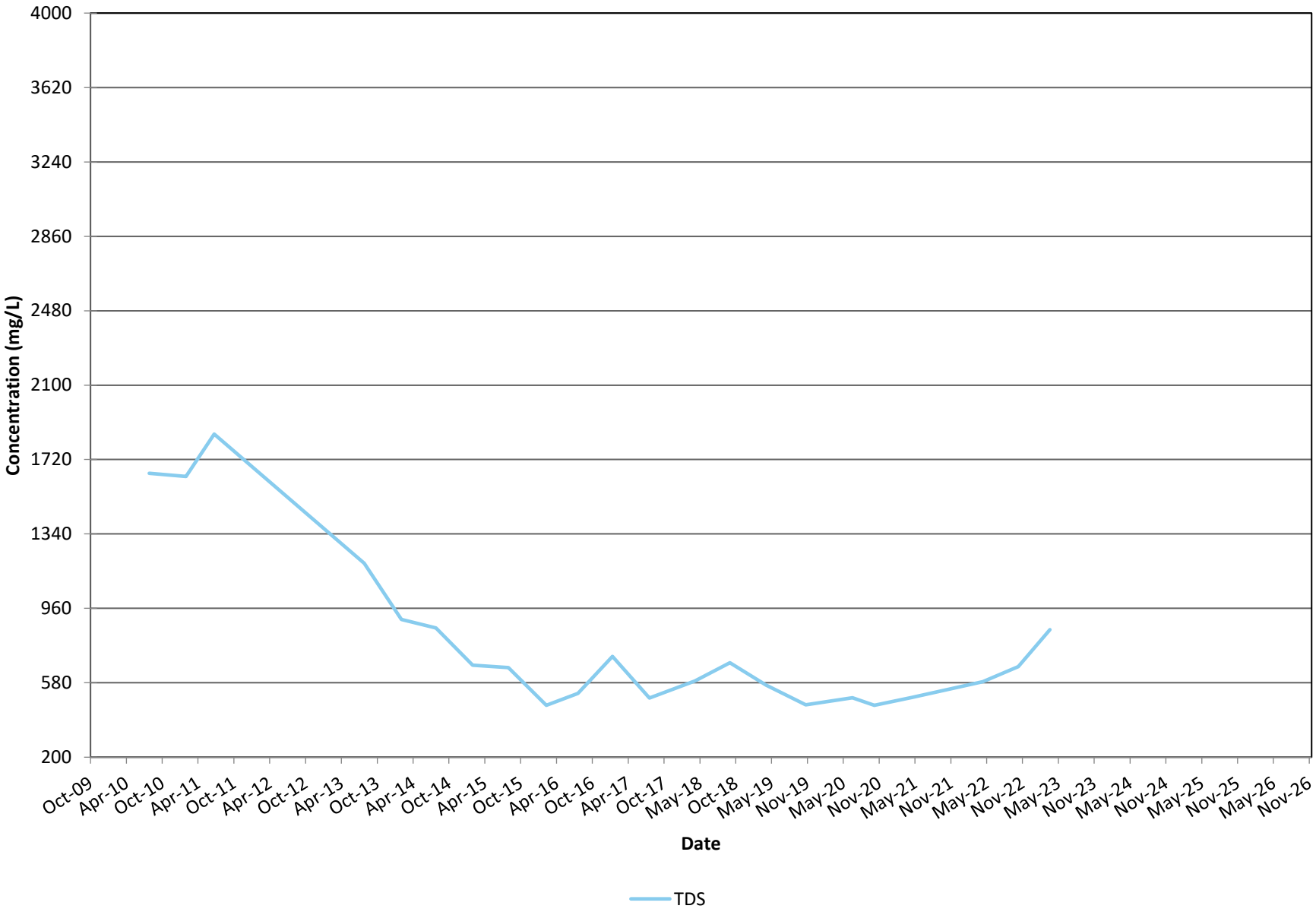
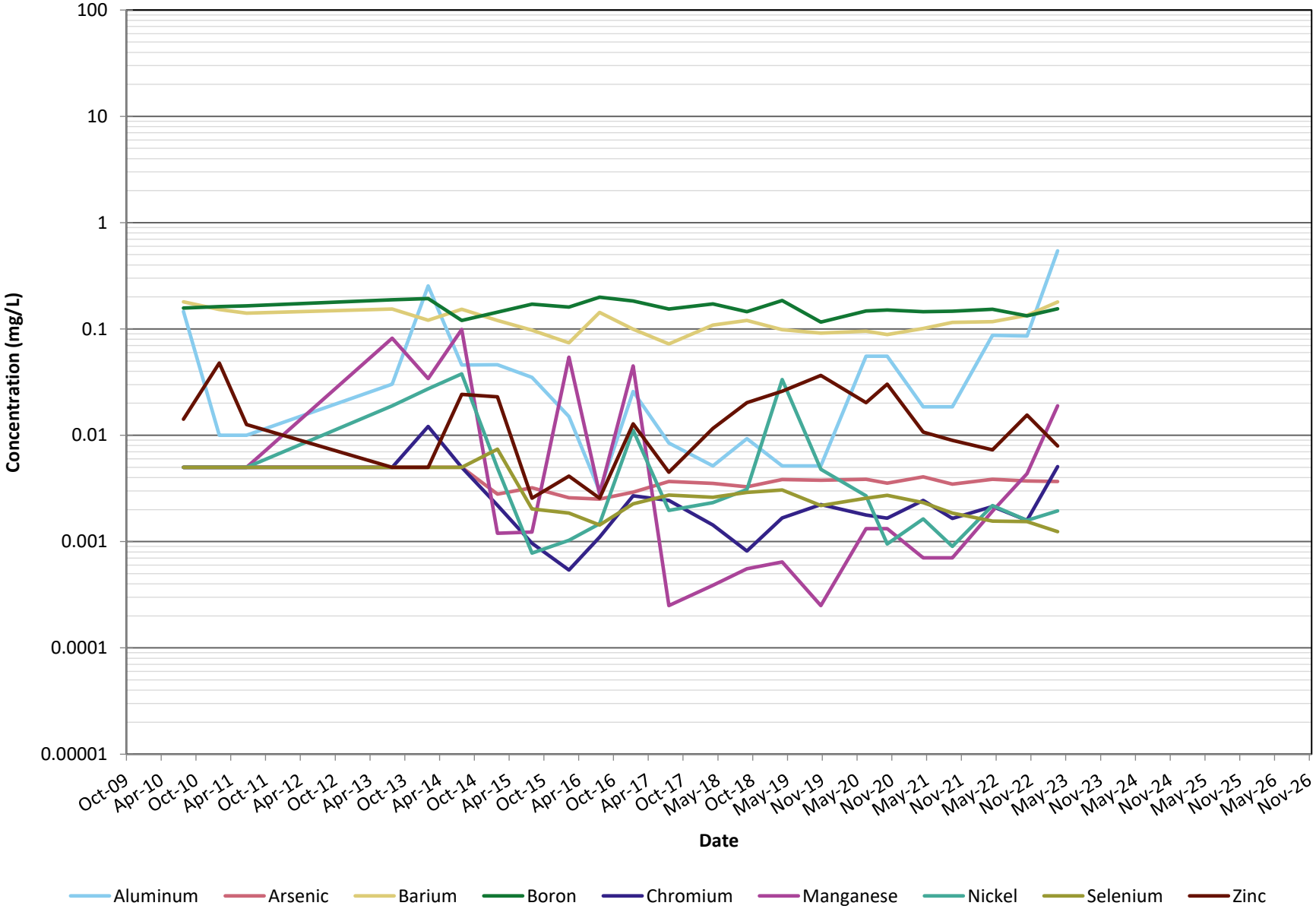
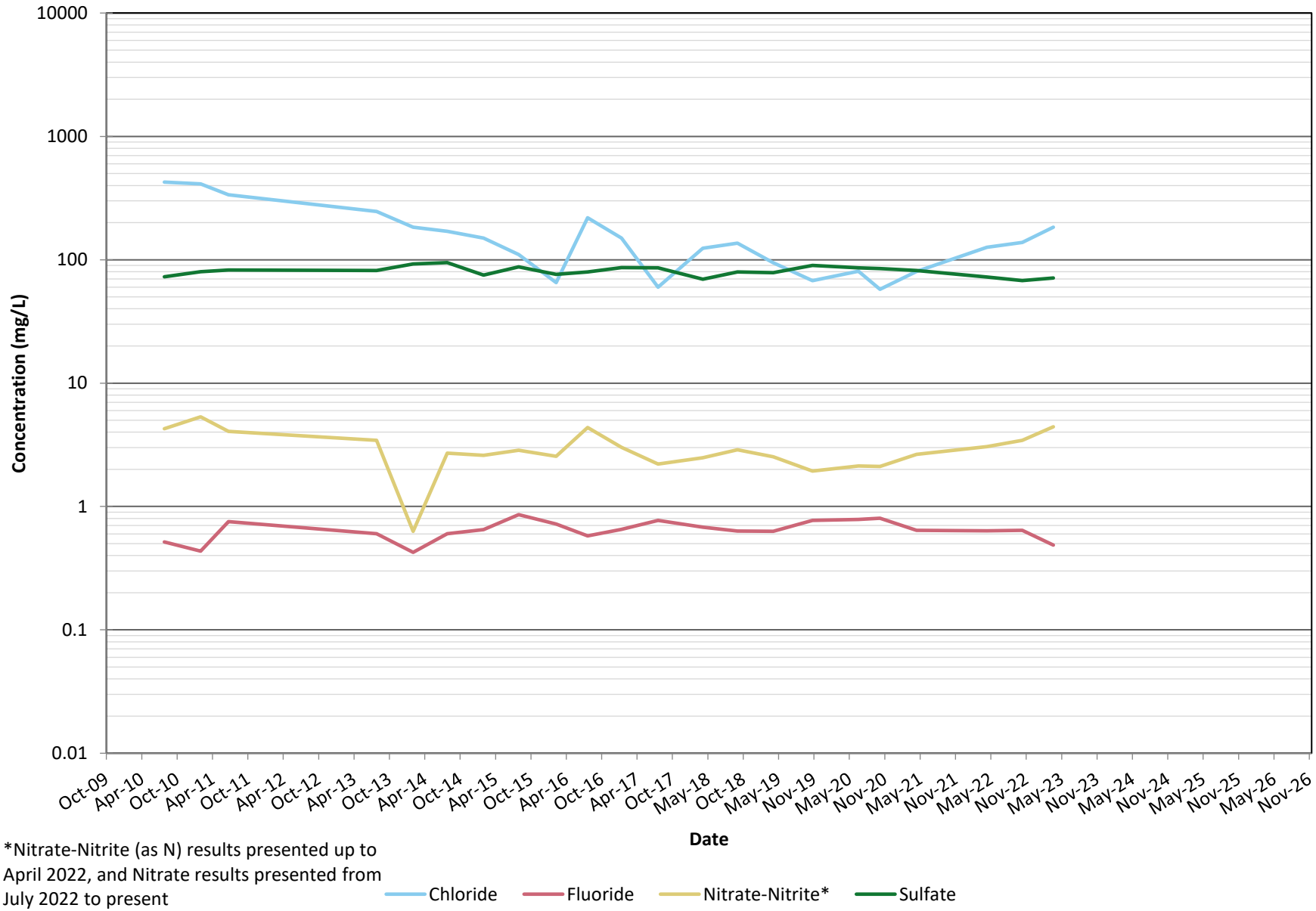
MW-17/MW-17R TDS CONCENTRATIONS OVER TIME



MW-17/MW-17R METALS CONCENTRATIONS OVER TIME

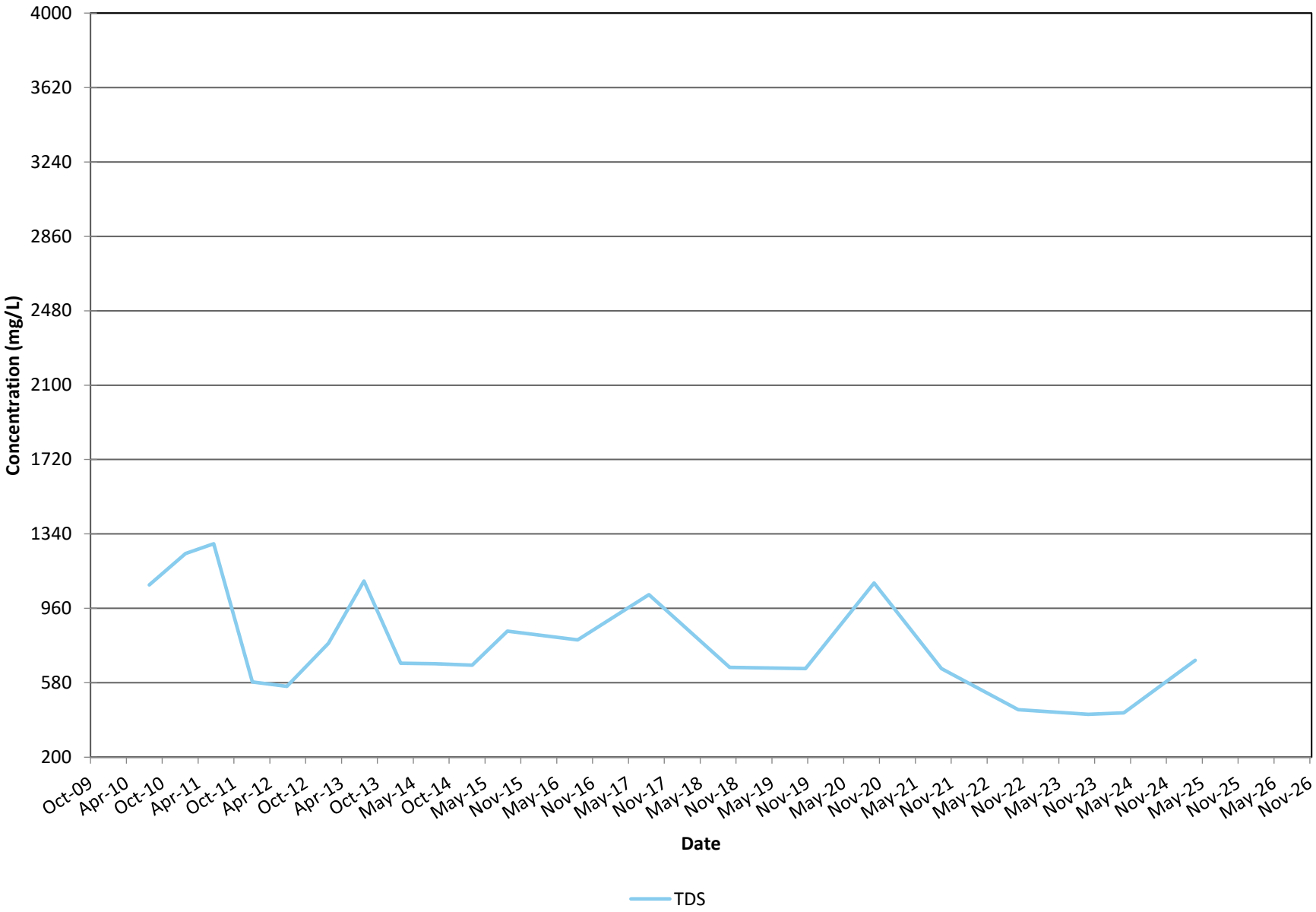


MW-17/MW-17R ANIONS CONCENTRATIONS OVER TIME

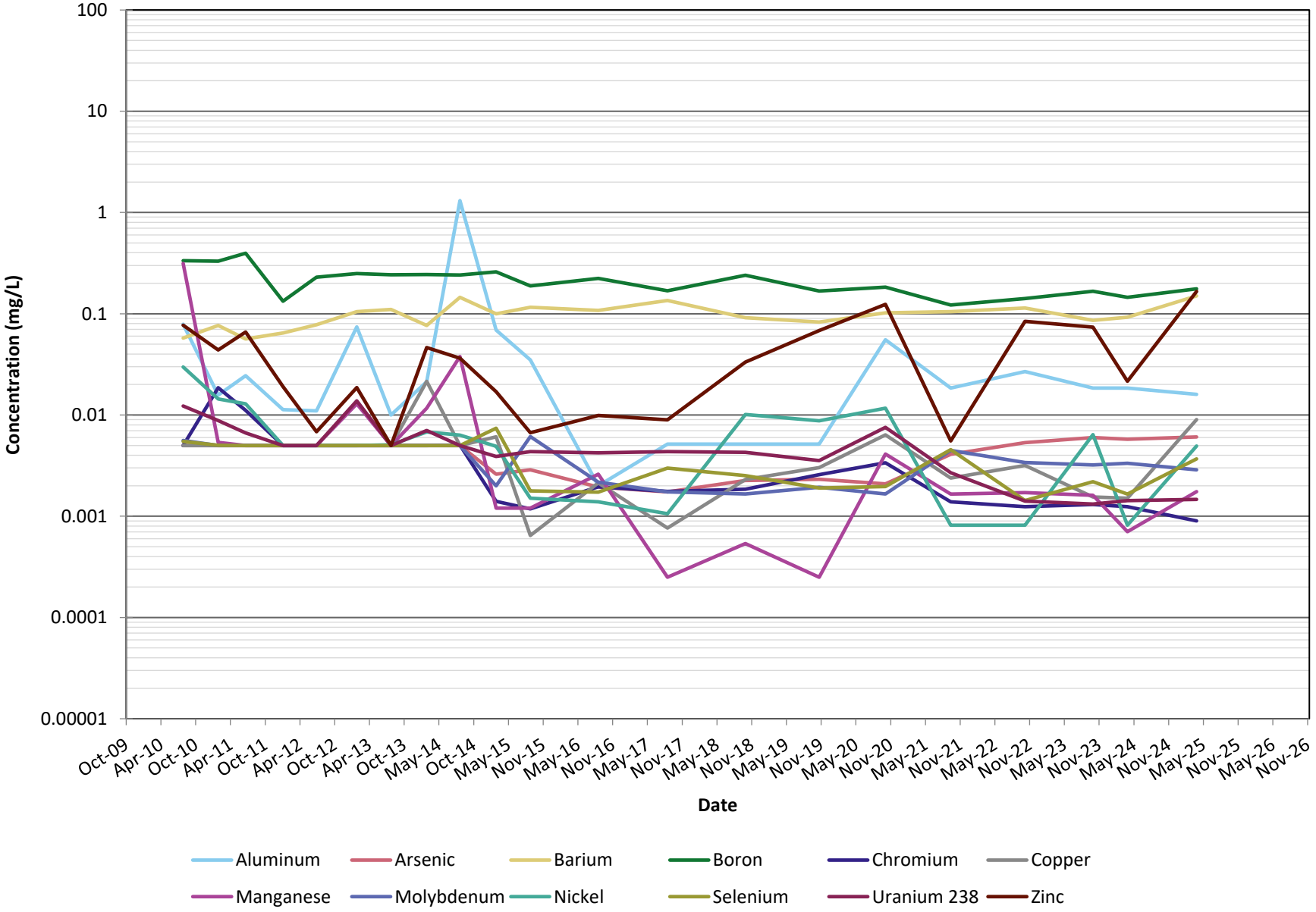


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

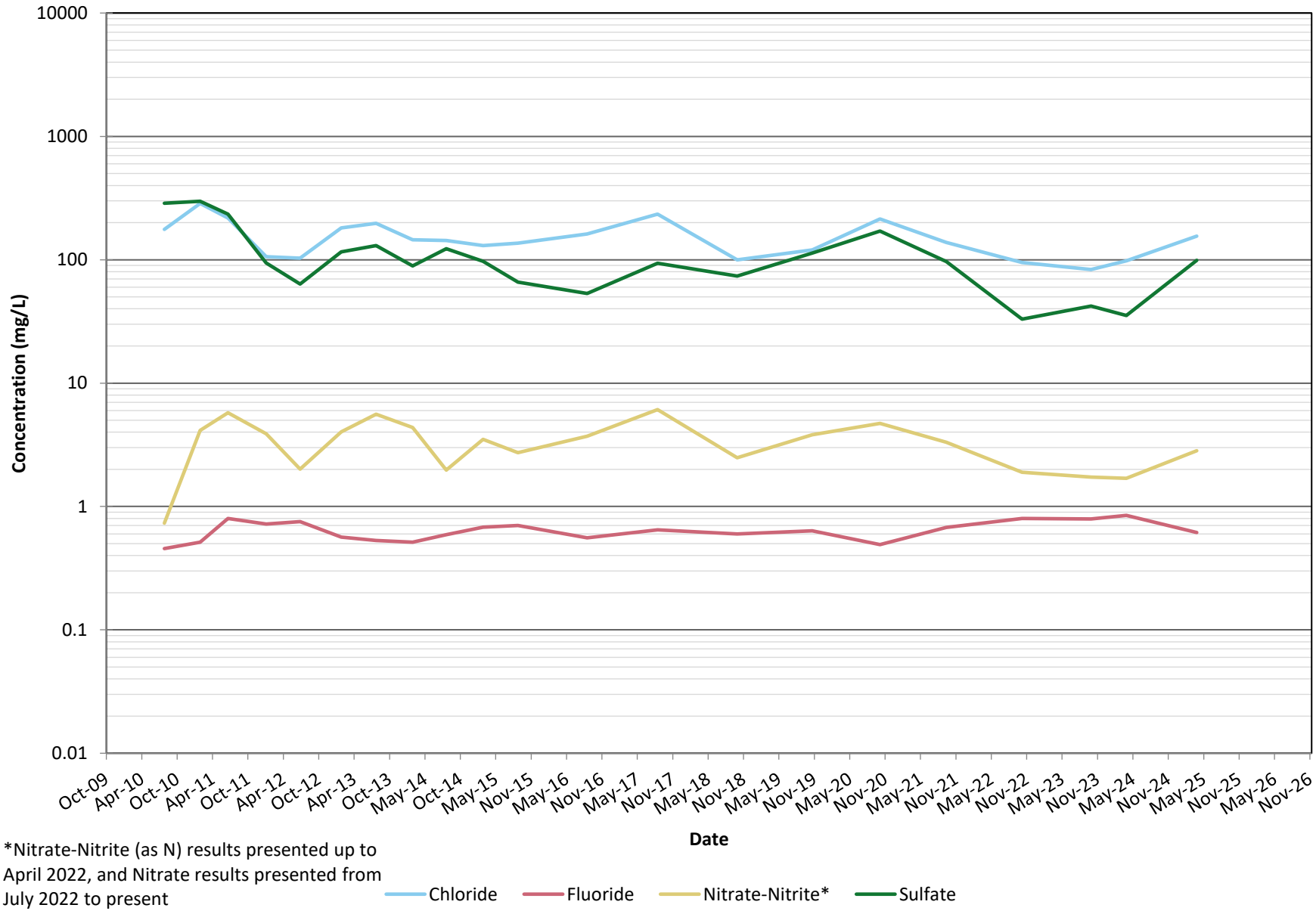
MW-18/MW-18R TDS CONCENTRATIONS OVER TIME



MW-18/MW-18R METALS CONCENTRATIONS OVER TIME

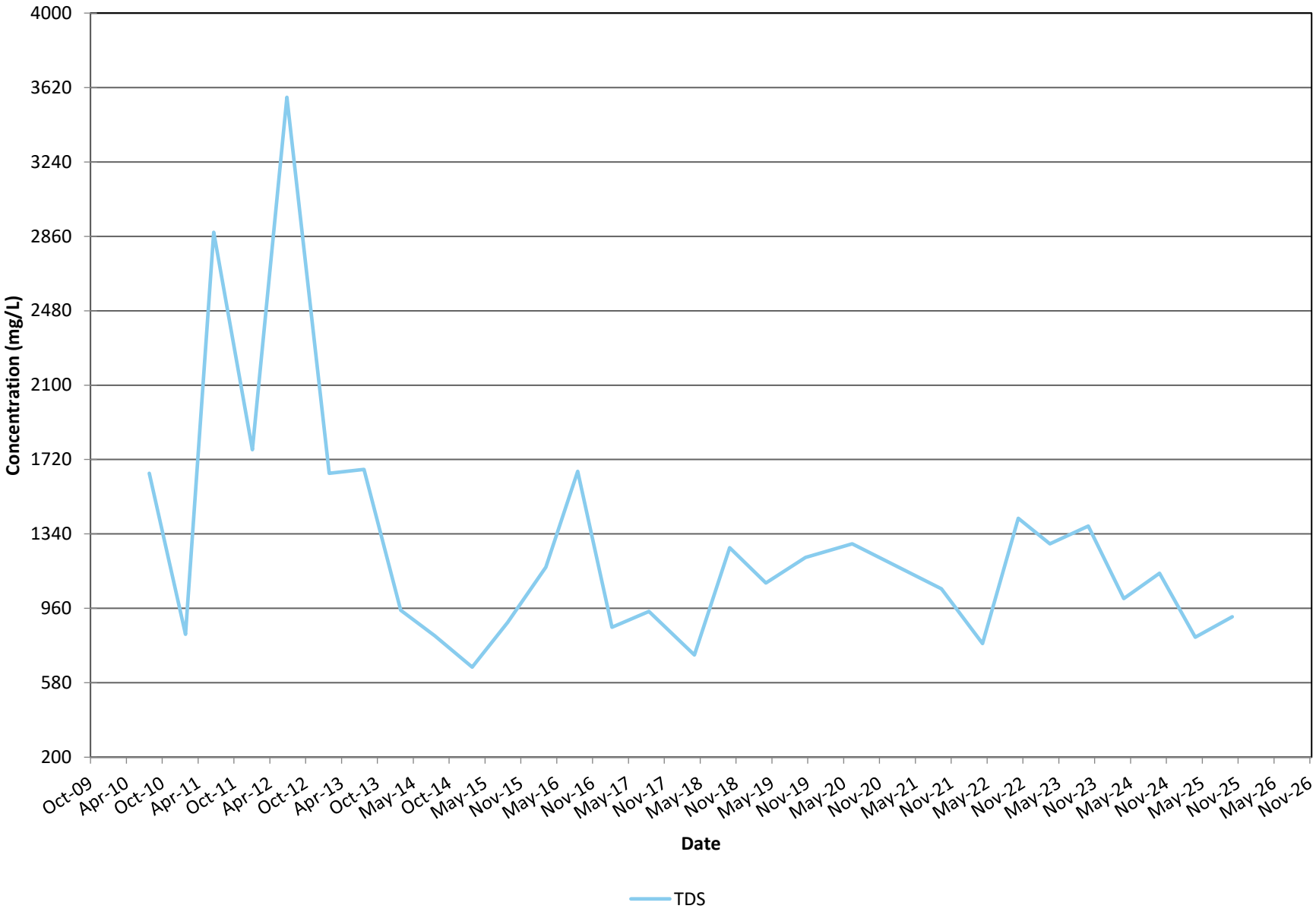


MW-18/MW-18R ANIONS CONCENTRATIONS OVER TIME

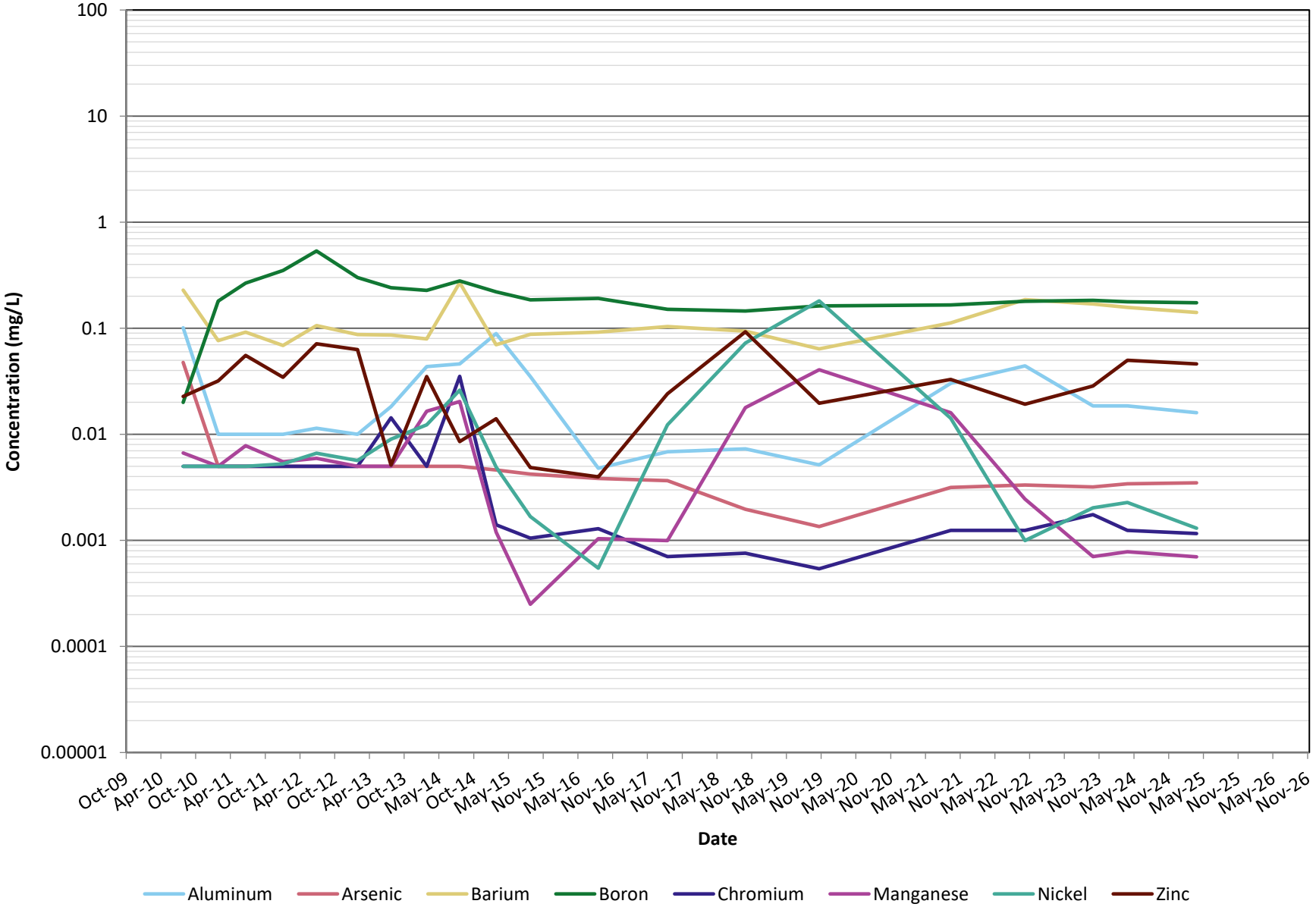


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

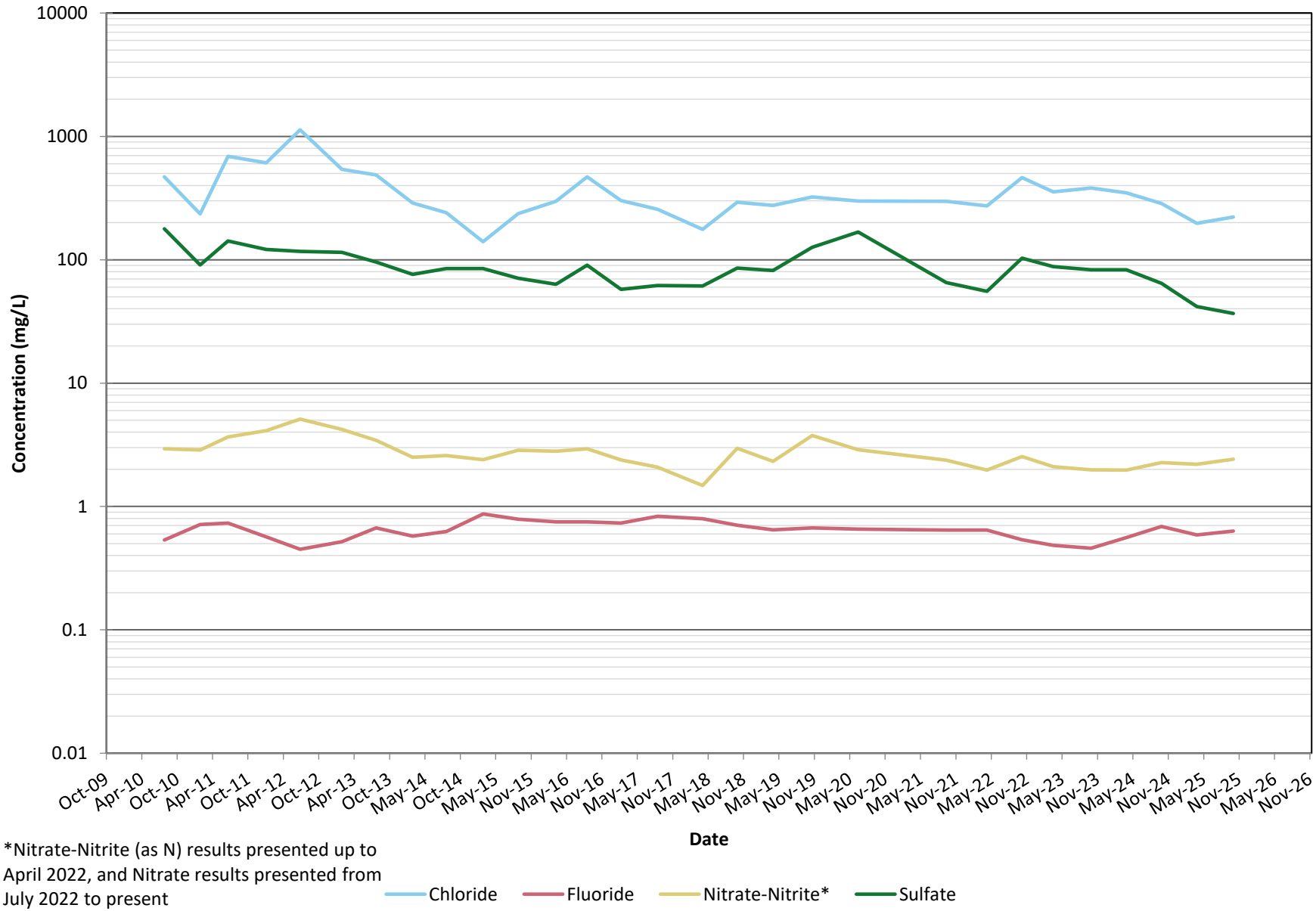
MW-19/MW-19R TDS CONCENTRATIONS OVER TIME



MW-19/MW-19R METALS CONCENTRATIONS OVER TIME



MW-19/MW-19R ANIONS CONCENTRATIONS OVER TIME



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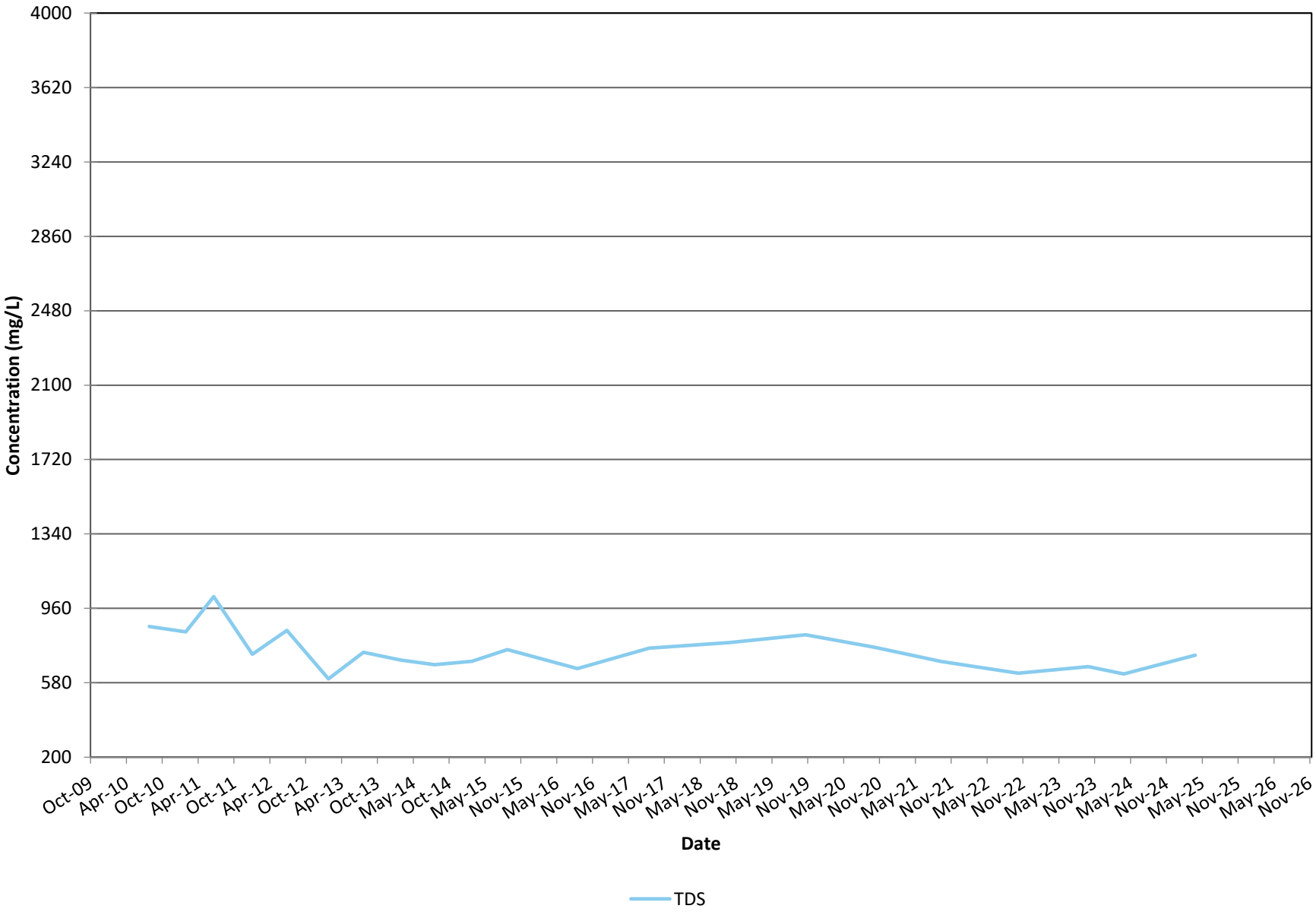
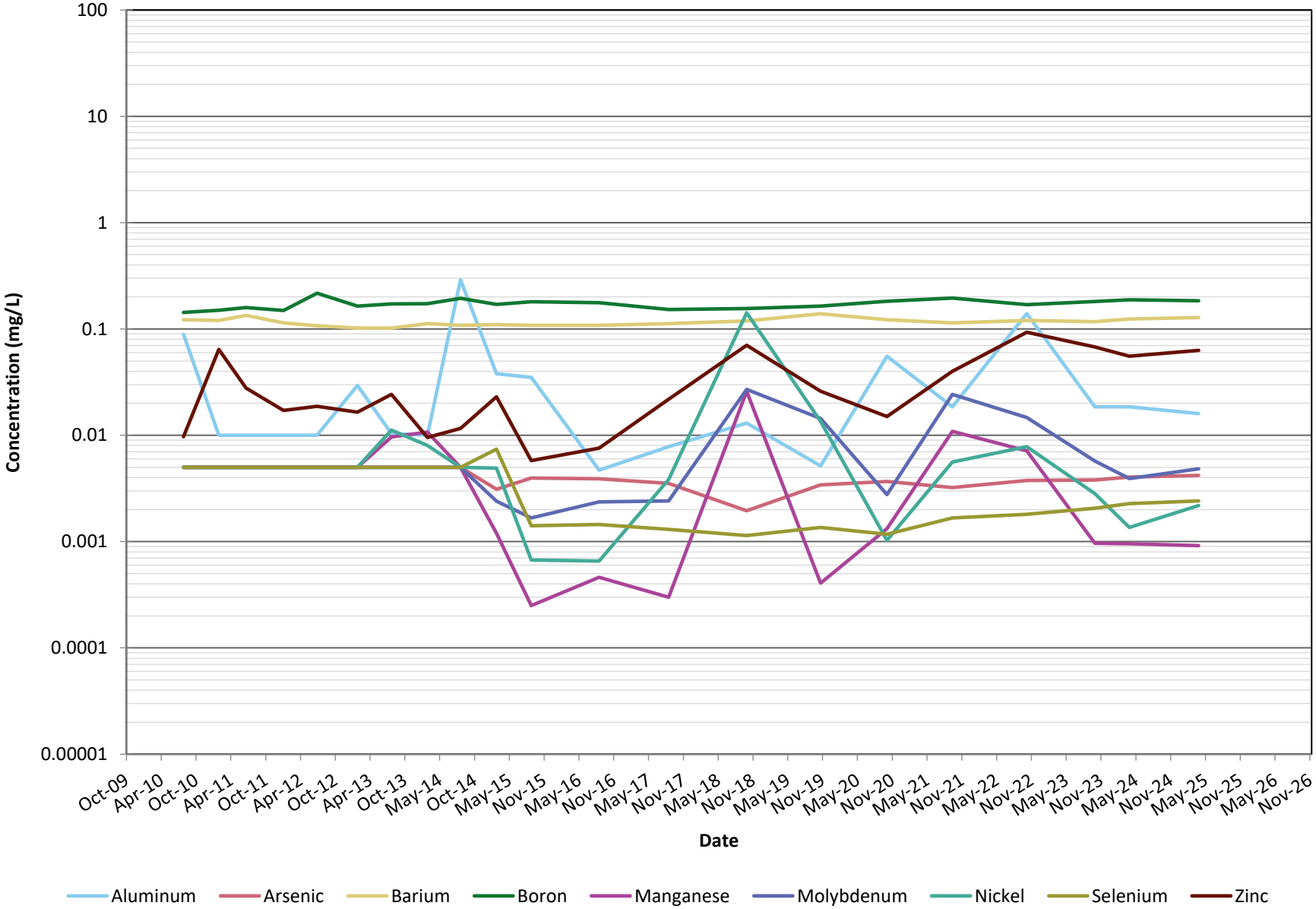
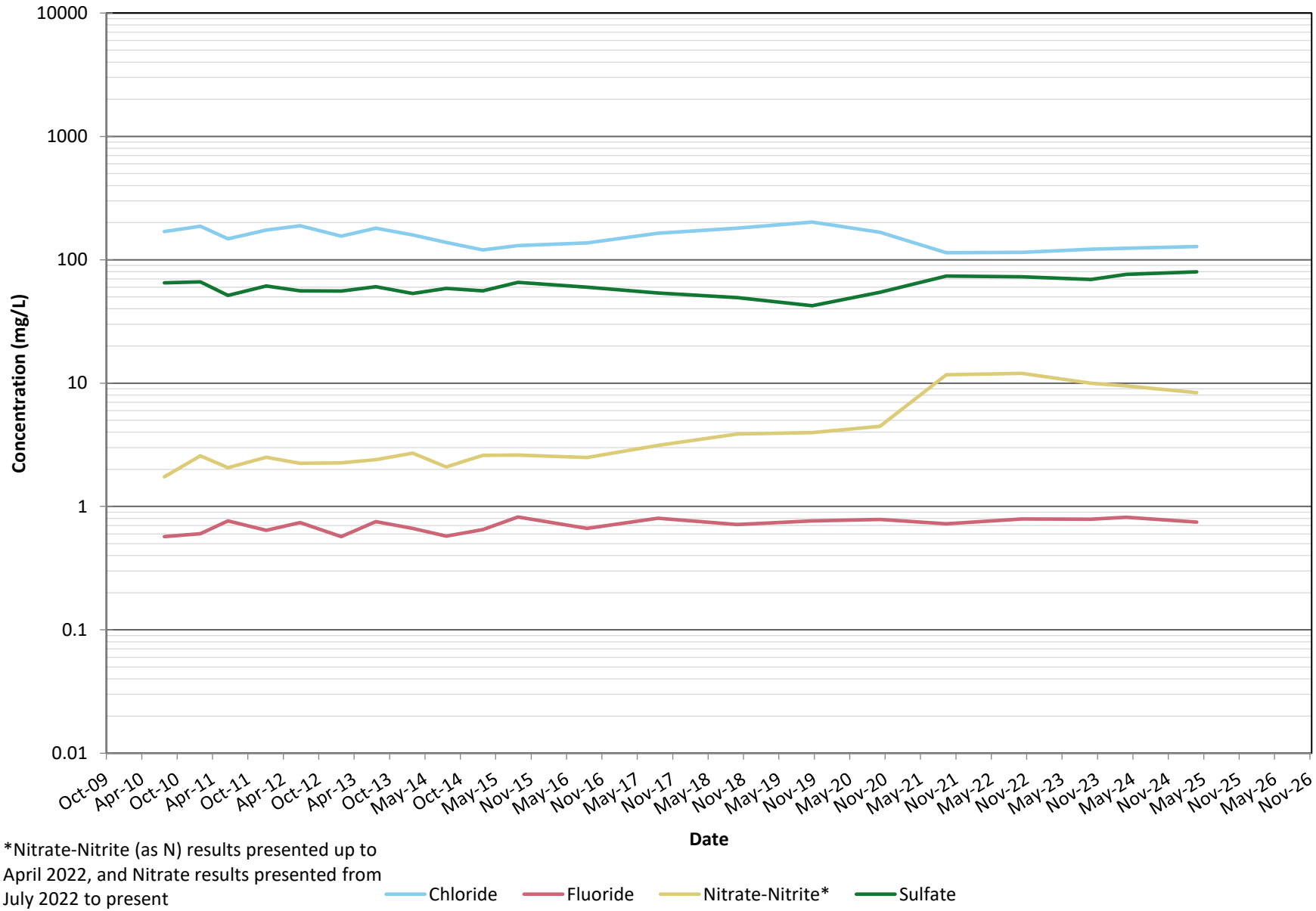
MW-20/MW-20R TDS CONCENTRATIONS OVER TIME



MW-20/MW-20R METALS CONCENTRATIONS OVER TIME



MW-20/MW-20R ANIONS CONCENTRATIONS OVER TIME



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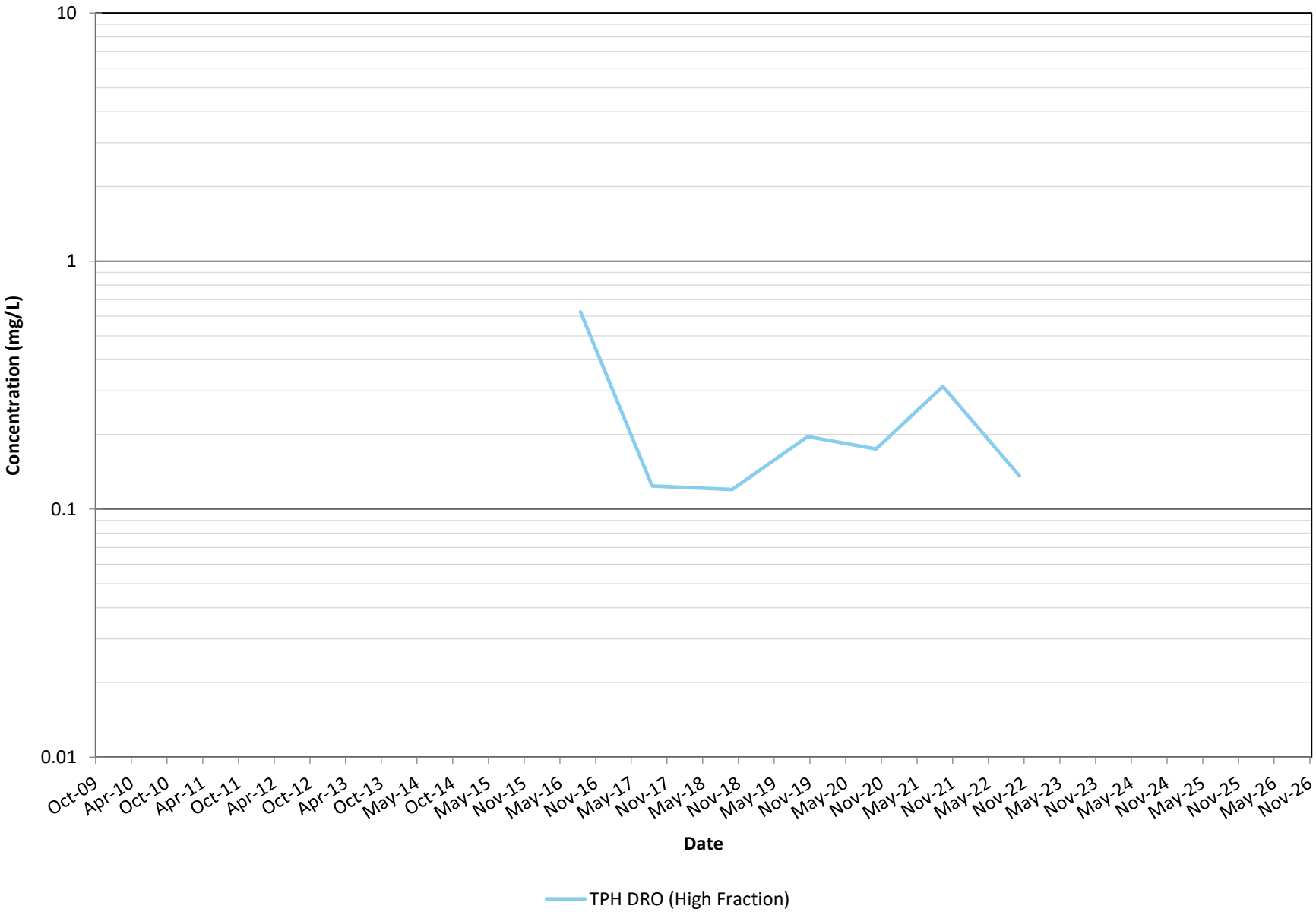
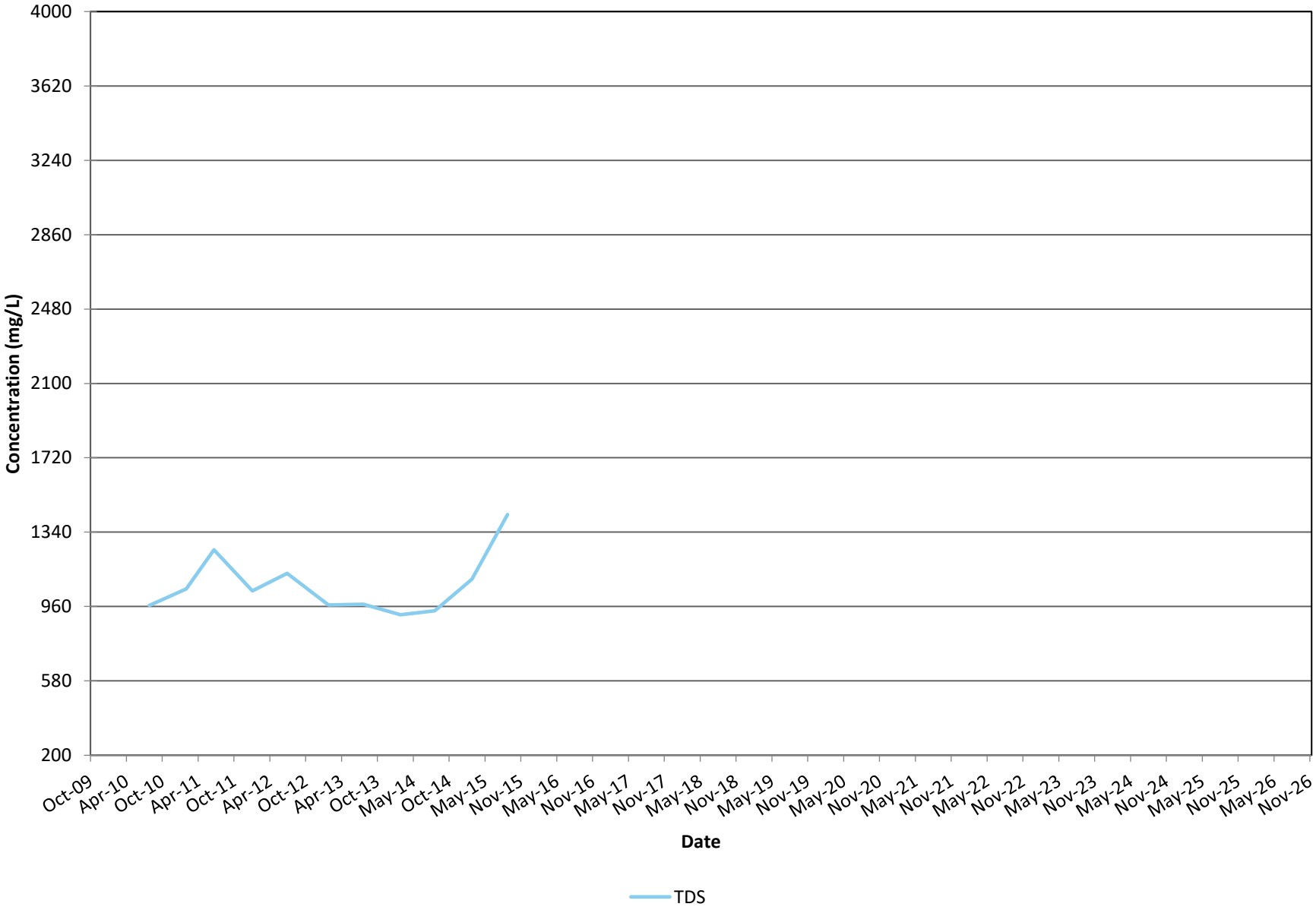
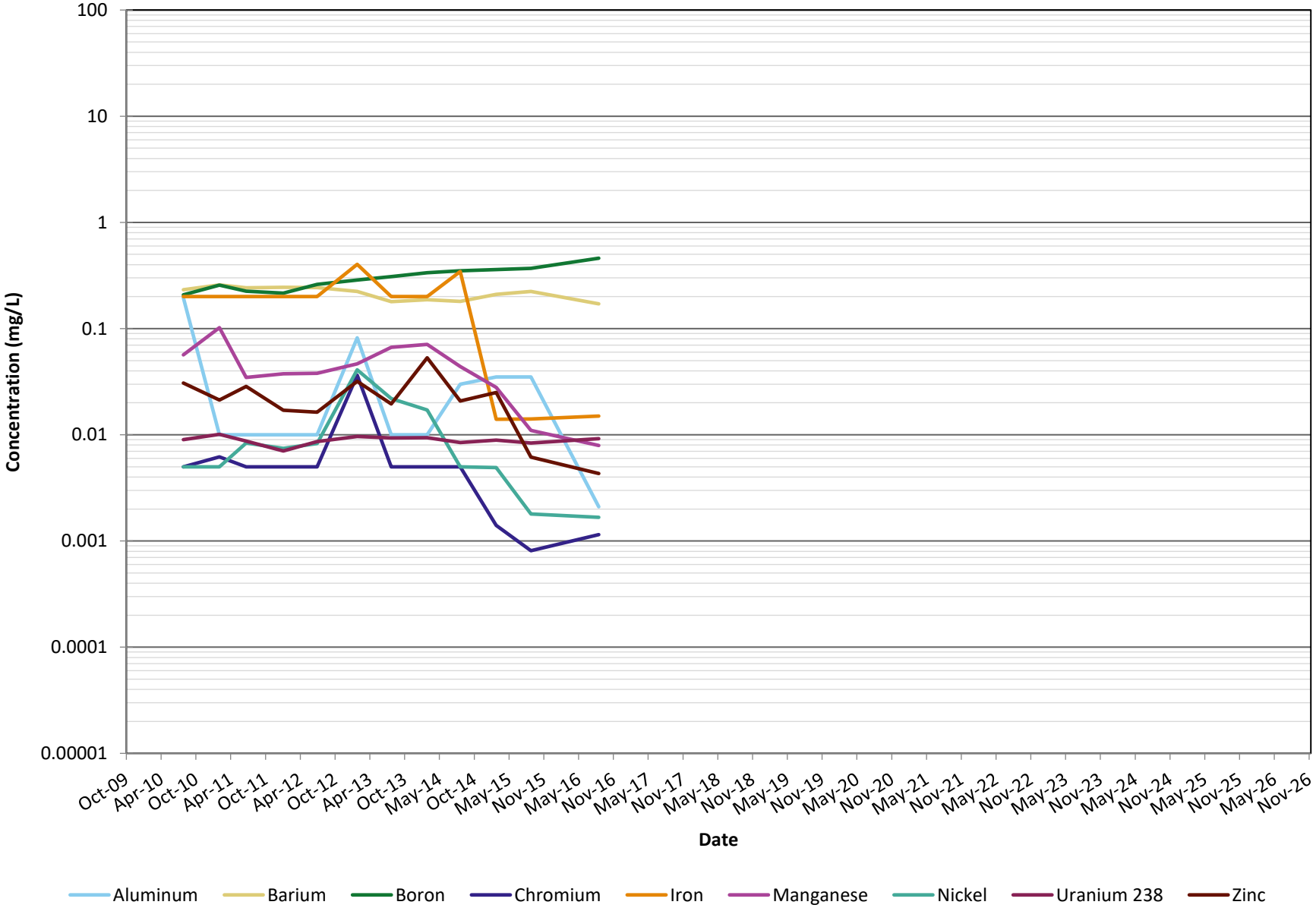
MW-21 TPH CONCENTRATIONS OVER TIME



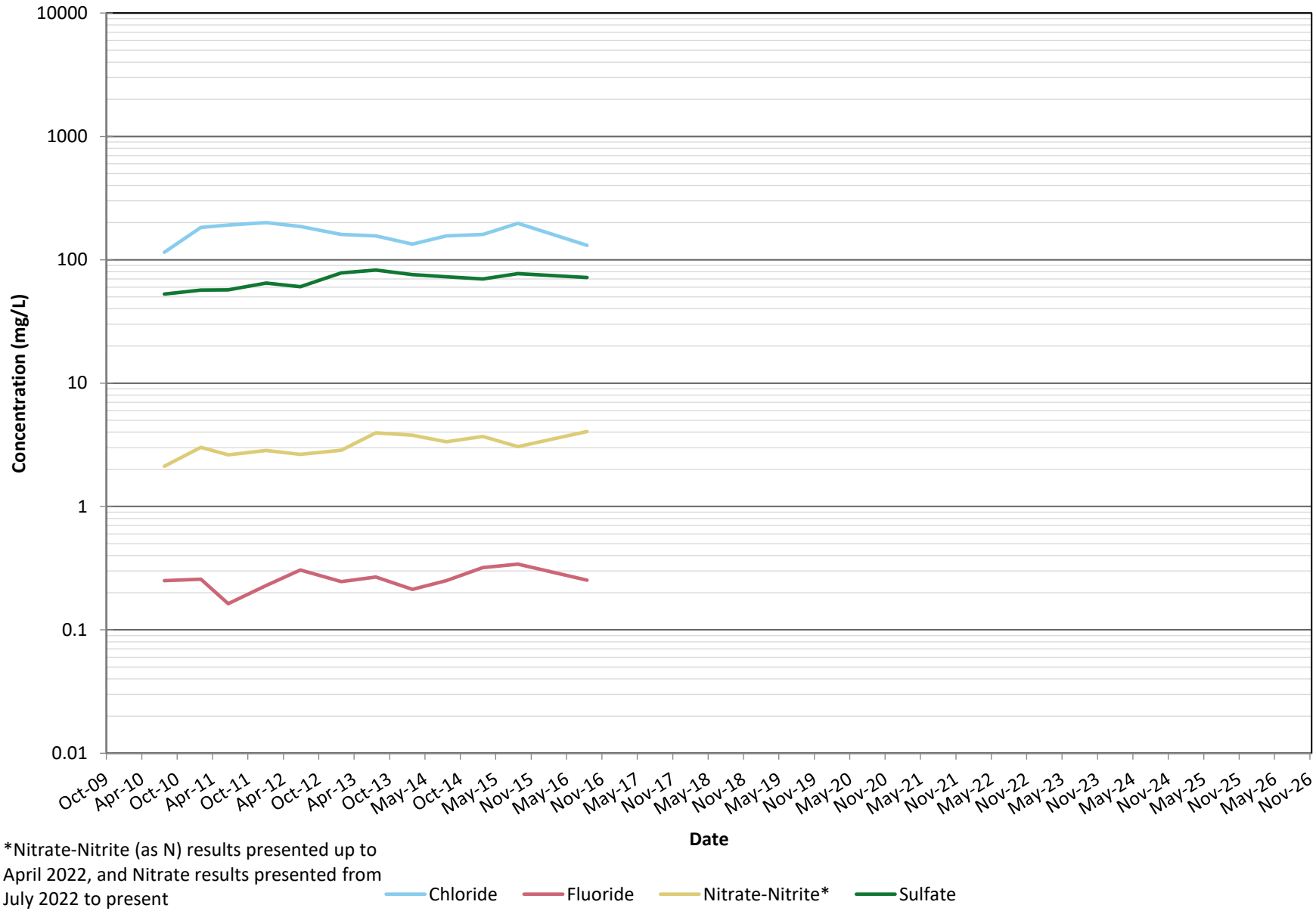
MW-21 TDS CONCENTRATIONS OVER TIME



MW-21 METALS CONCENTRATIONS OVER TIME



MW-21 ANIONS CONCENTRATIONS OVER TIME



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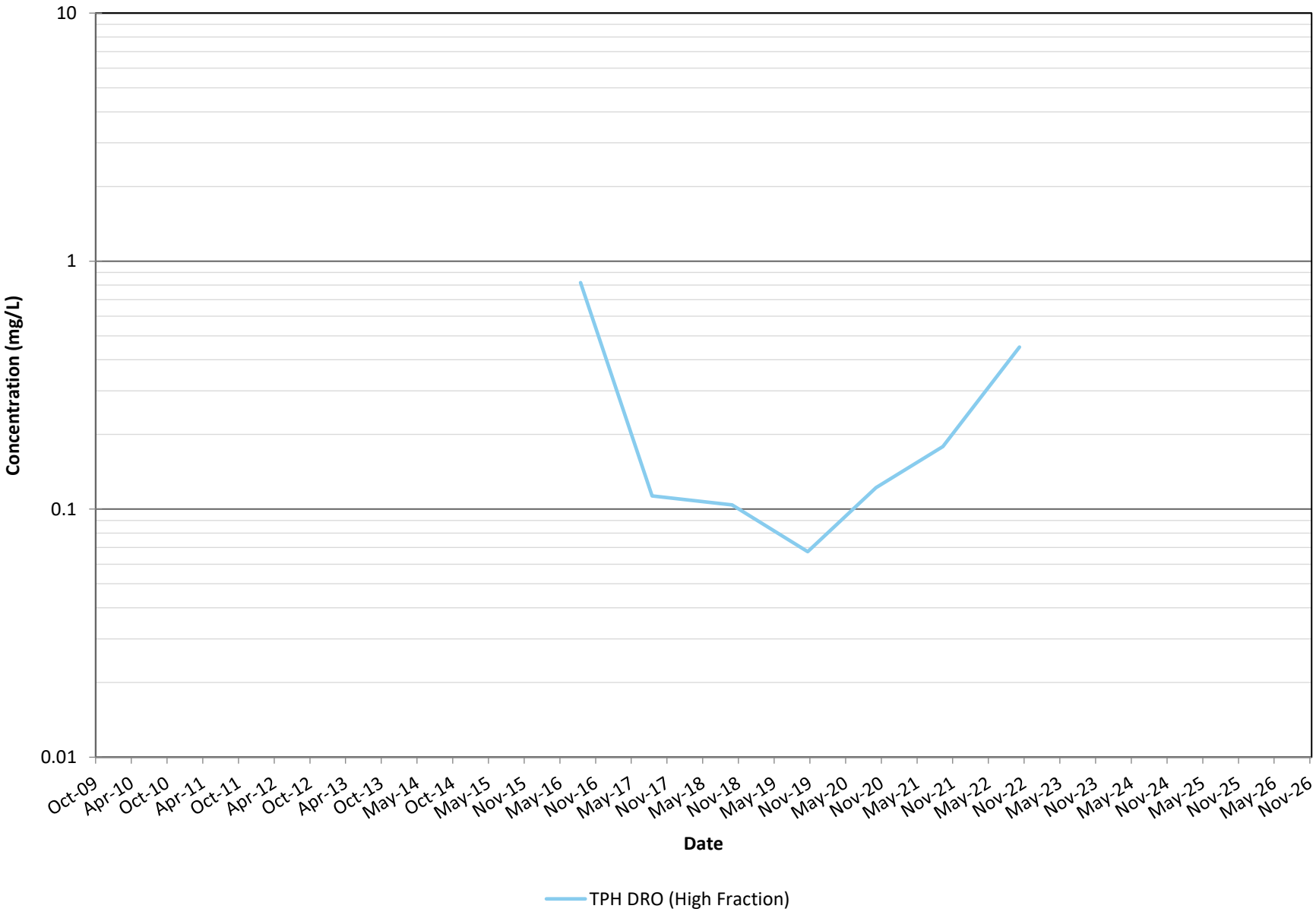
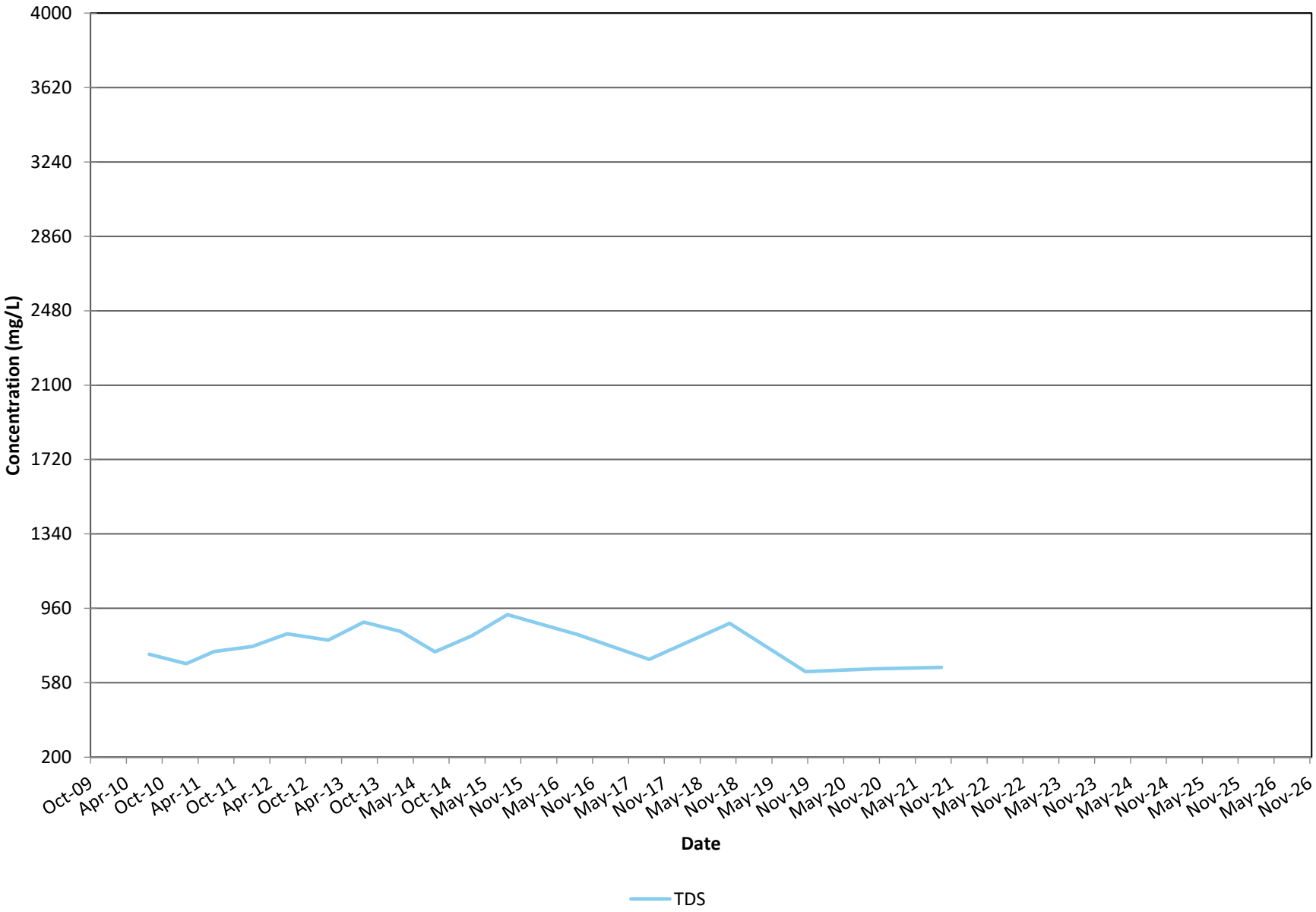
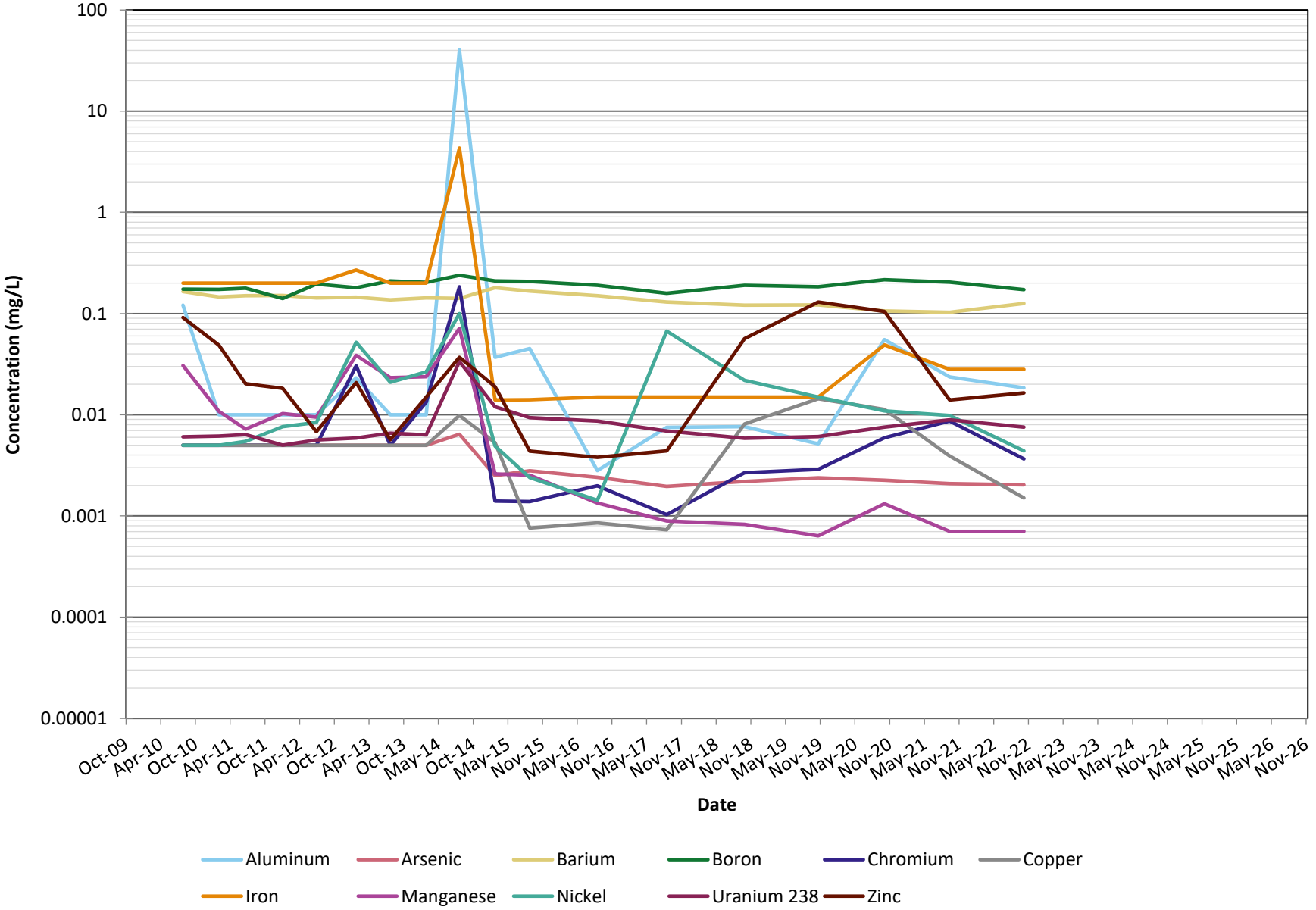
MW-22 TPH CONCENTRATIONS OVER TIME



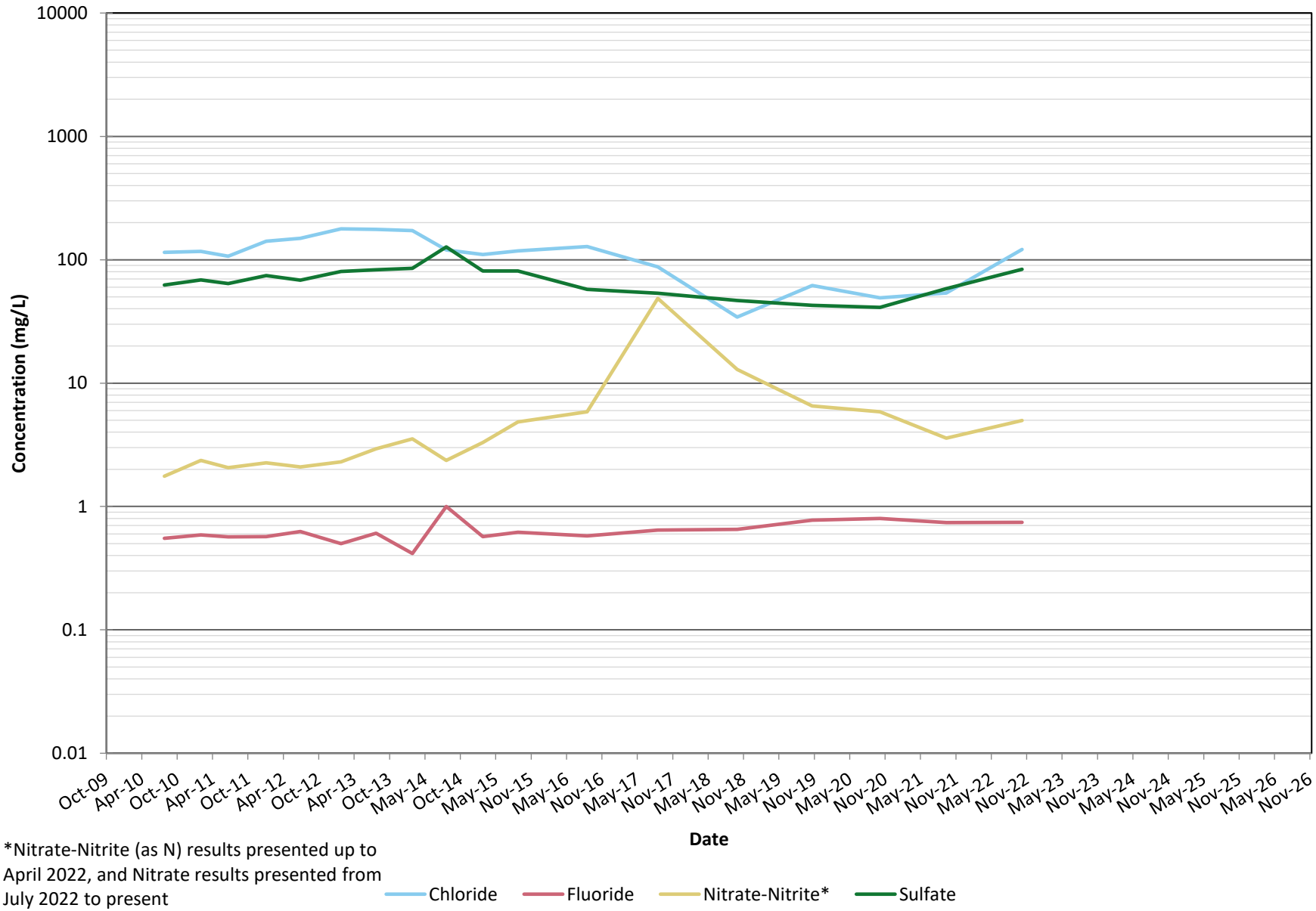
MW-22 TDS CONCENTRATIONS OVER TIME



MW-22 METALS CONCENTRATIONS OVER TIME



MW-22 ANIONS CONCENTRATIONS OVER TIME



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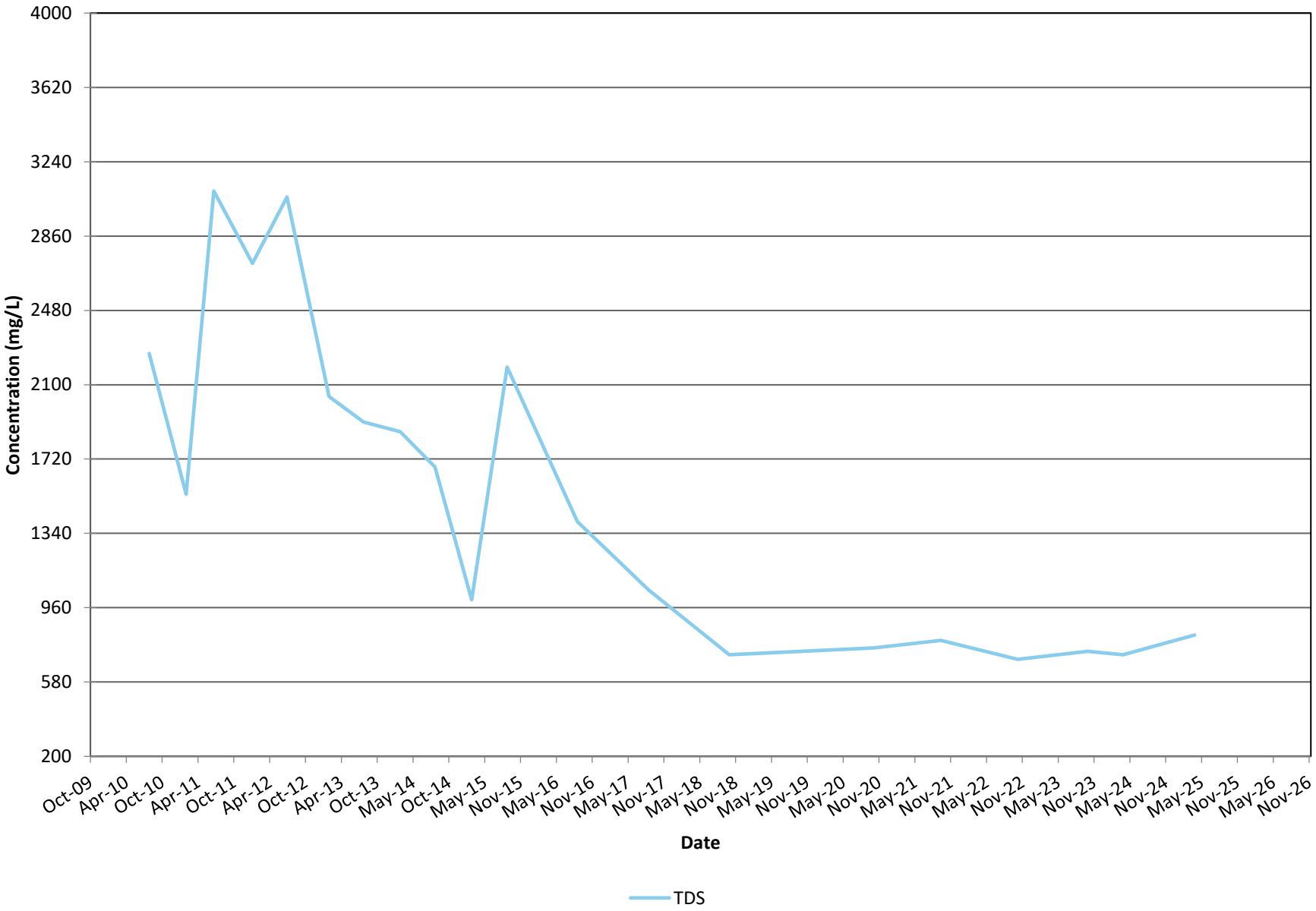
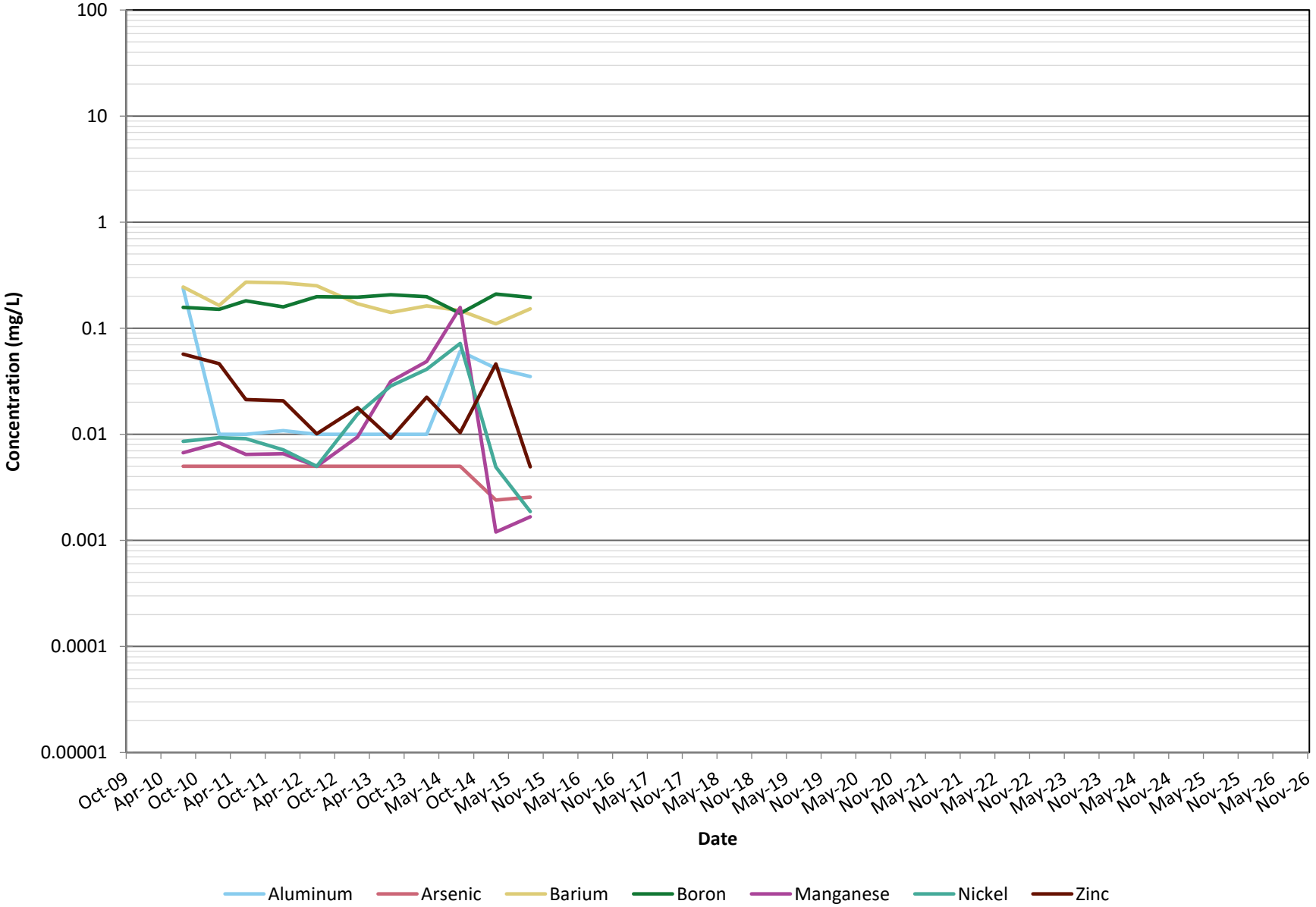
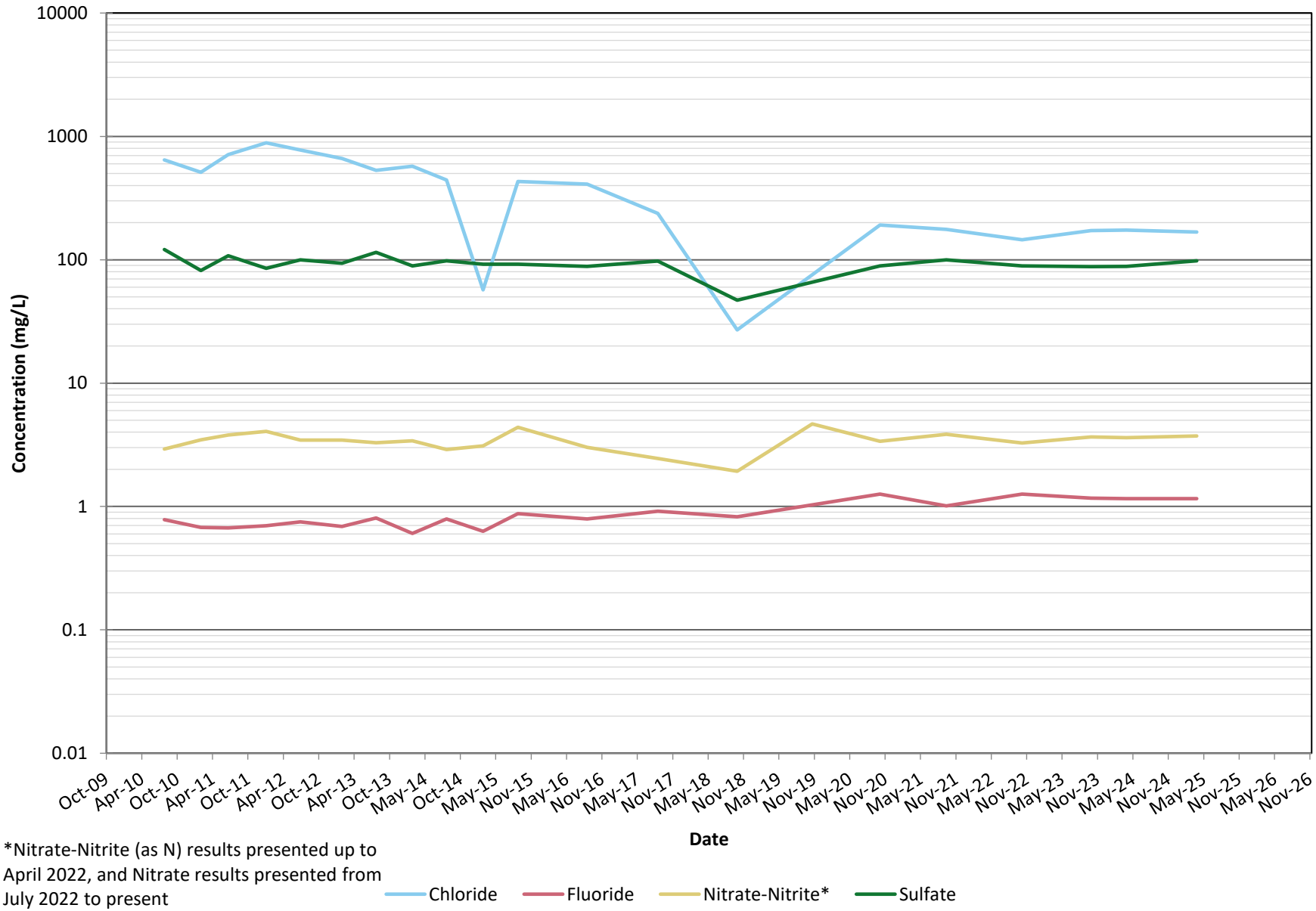
MW-23/MW-23R TDS CONCENTRATIONS OVER TIME



MW-23/MW-23R METALS CONCENTRATIONS OVER TIME



MW-23/MW-23R ANIONS CONCENTRATIONS OVER TIME



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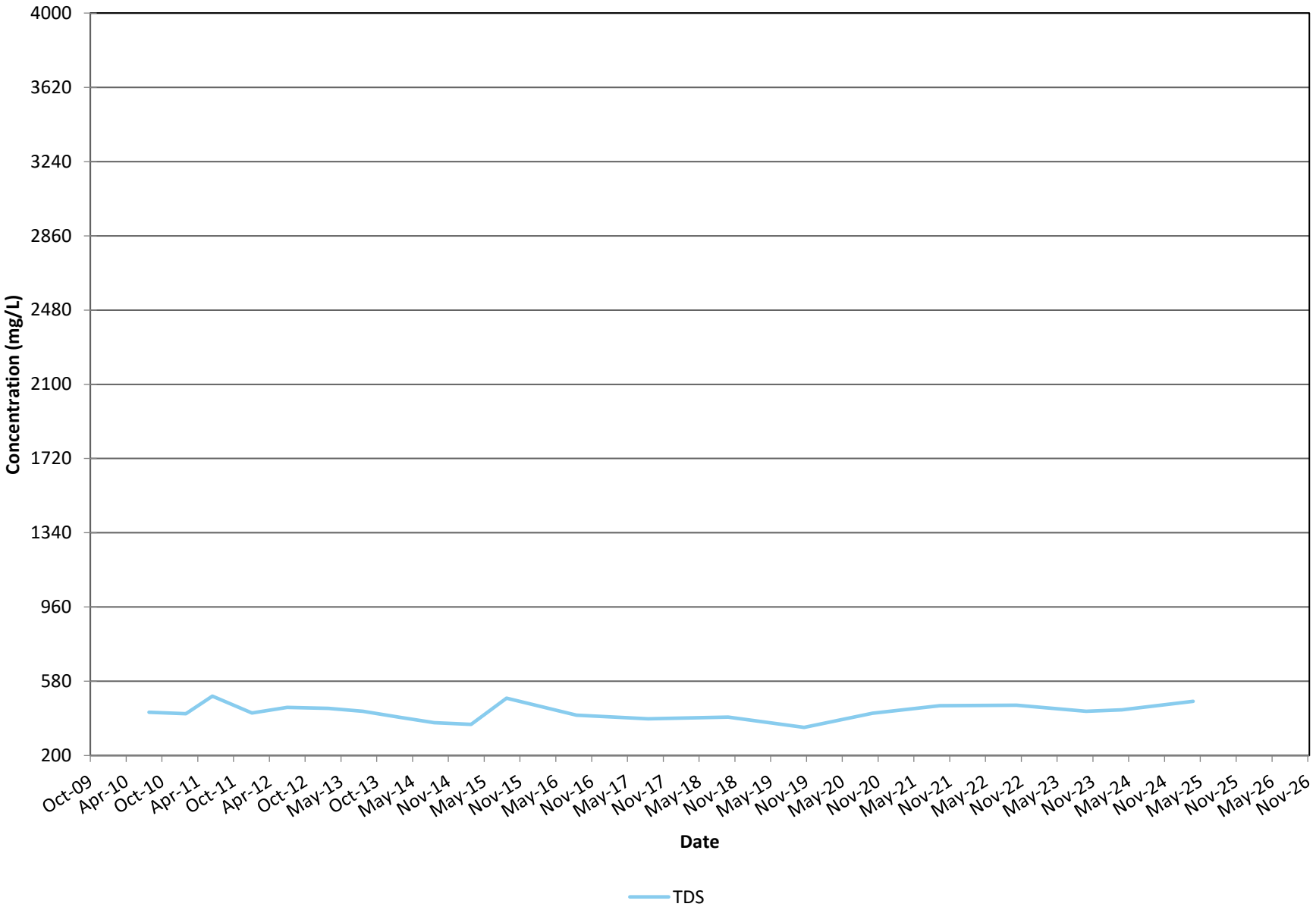
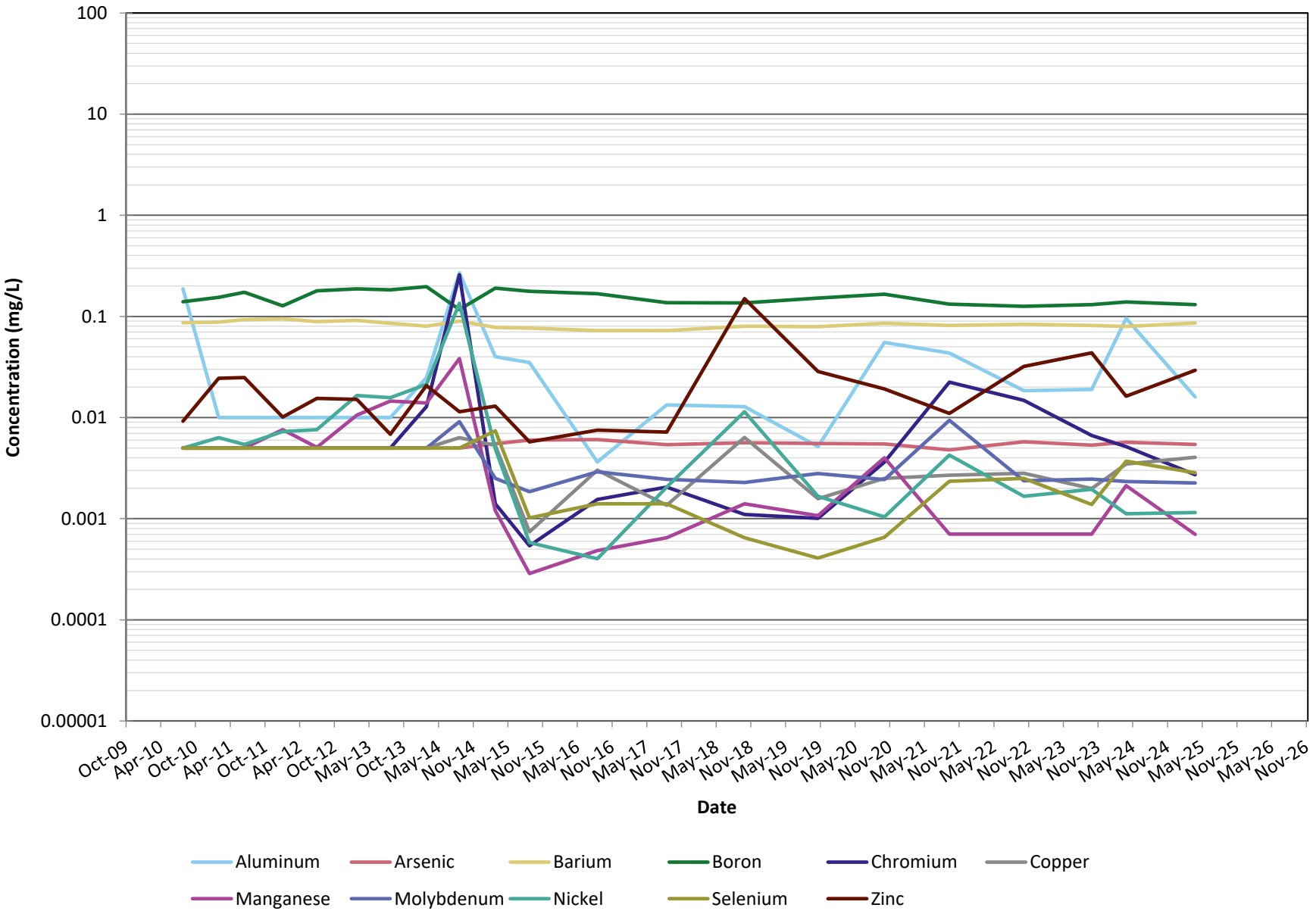
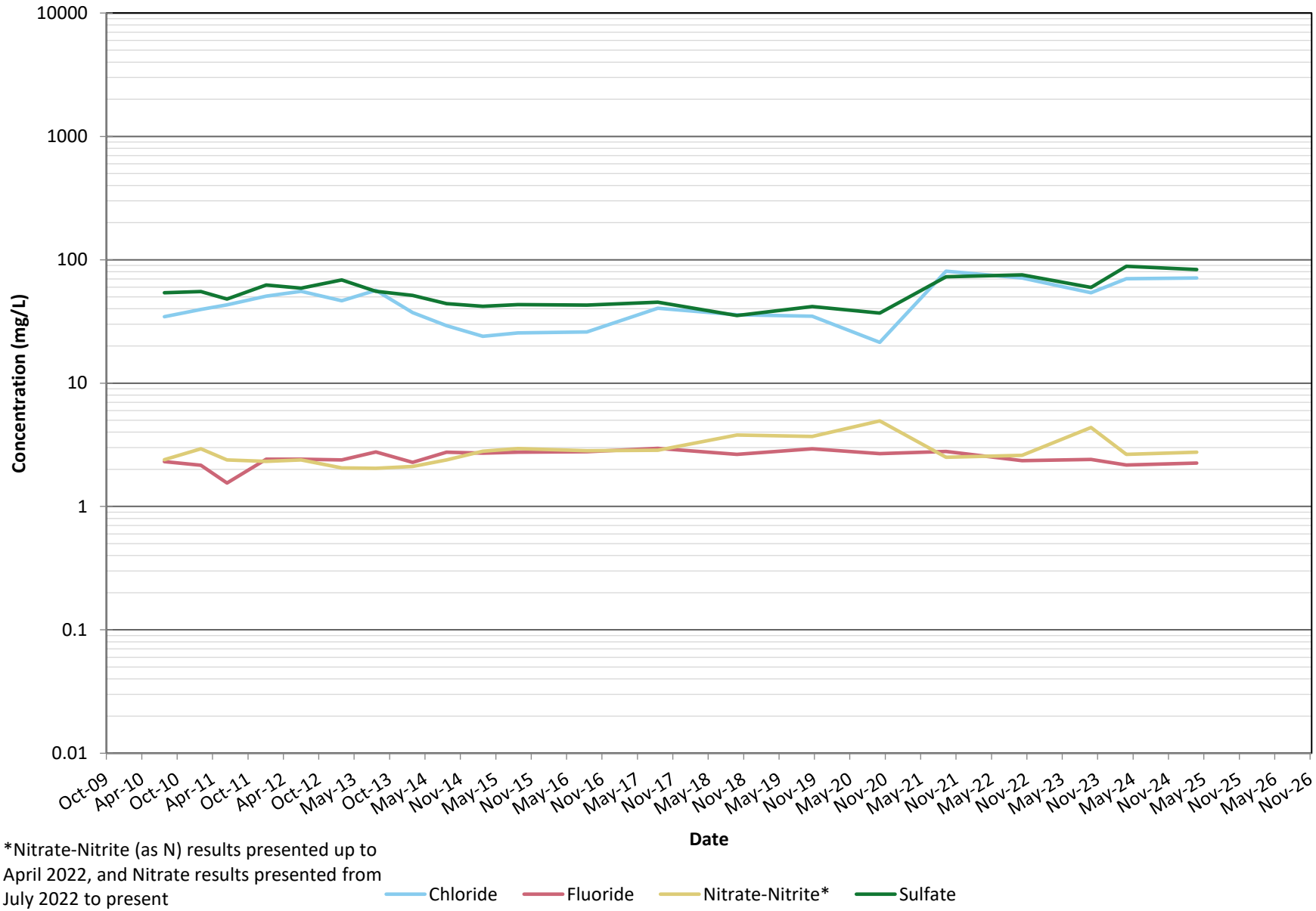
MW-24/MW-24R TDS CONCENTRATIONS OVER TIME



MW-24/MW-24R METALS CONCENTRATIONS OVER TIME

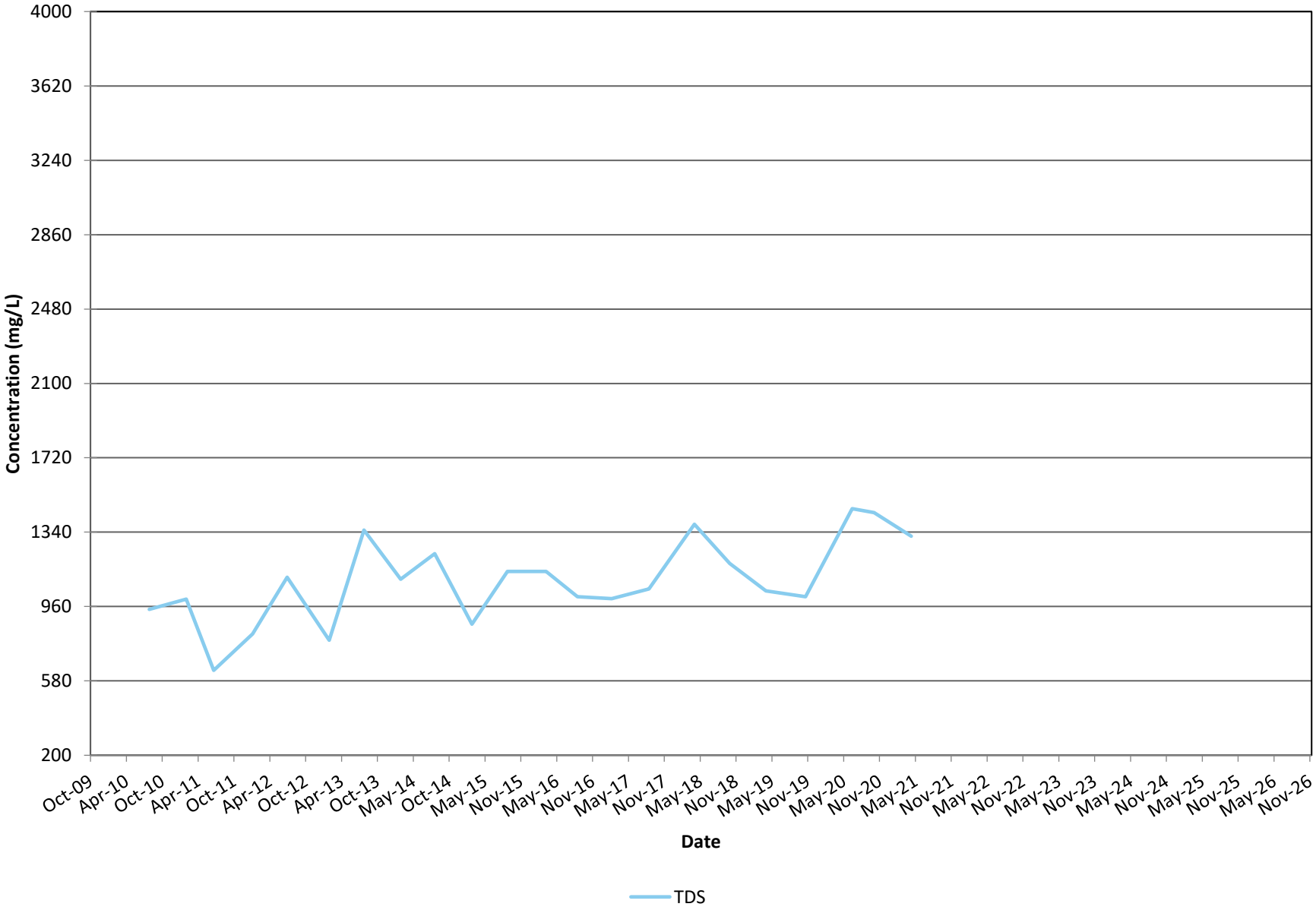


MW-24/MW-24R ANIONS CONCENTRATIONS OVER TIME

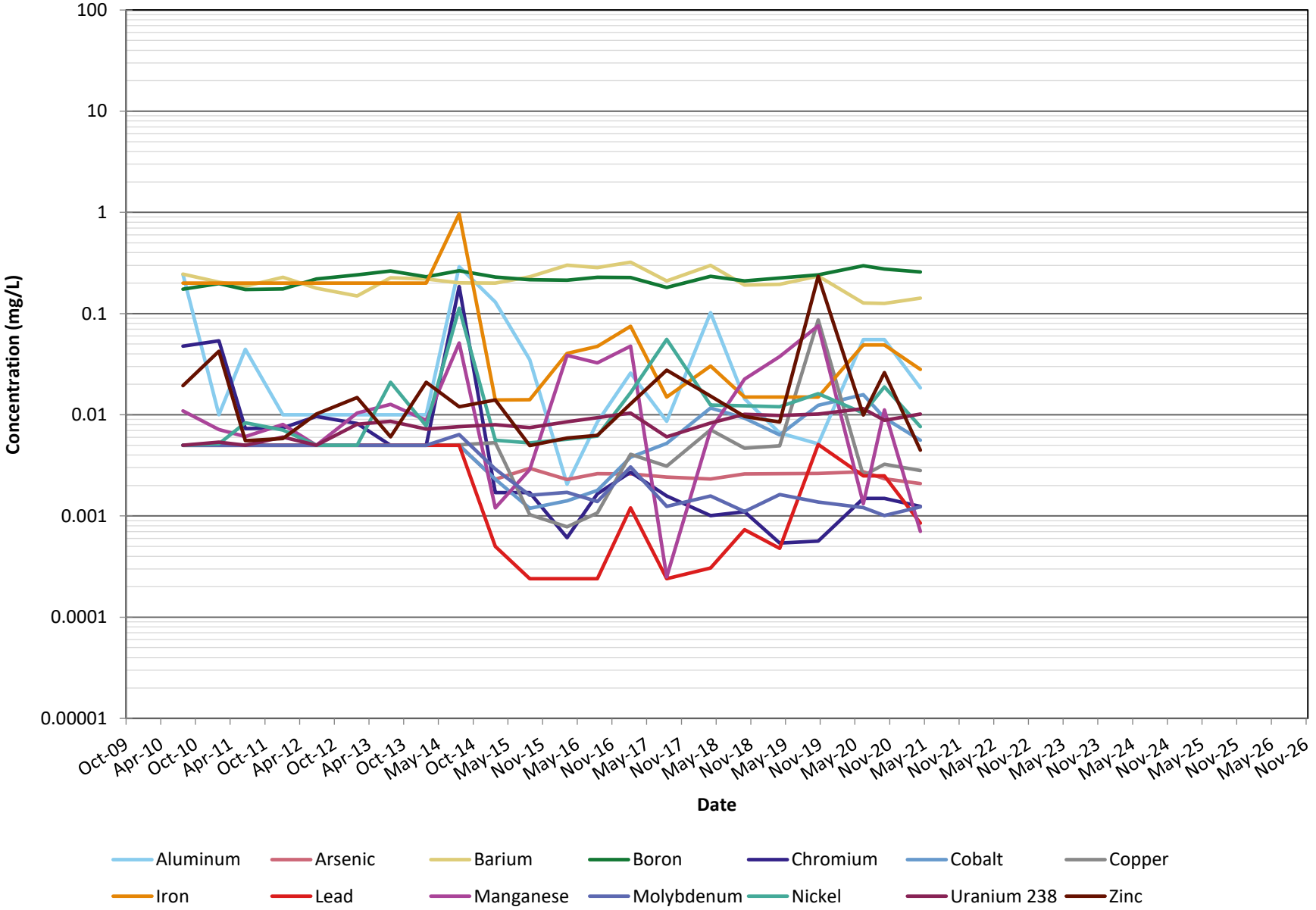


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

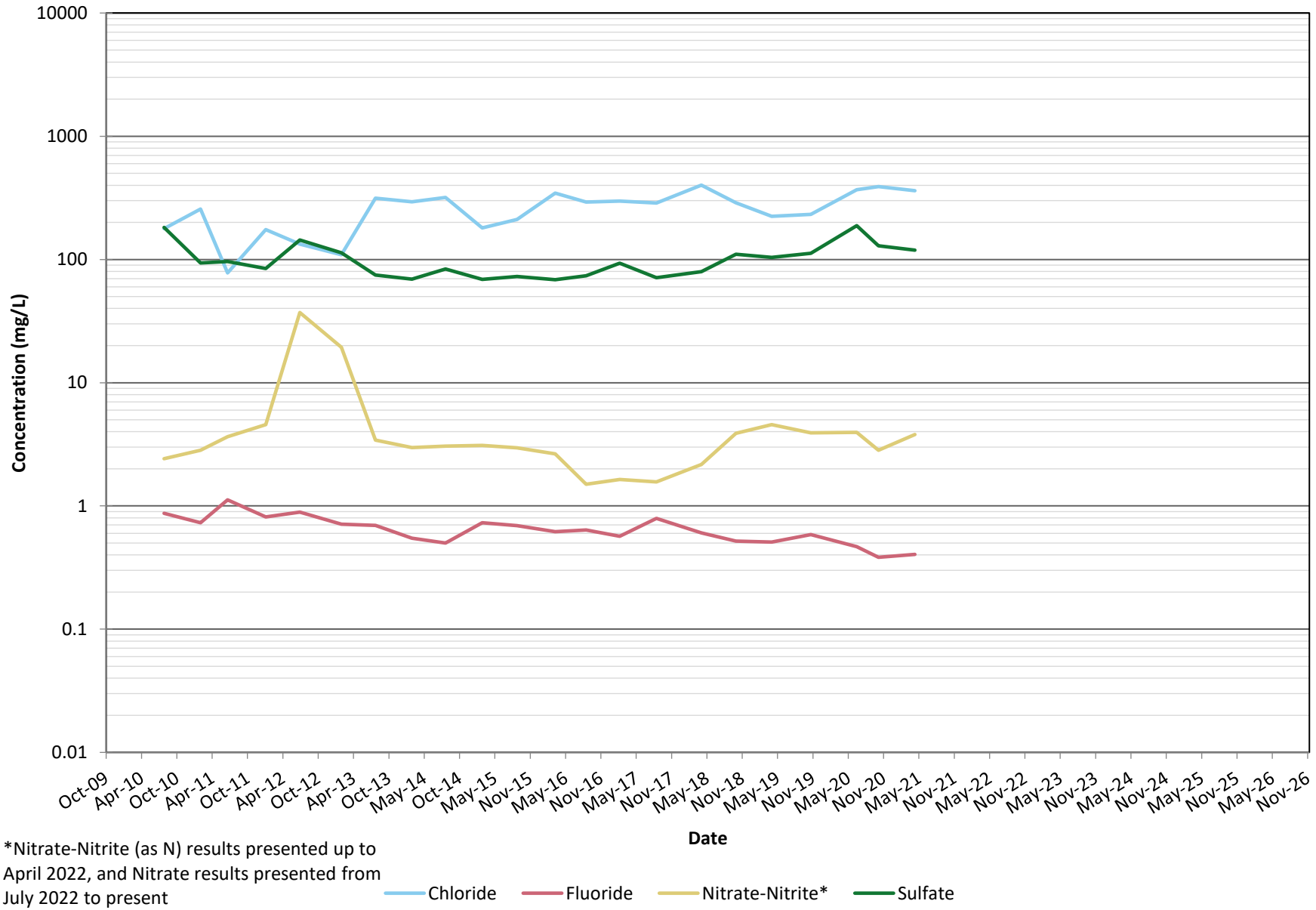
MW-25 TDS CONCENTRATIONS OVER TIME



MW-25 METALS CONCENTRATIONS OVER TIME

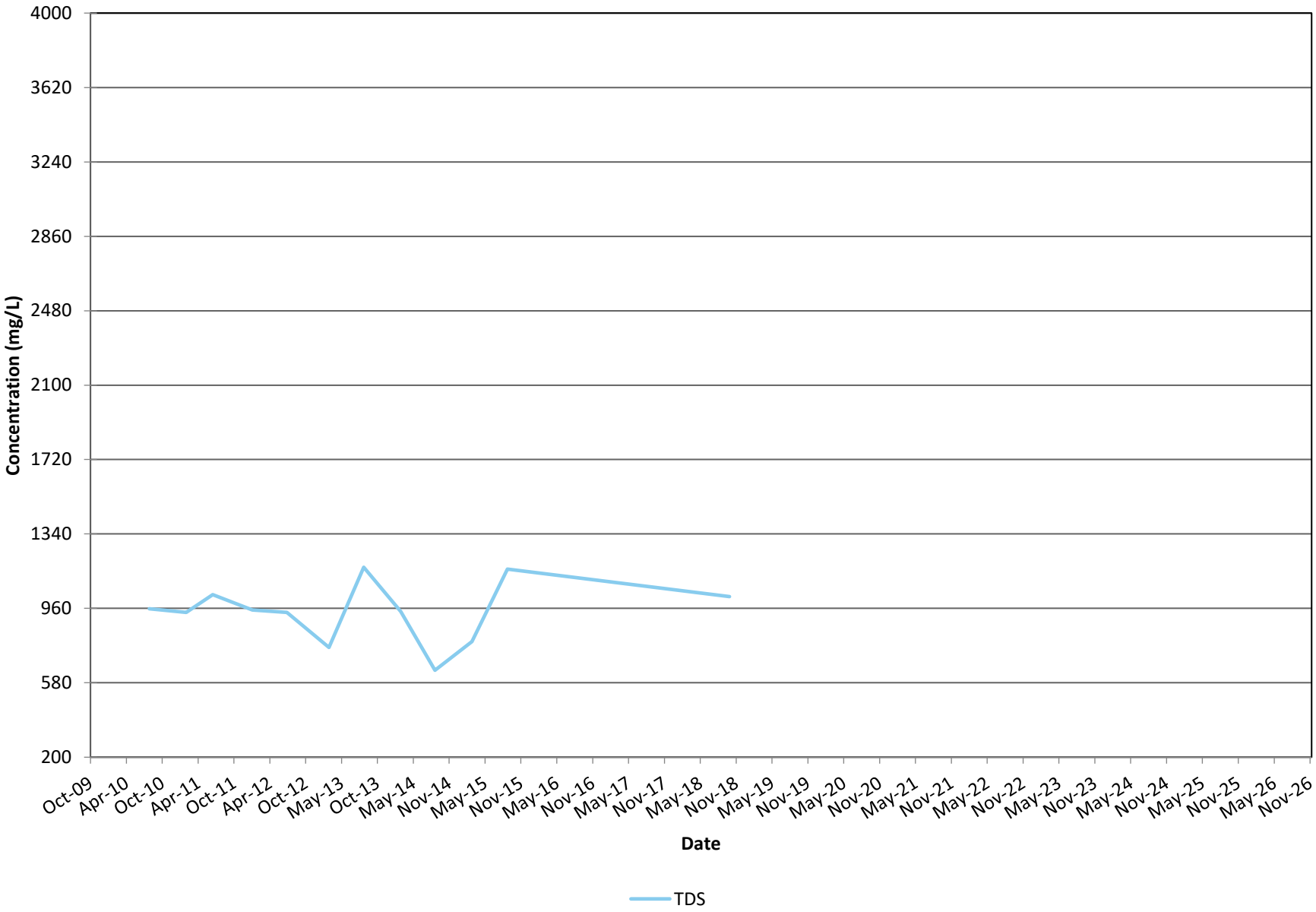


MW-25 ANIONS CONCENTRATIONS OVER TIME

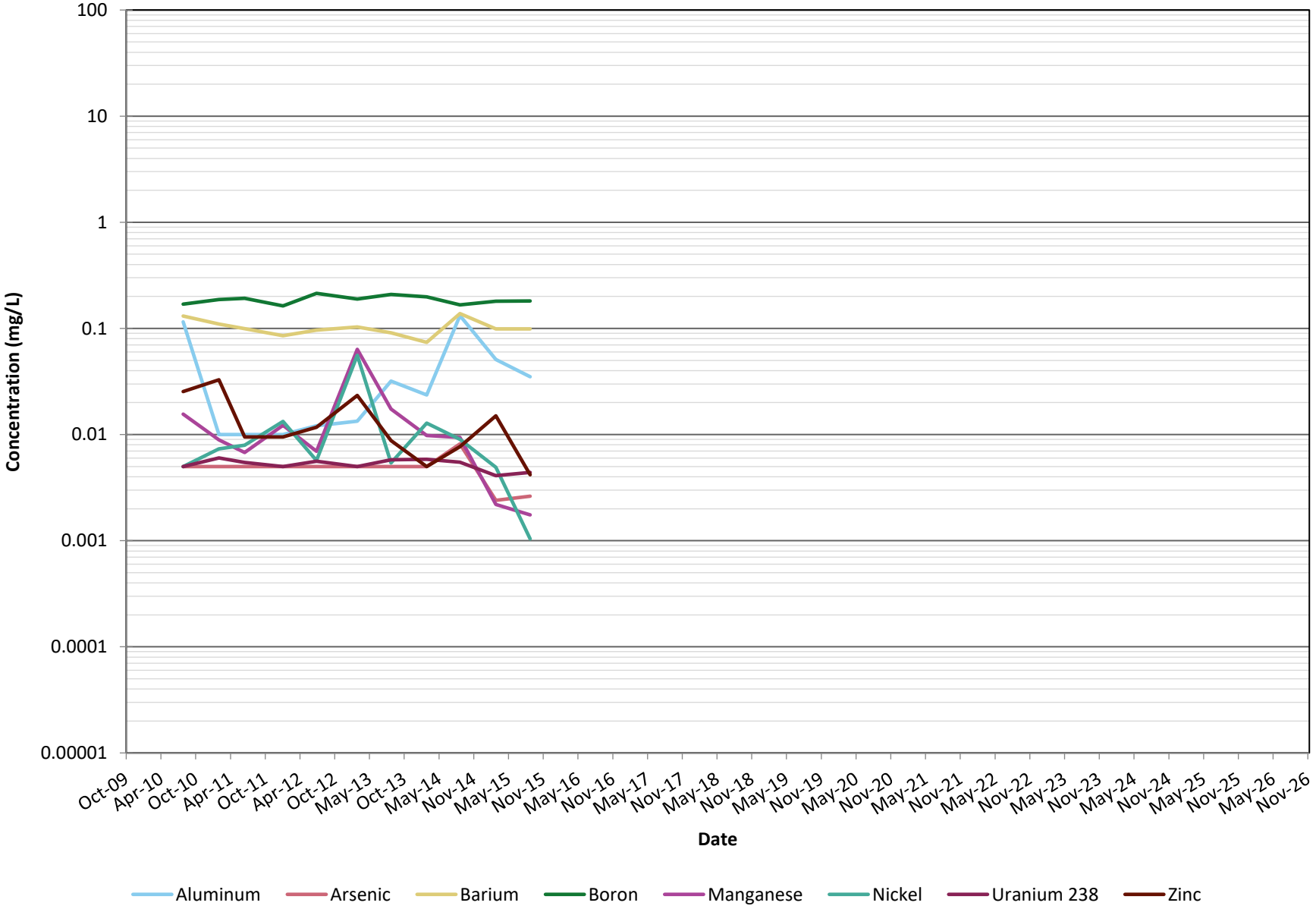


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

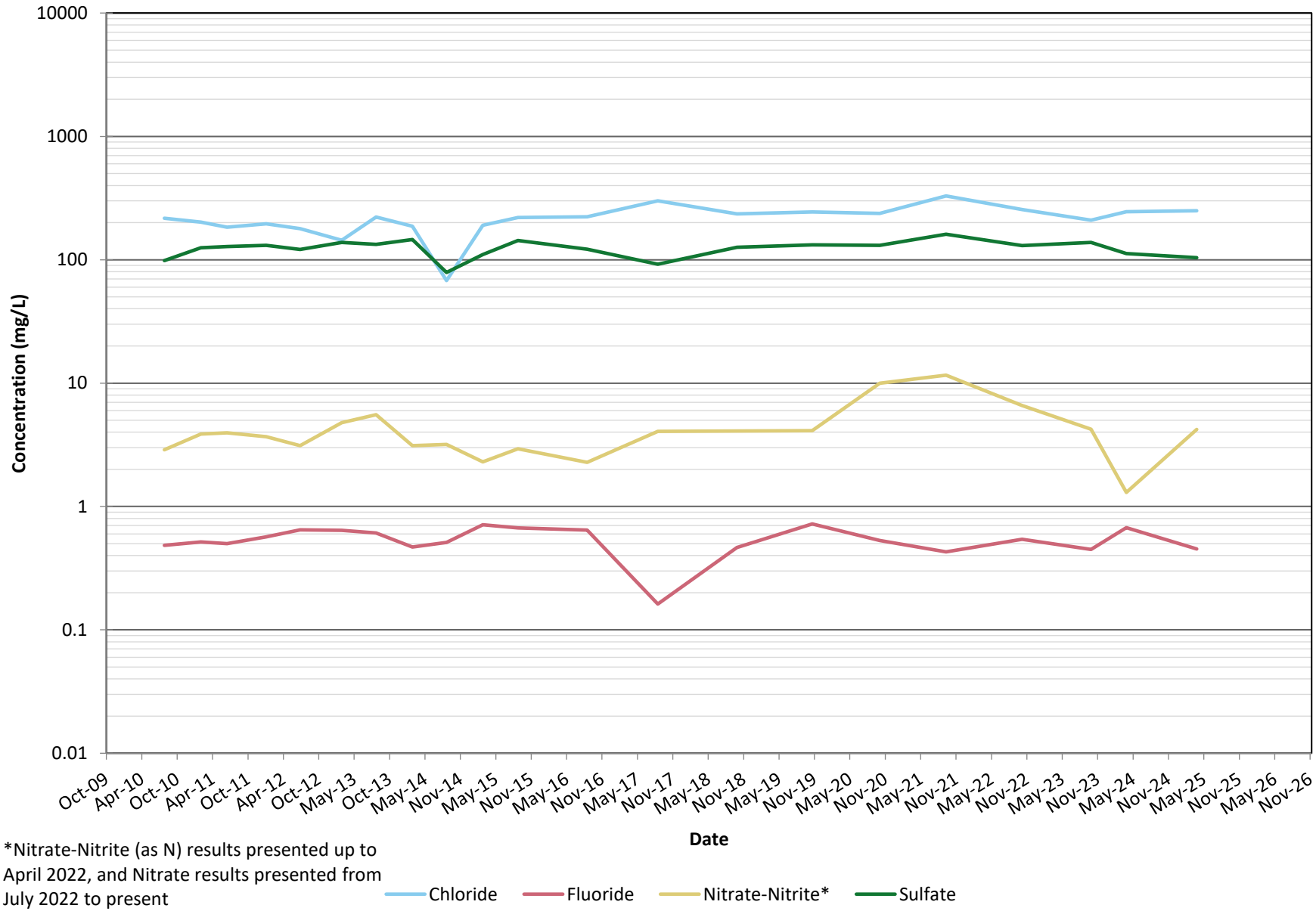
MW-26/MW-26R TDS CONCENTRATIONS OVER TIME



MW-26/MW-26R METALS CONCENTRATIONS OVER TIME

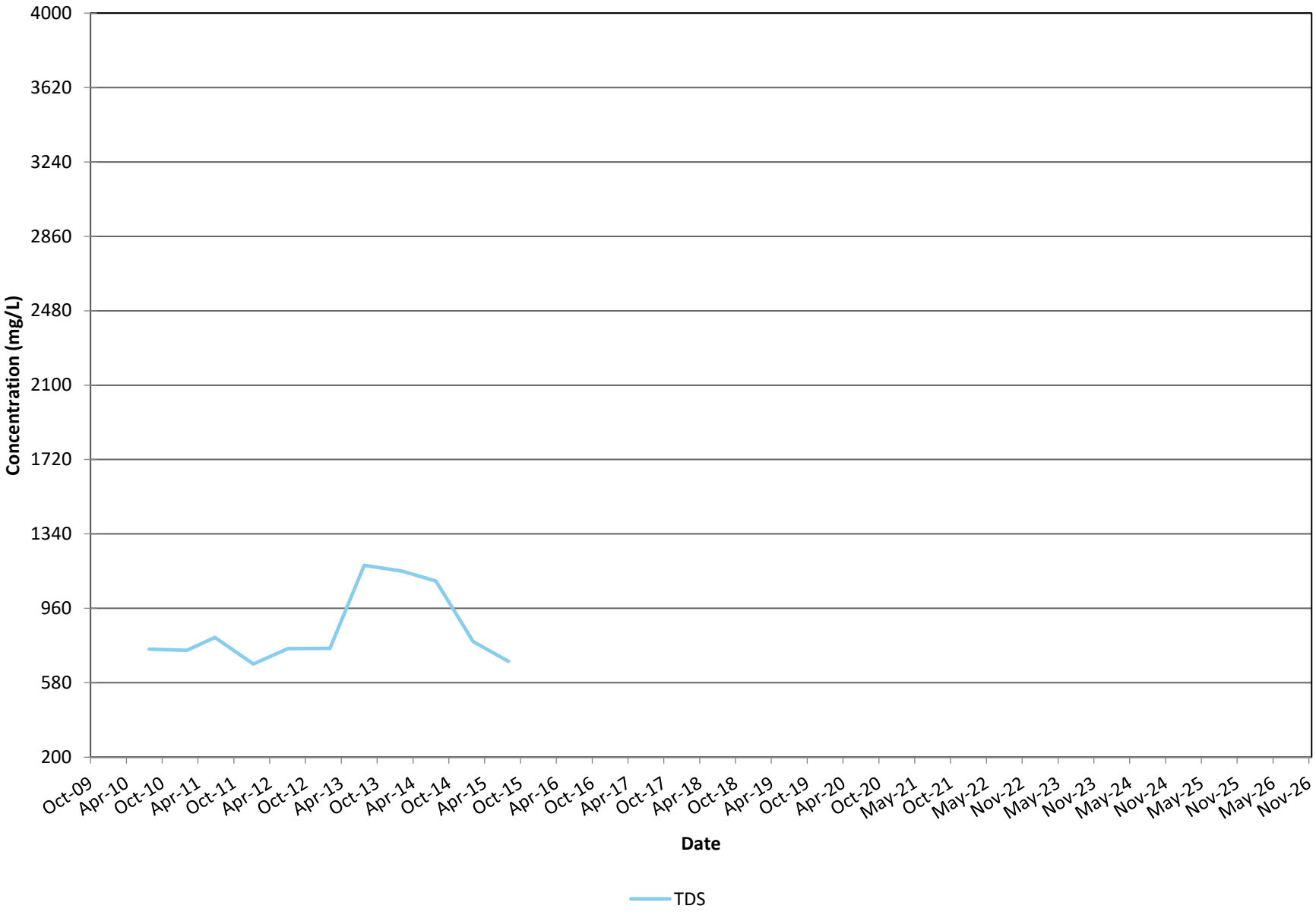


MW-26/MW-26R ANIONS CONCENTRATIONS OVER TIME

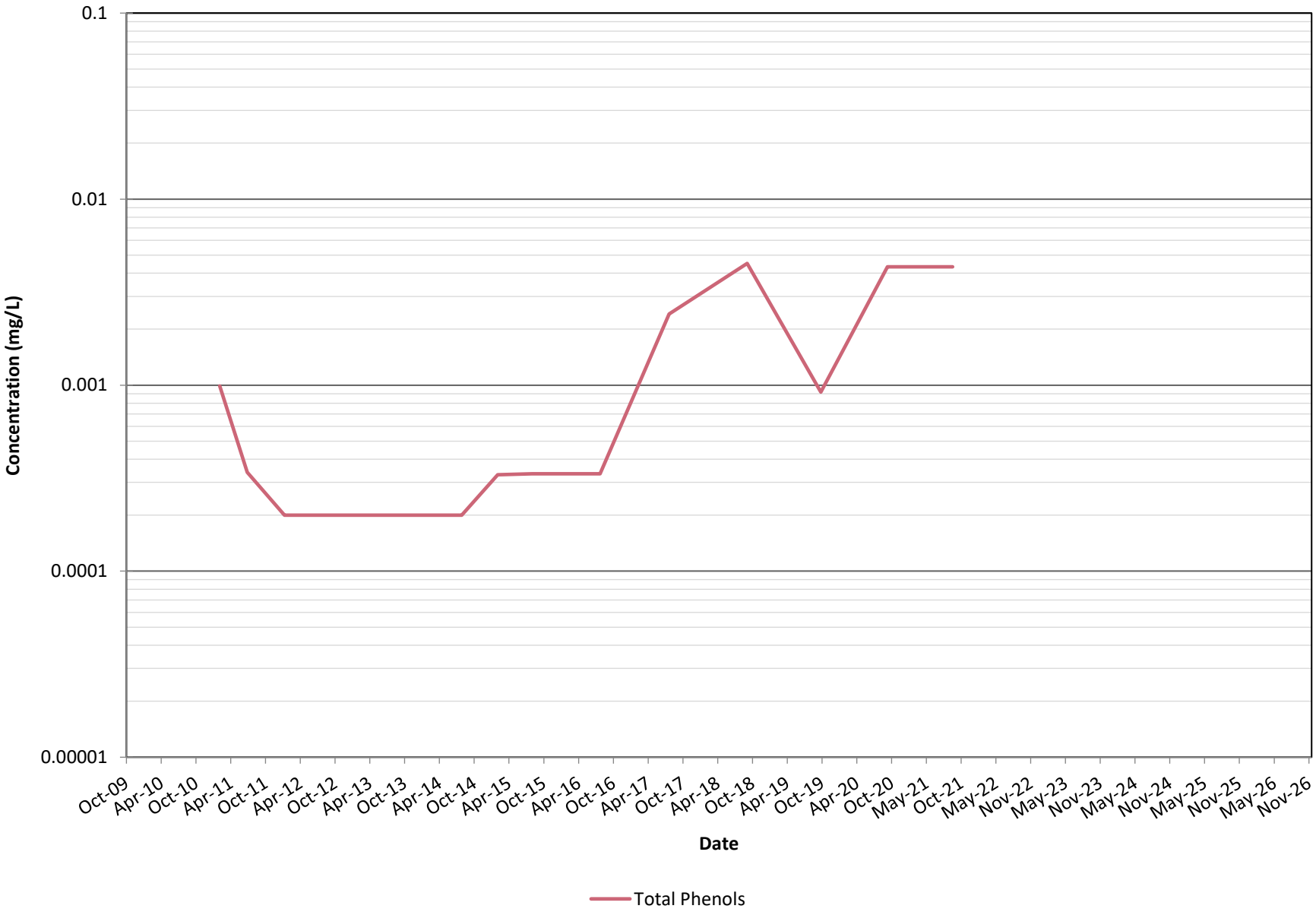


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

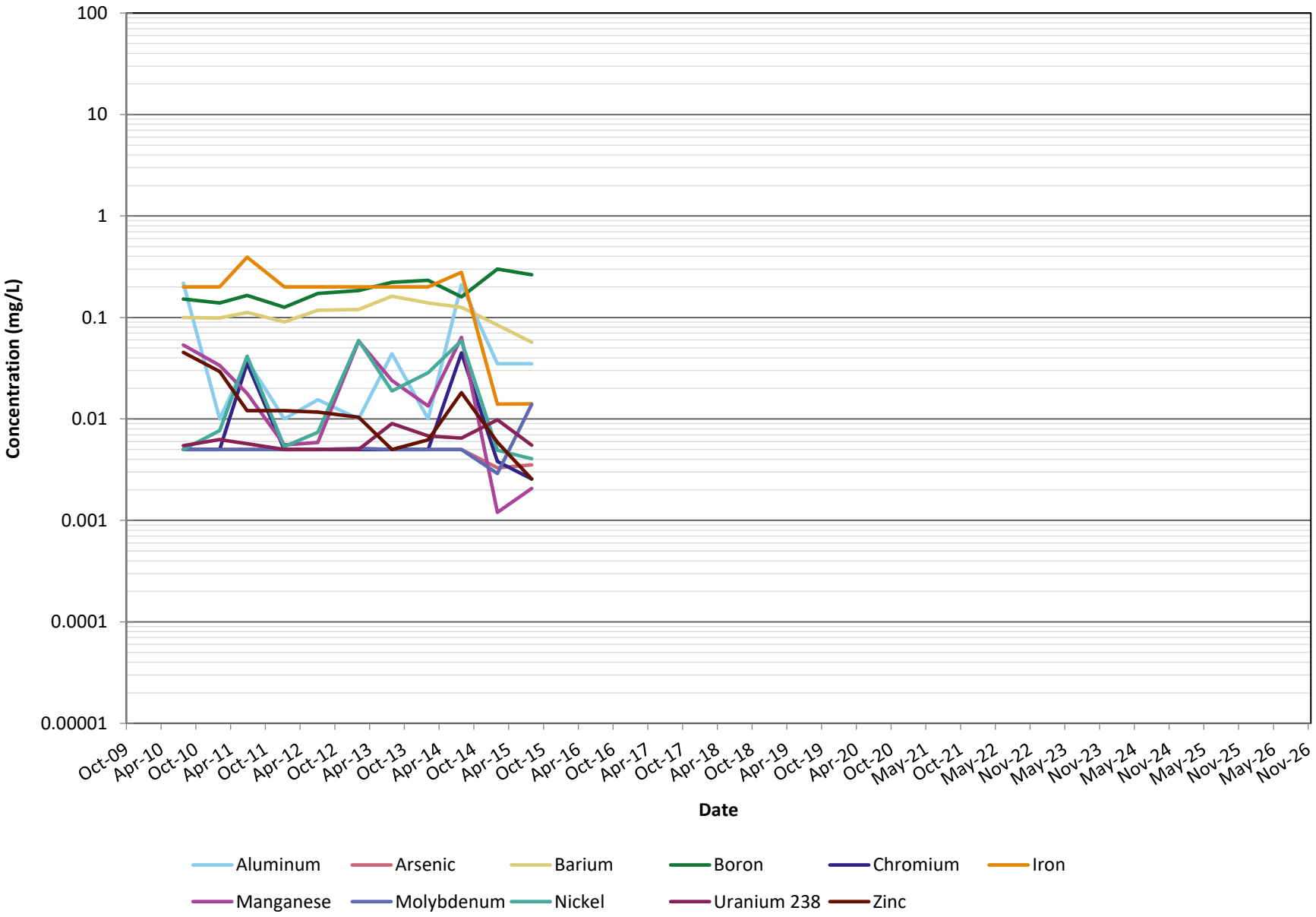
MW-27 TDS CONCENTRATIONS OVER TIME



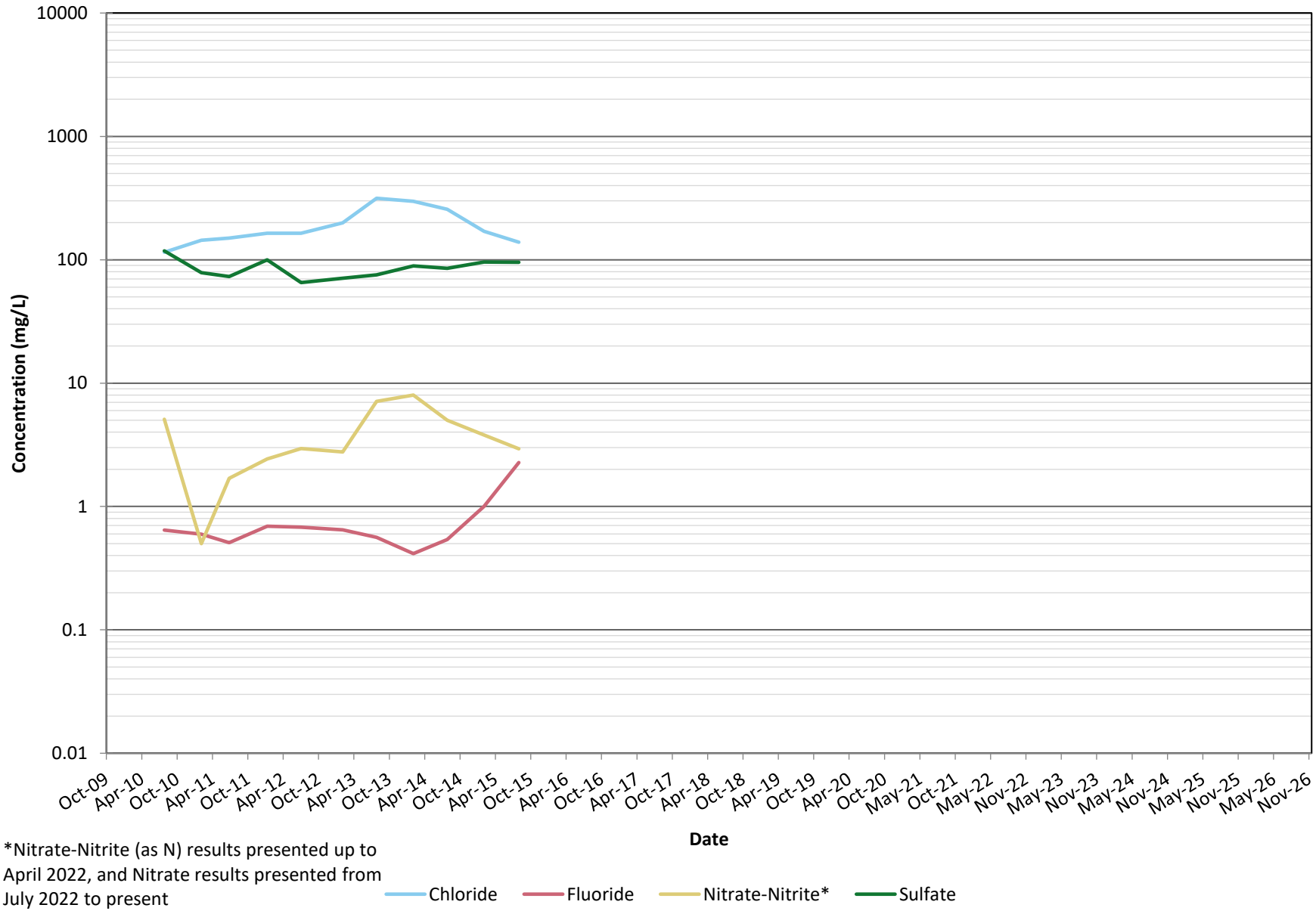
MW-27 SVOC CONCENTRATIONS OVER TIME



MW-27 METALS CONCENTRATIONS OVER TIME

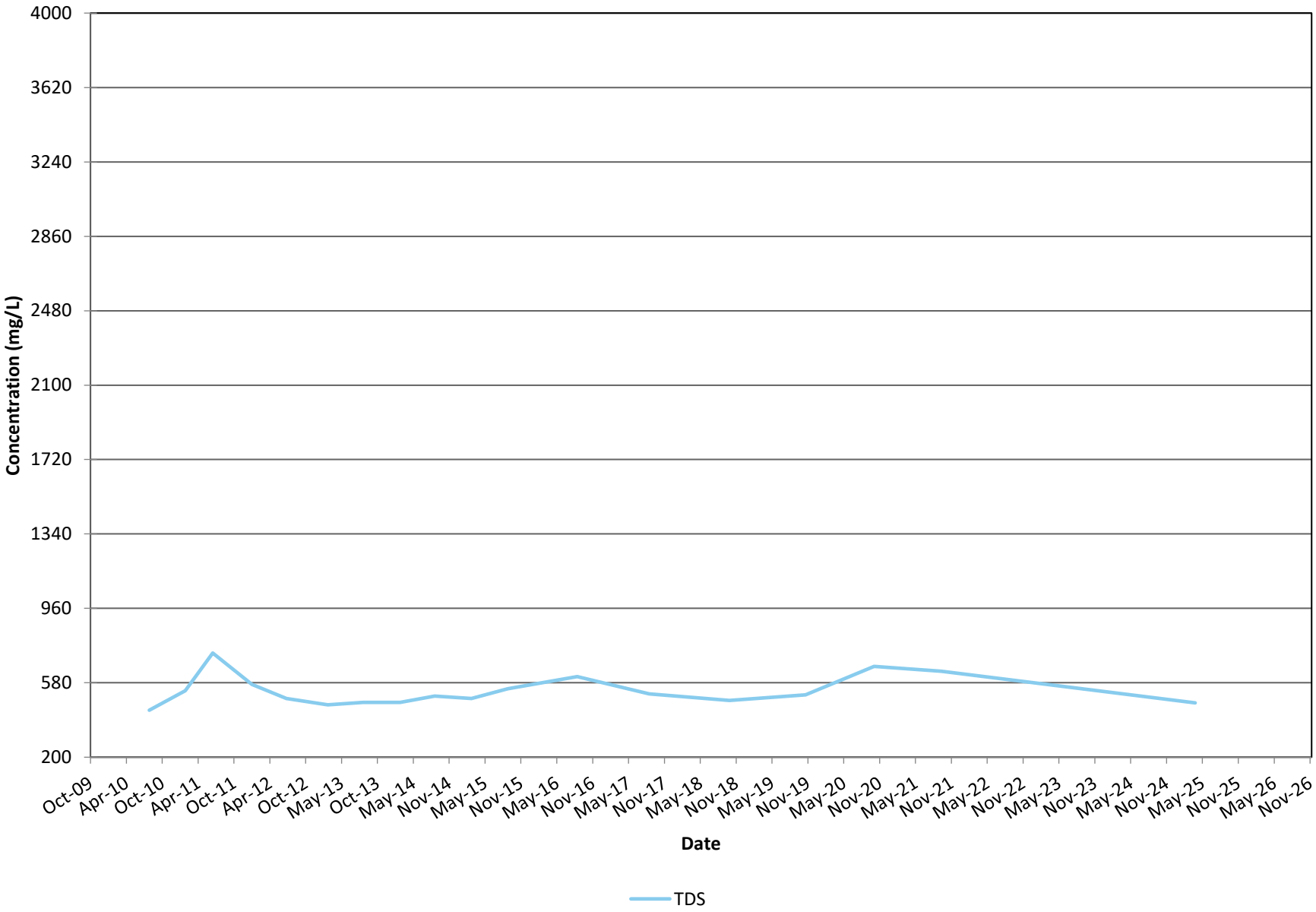


MW-27 ANIONS CONCENTRATIONS OVER TIME

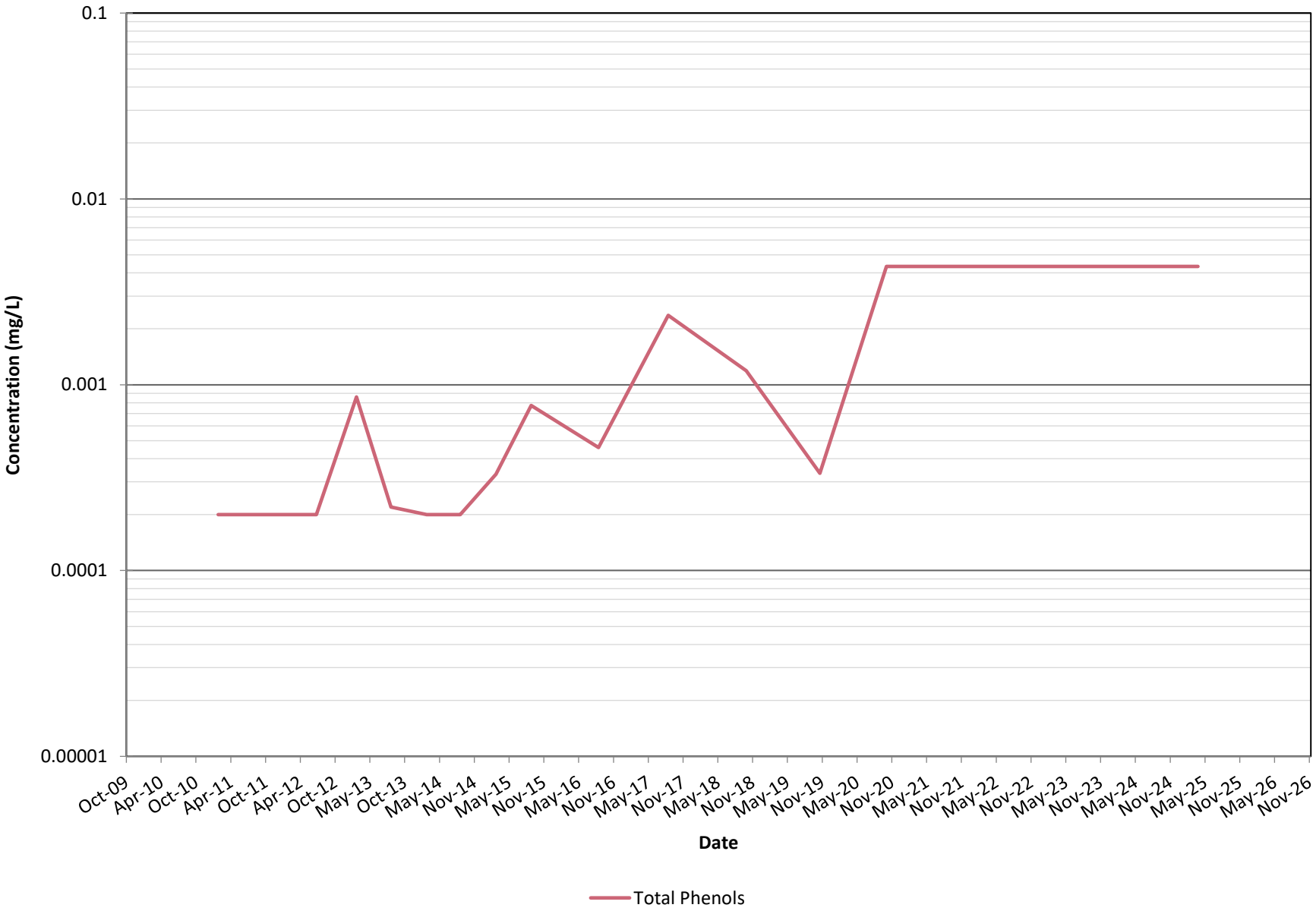


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

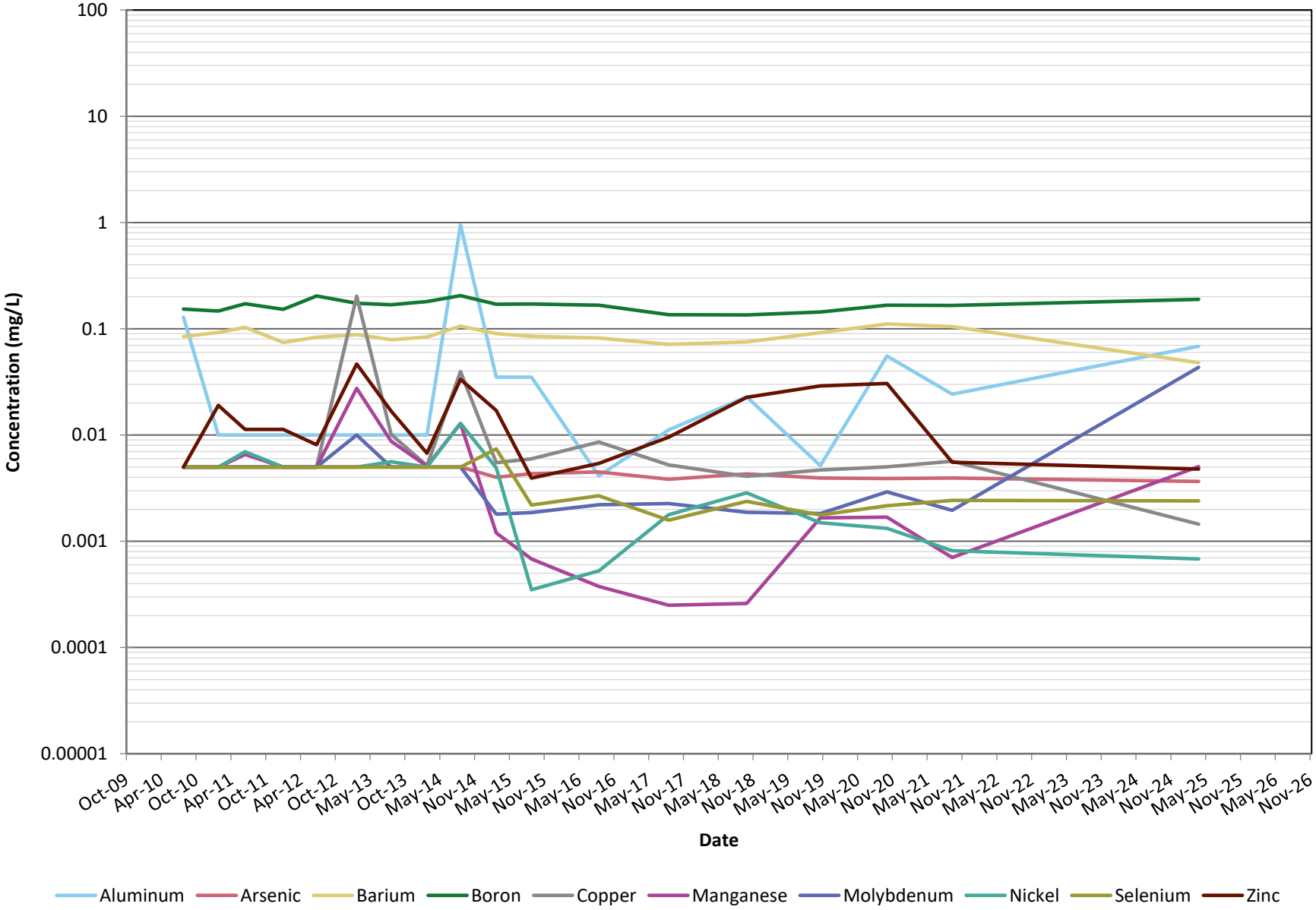
MW-28/MW-28R TDS CONCENTRATIONS OVER TIME



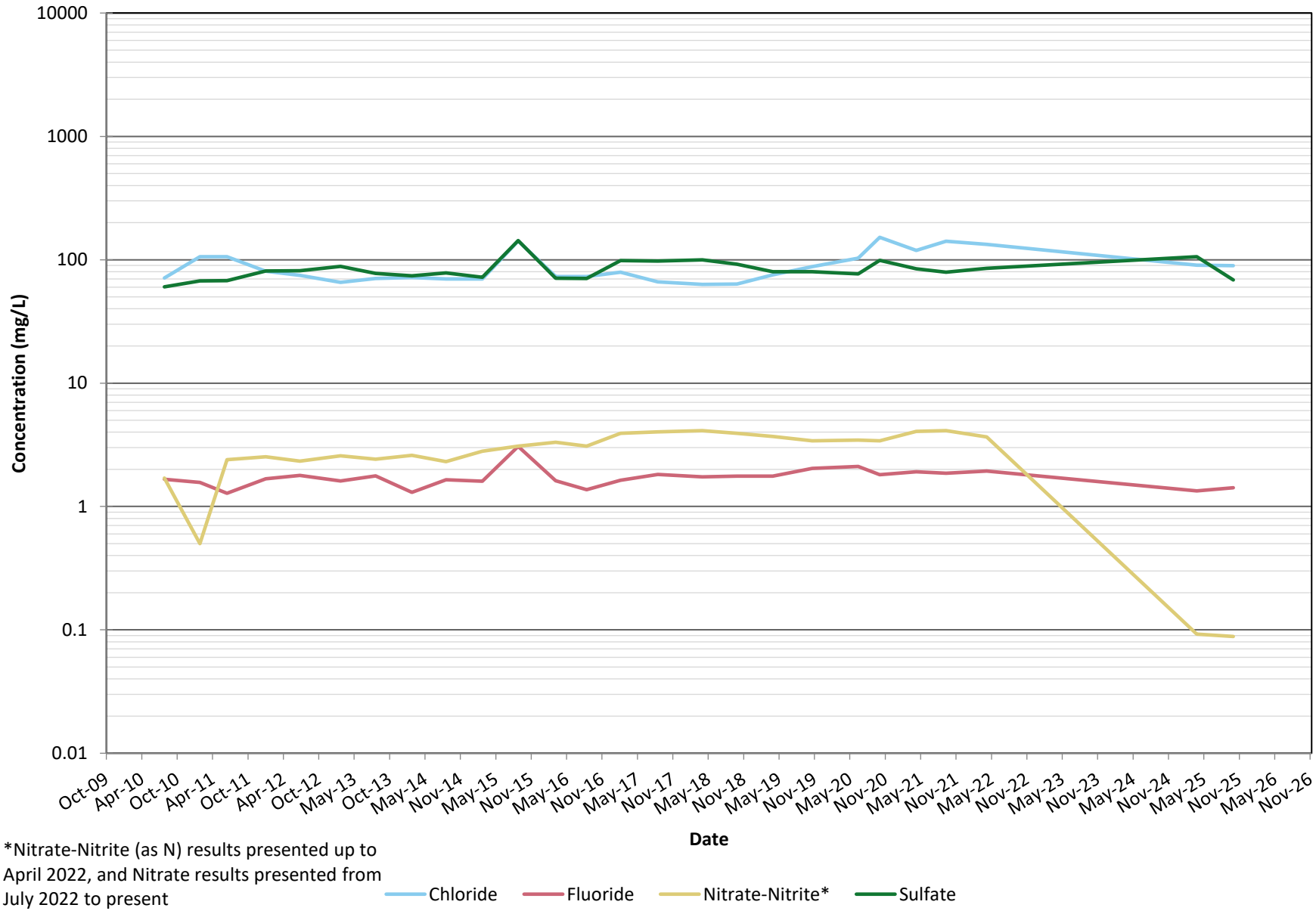
MW-28/MW-28R SVOC CONCENTRATIONS OVER TIME



MW-28/MW-28R METALS CONCENTRATIONS OVER TIME

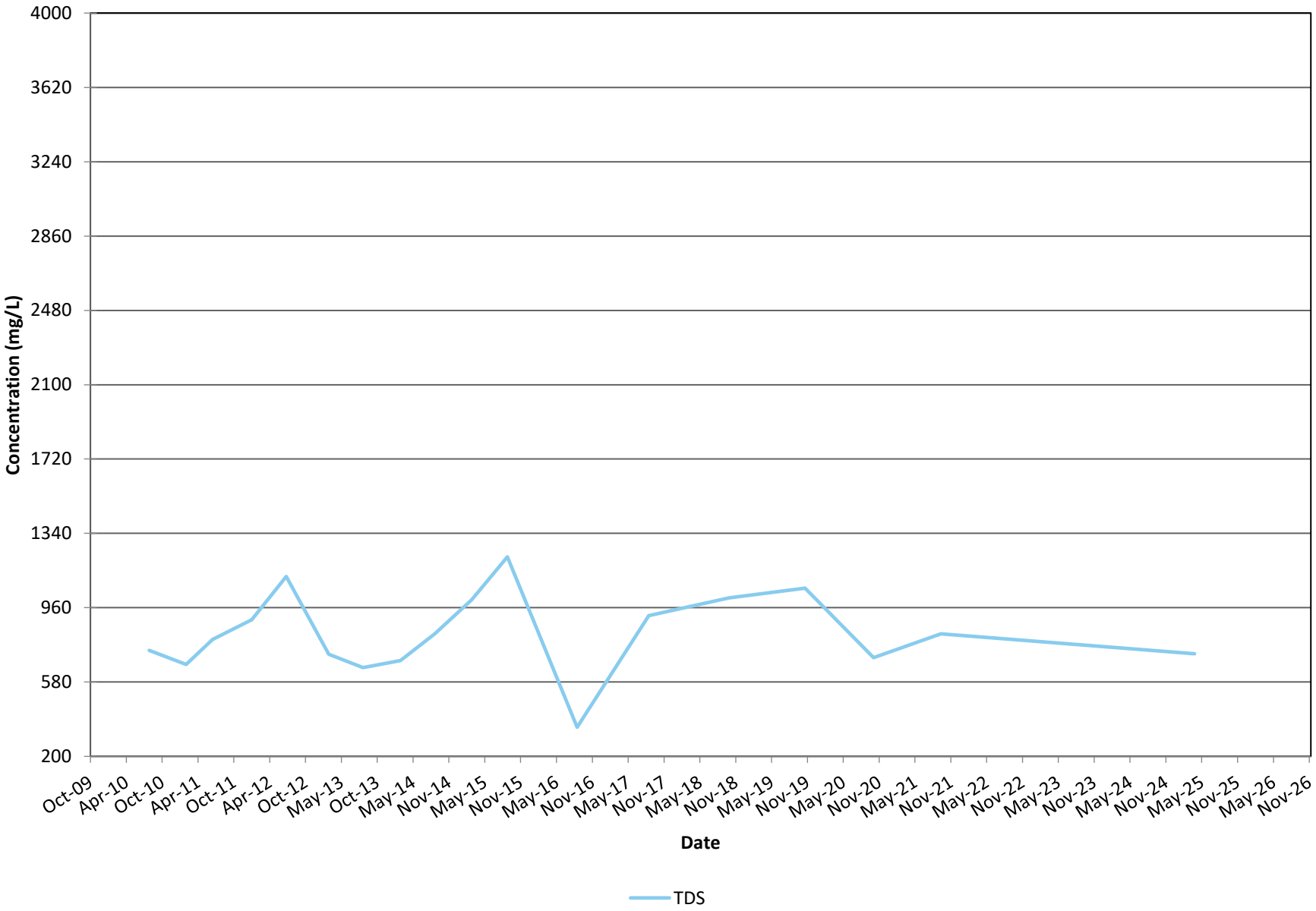


MW-28/MW-28R ANIONS CONCENTRATIONS OVER TIME

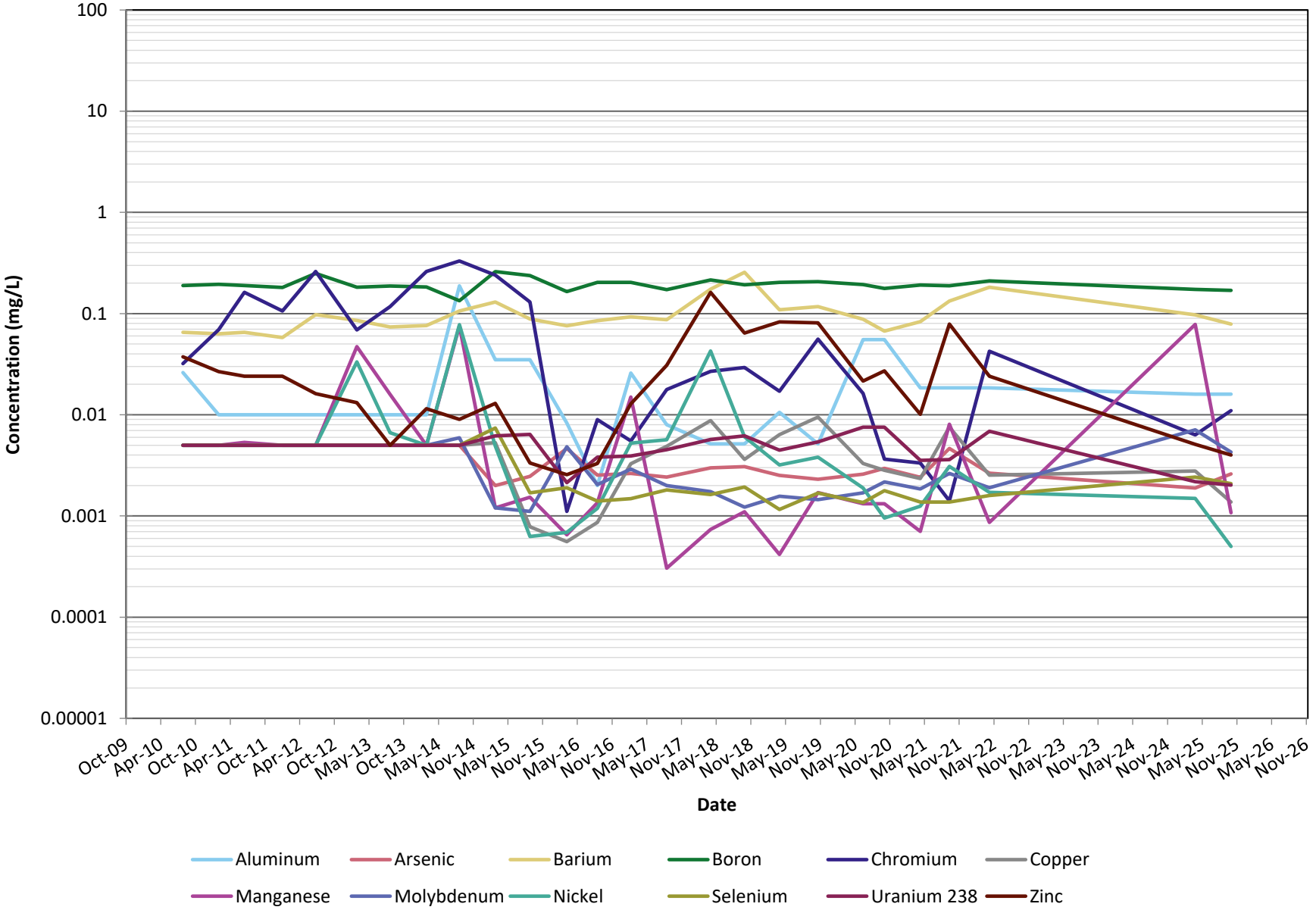


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

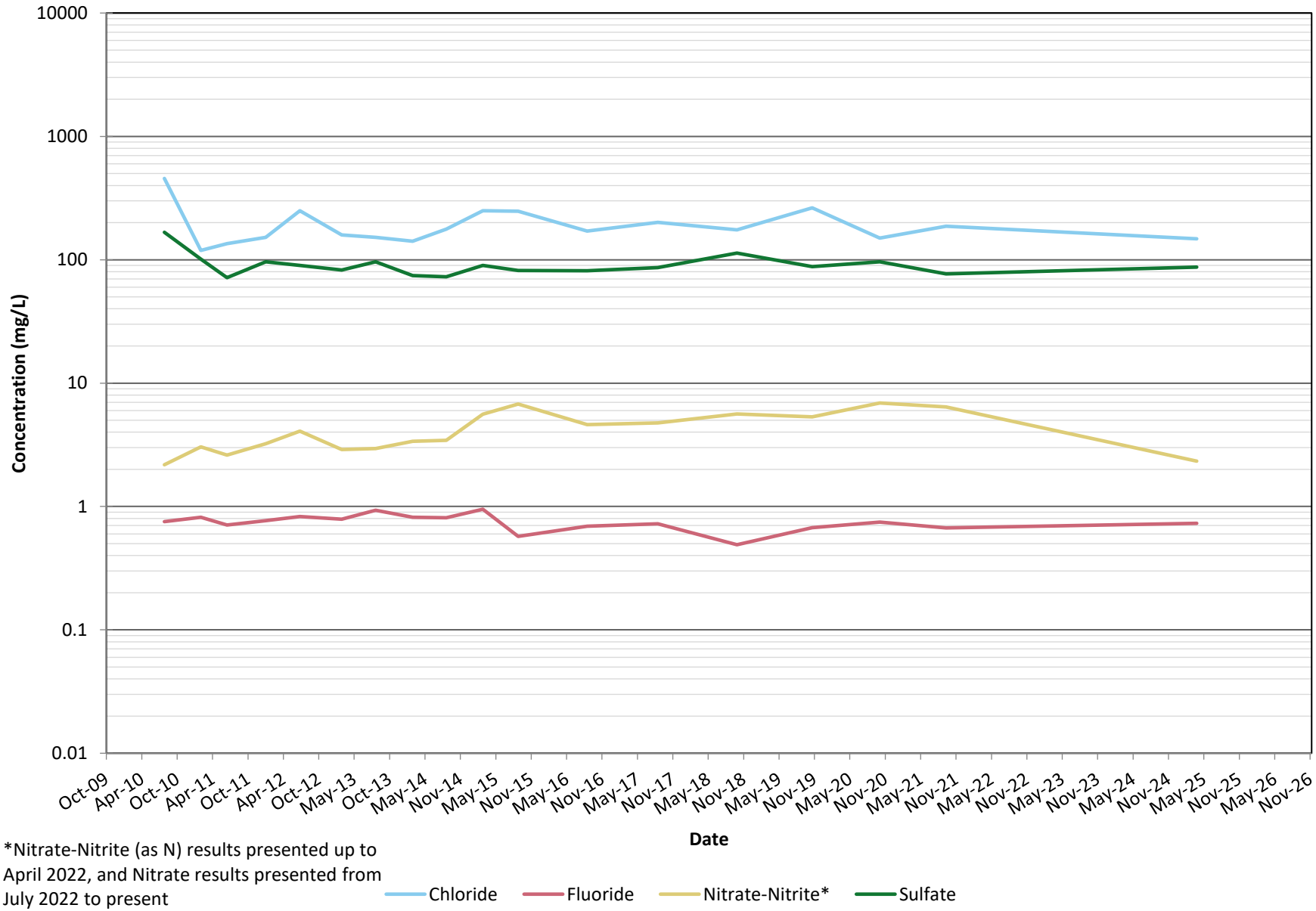
MW-29/MW-29R TDS CONCENTRATIONS OVER TIME



MW-29/MW-29R METALS CONCENTRATIONS OVER TIME

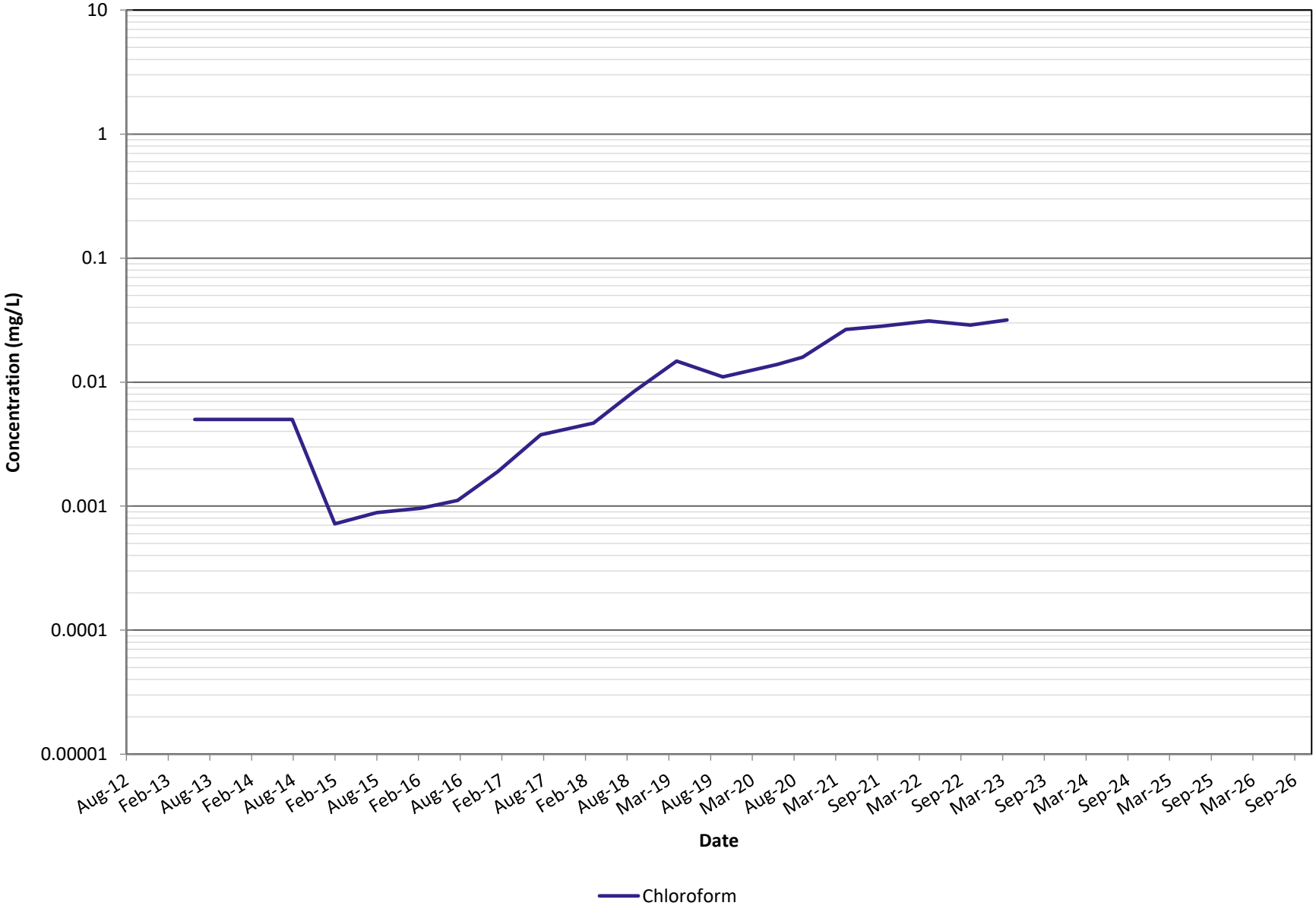


MW-29/MW-29R ANIONS CONCENTRATIONS OVER TIME

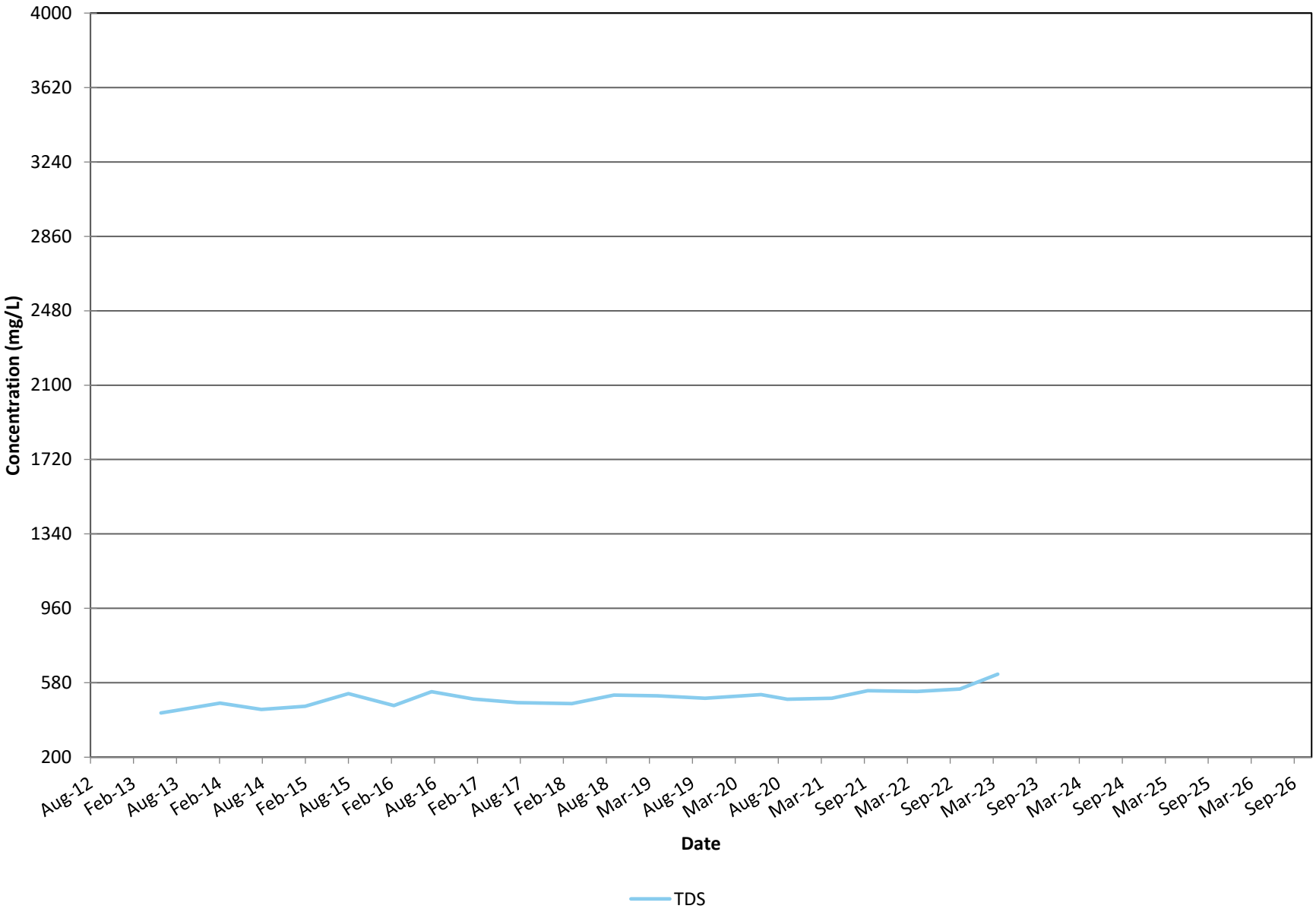


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

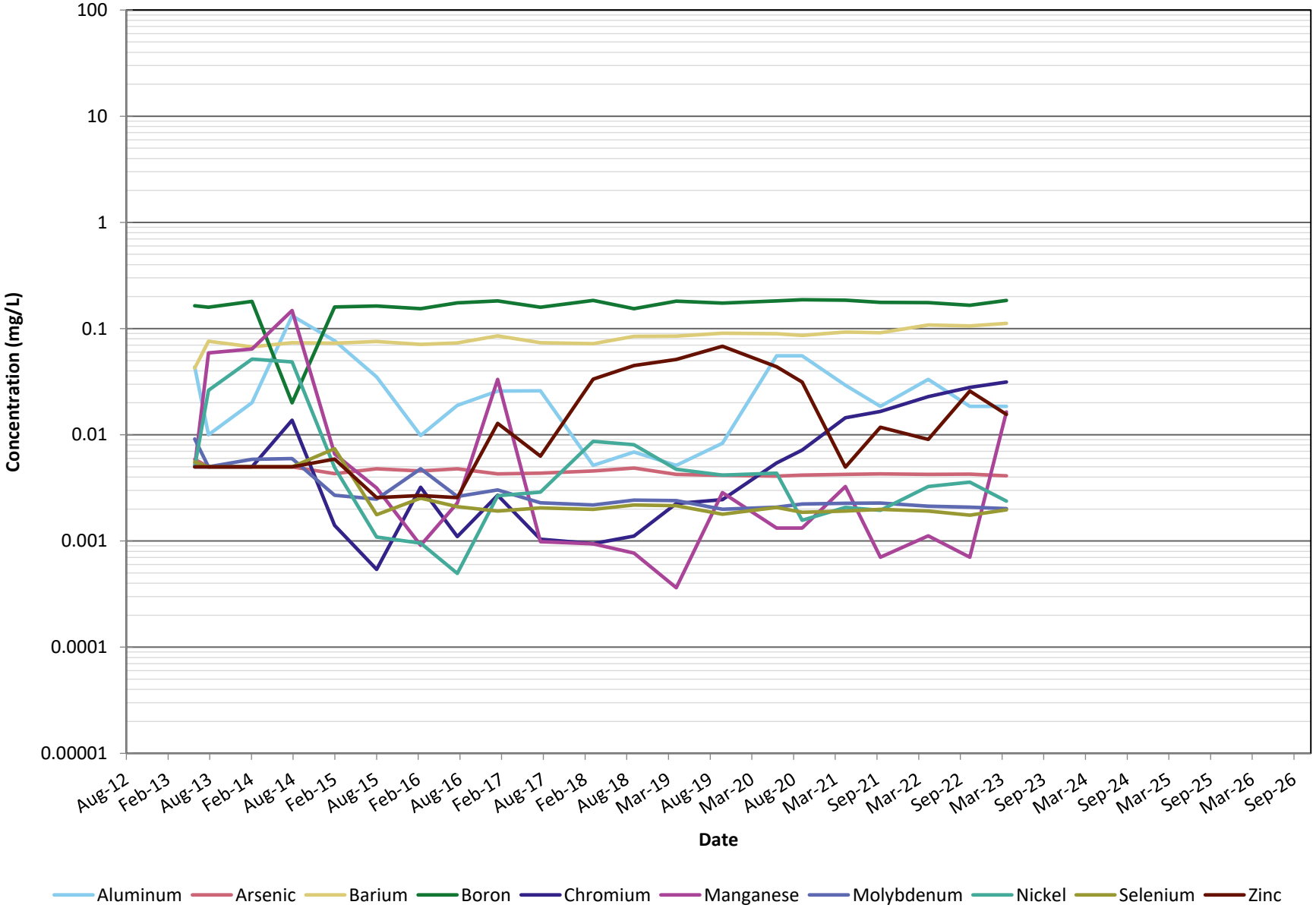
MW-30 VOC CONCENTRATIONS OVER TIME



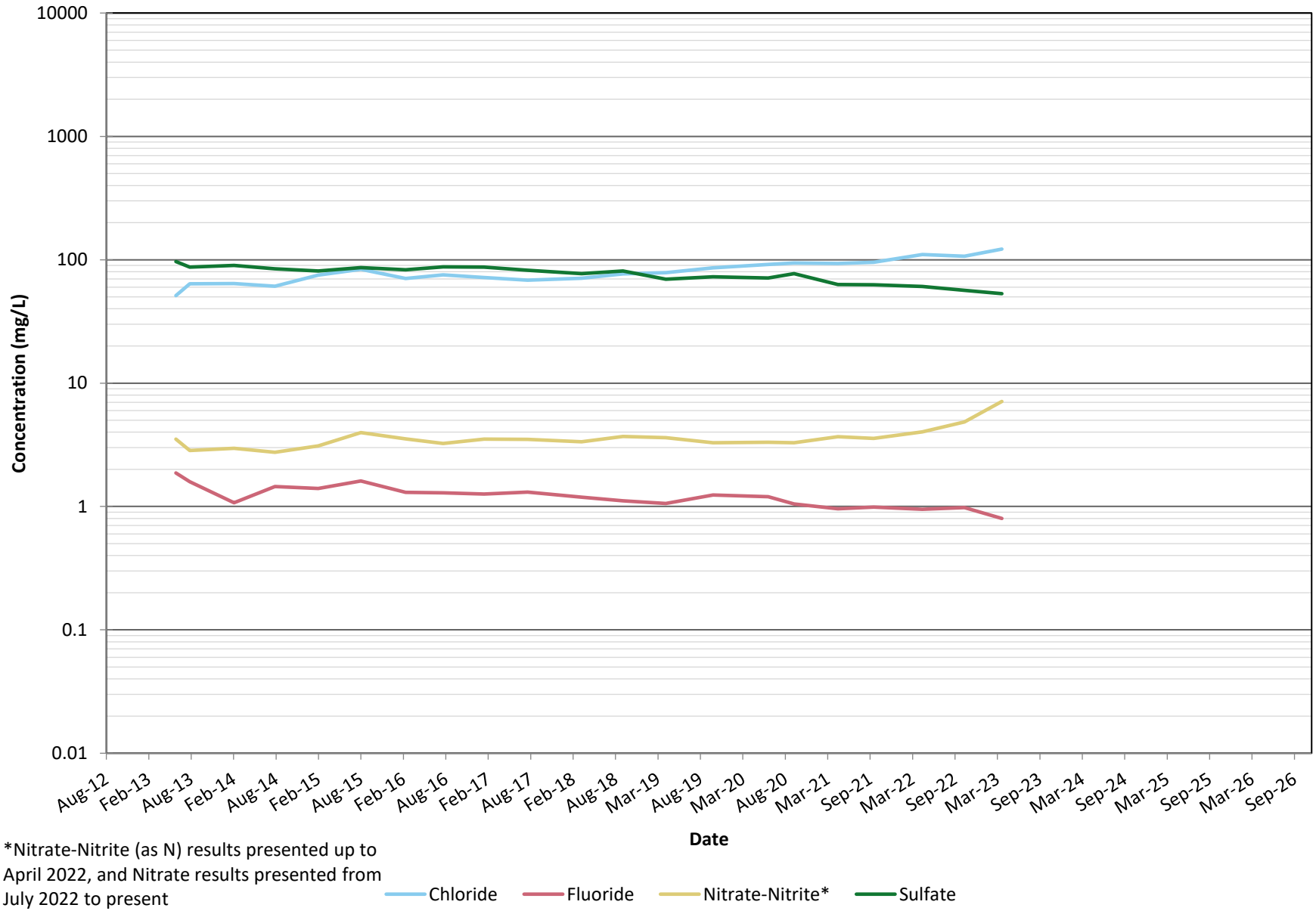
MW-30 TDS CONCENTRATIONS OVER TIME



MW-30 METALS CONCENTRATIONS OVER TIME

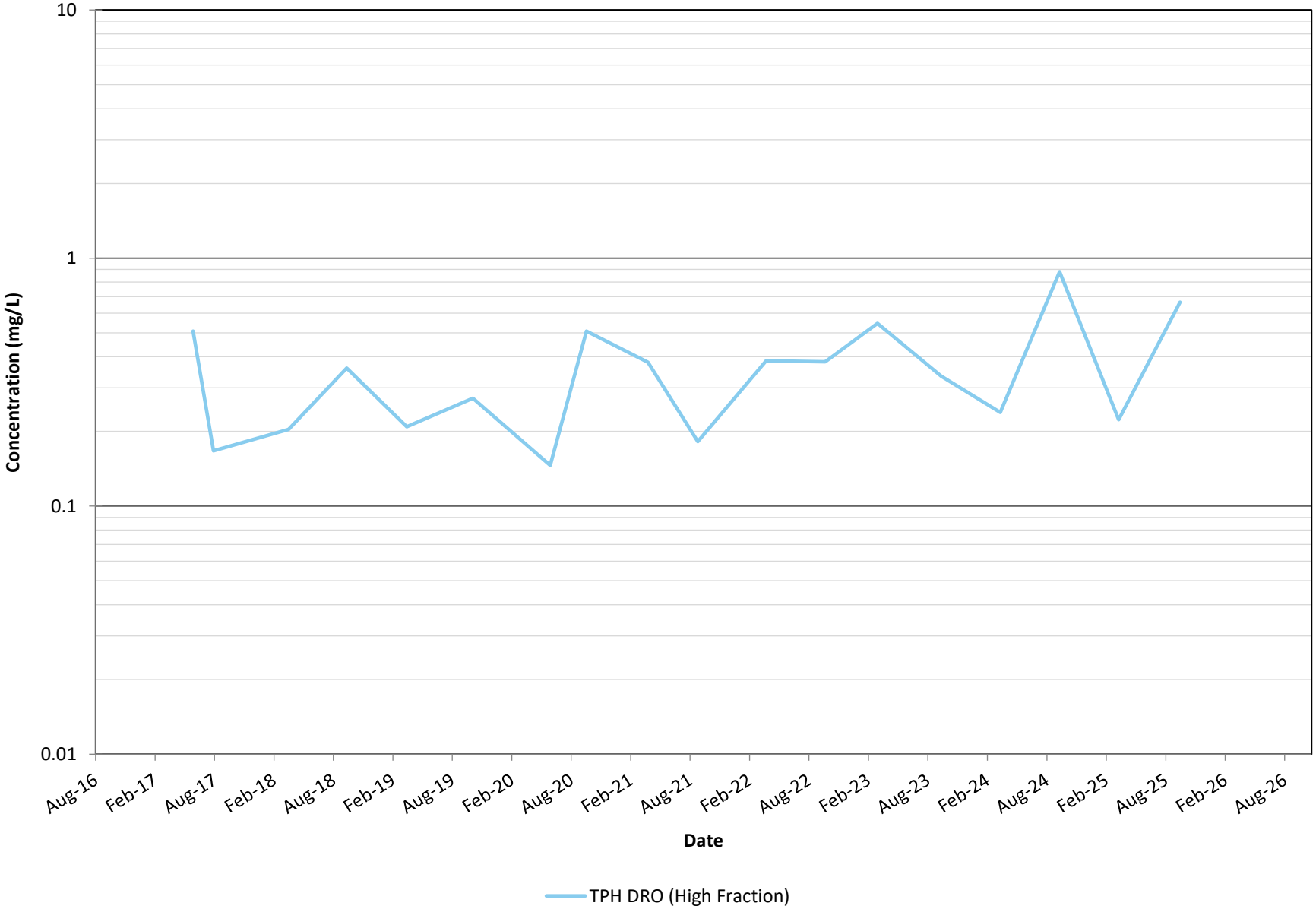


MW-30 ANIONS CONCENTRATIONS OVER TIME

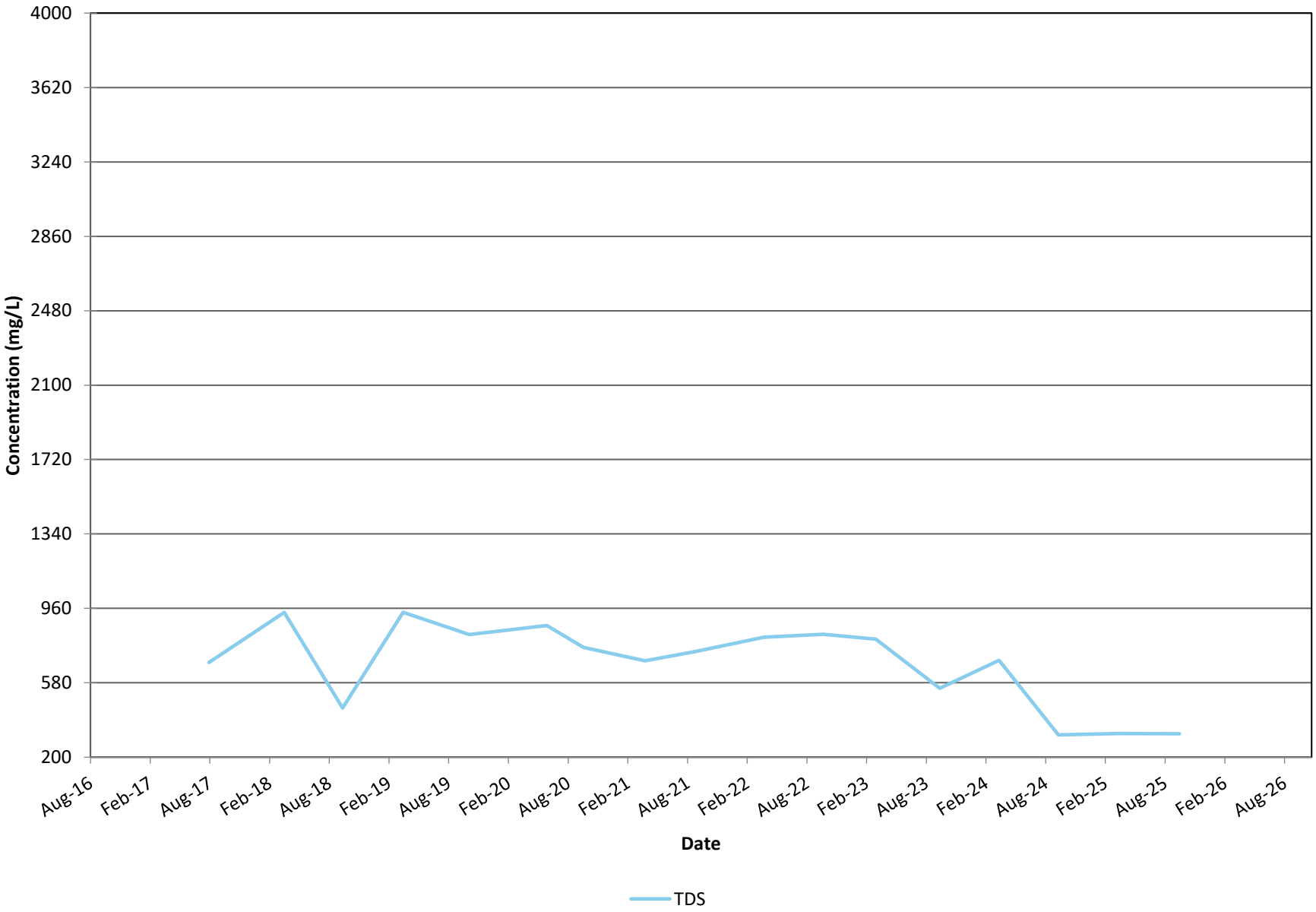


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

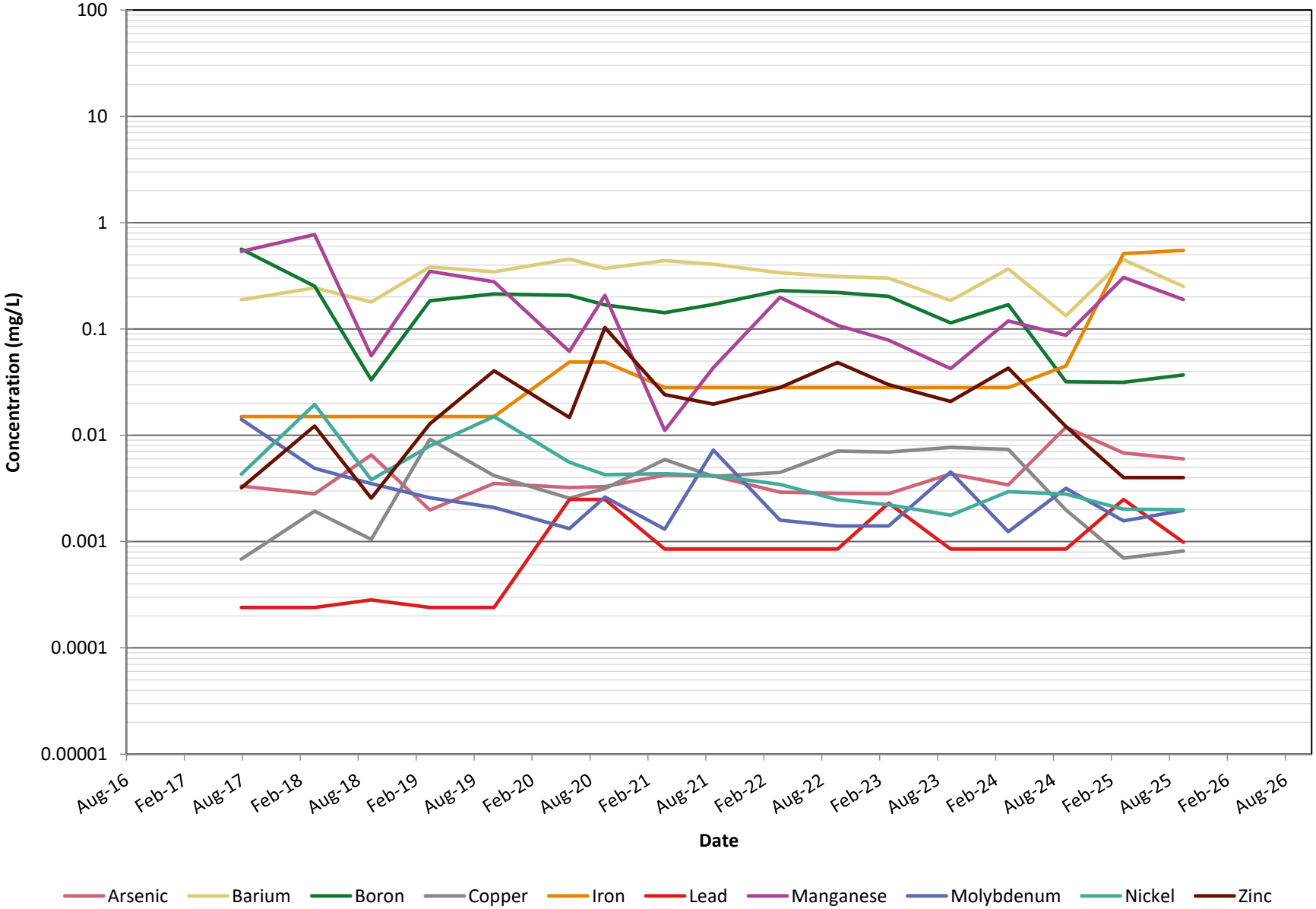
MW-32 TPH CONCENTRATIONS OVER TIME



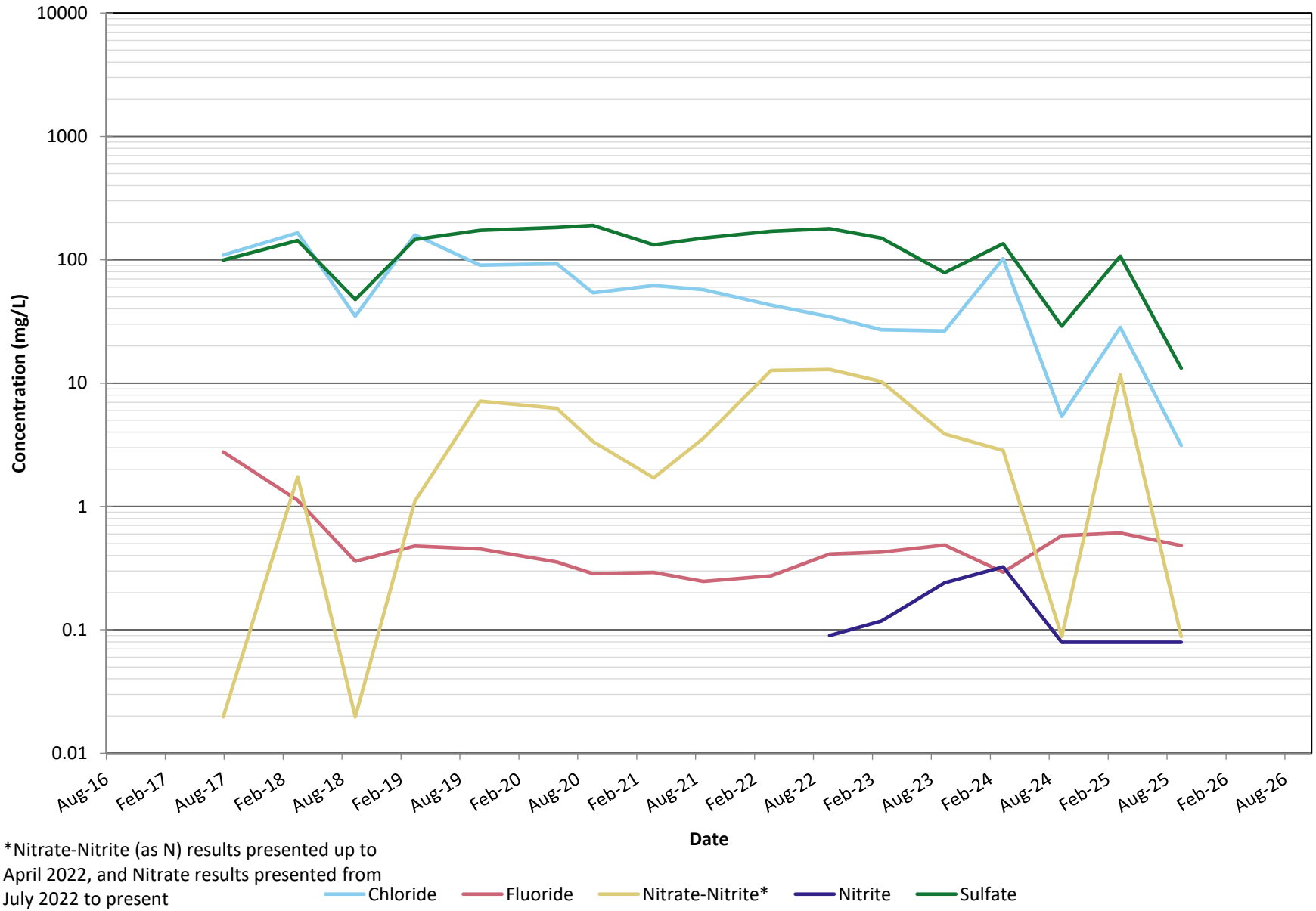
MW-32 TDS CONCENTRATIONS OVER TIME



MW-32 METALS CONCENTRATIONS OVER TIME



MW-32 ANIONS CONCENTRATIONS OVER TIME



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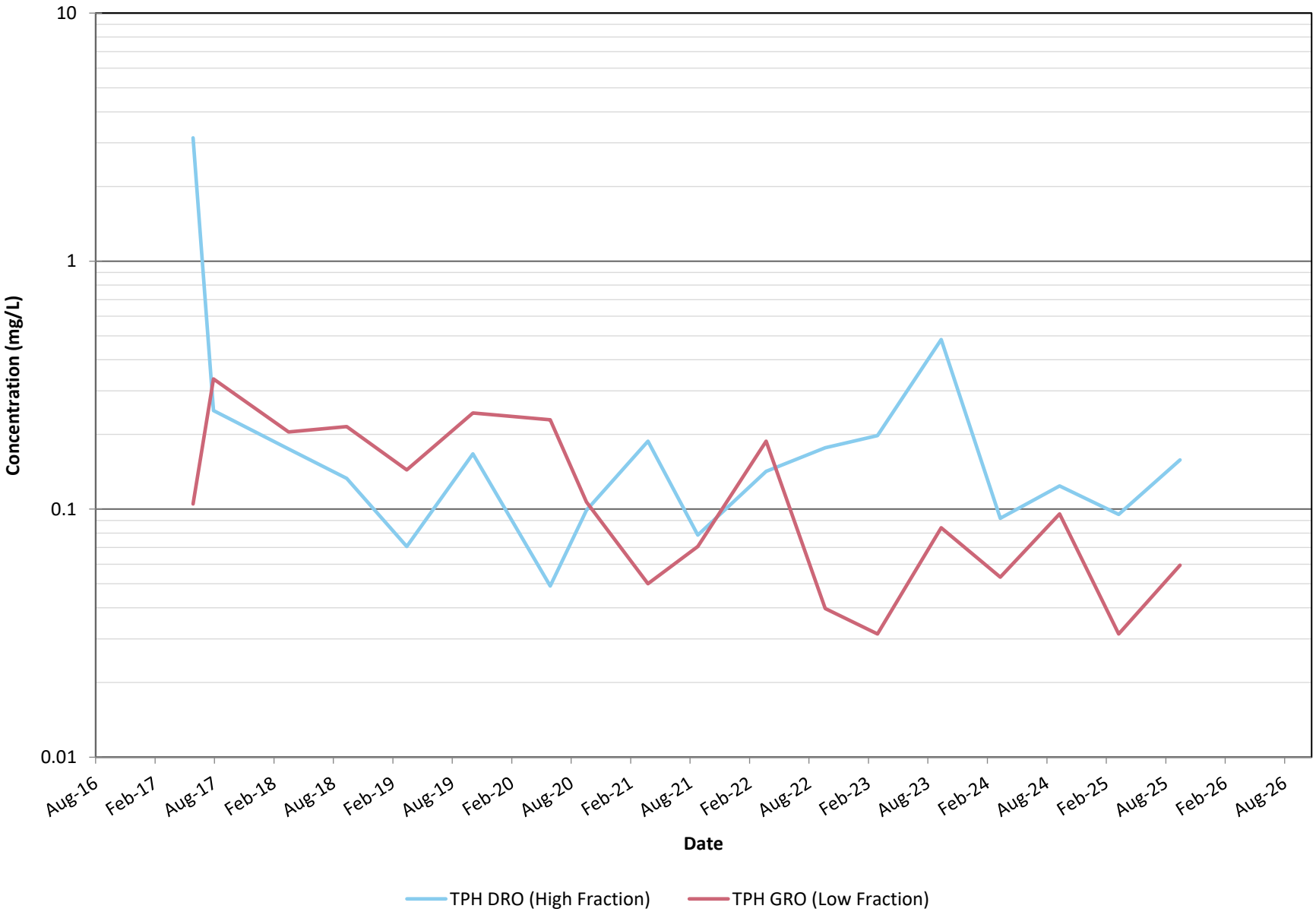
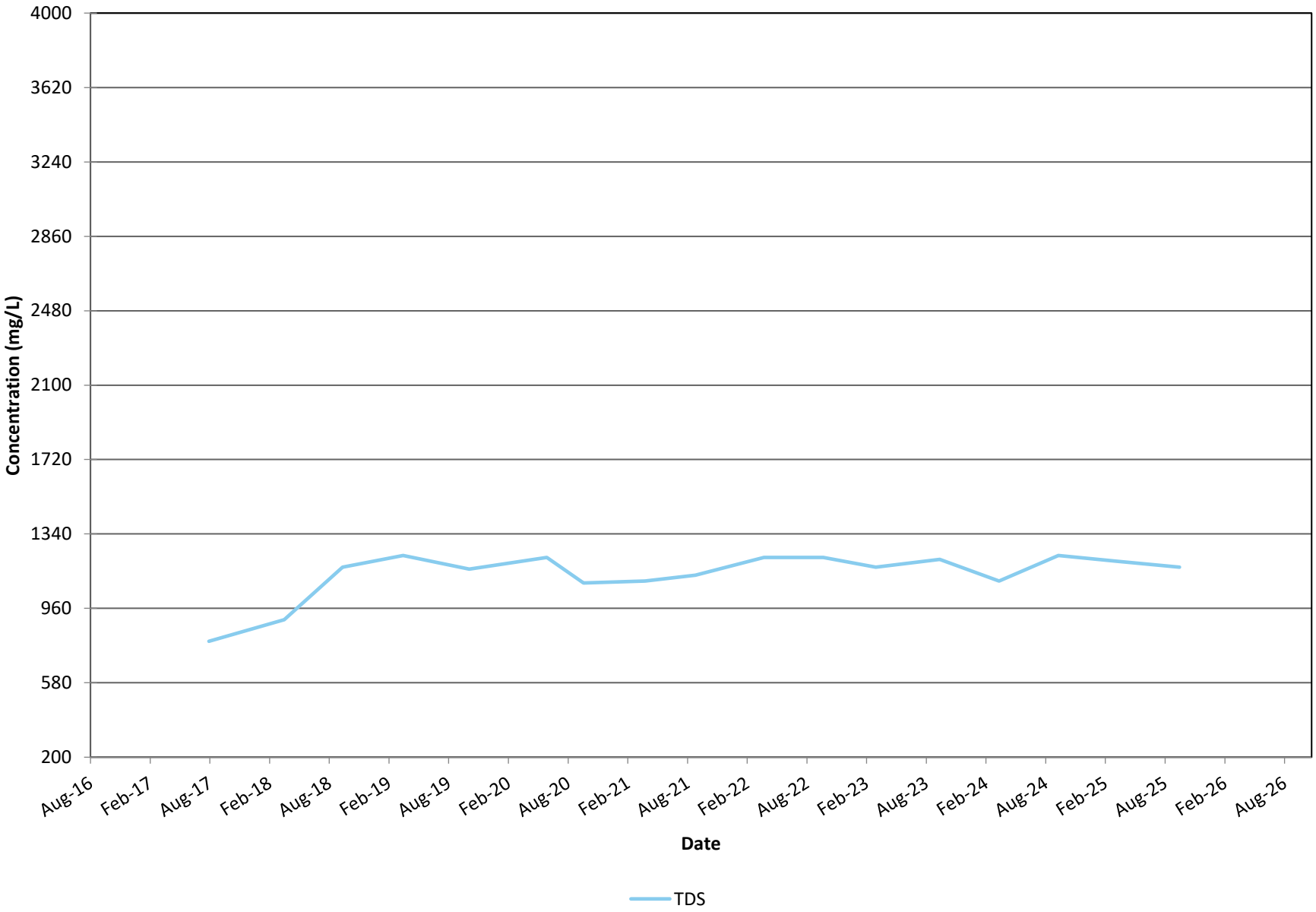
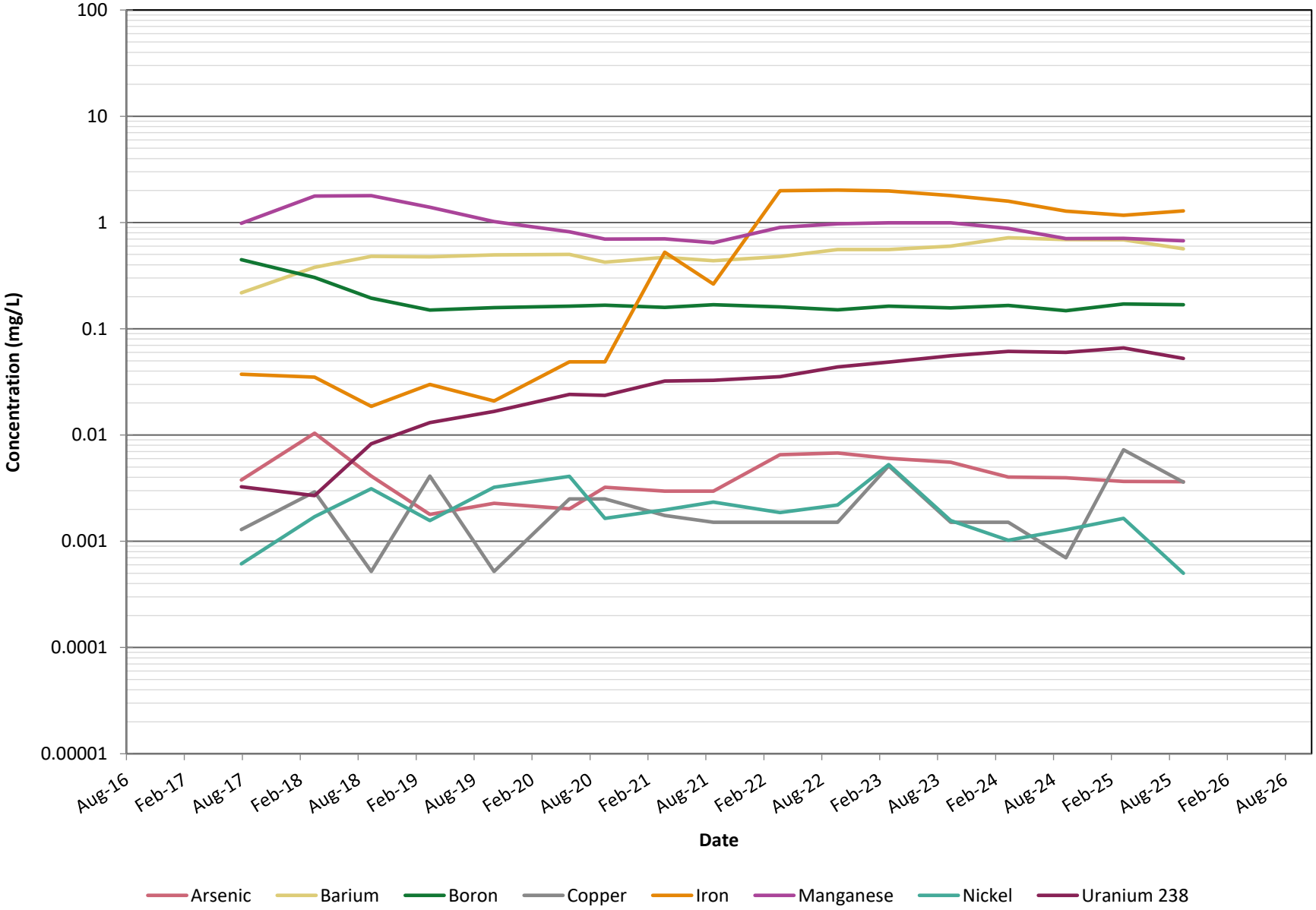
MW-33 TPH CONCENTRATIONS OVER TIME



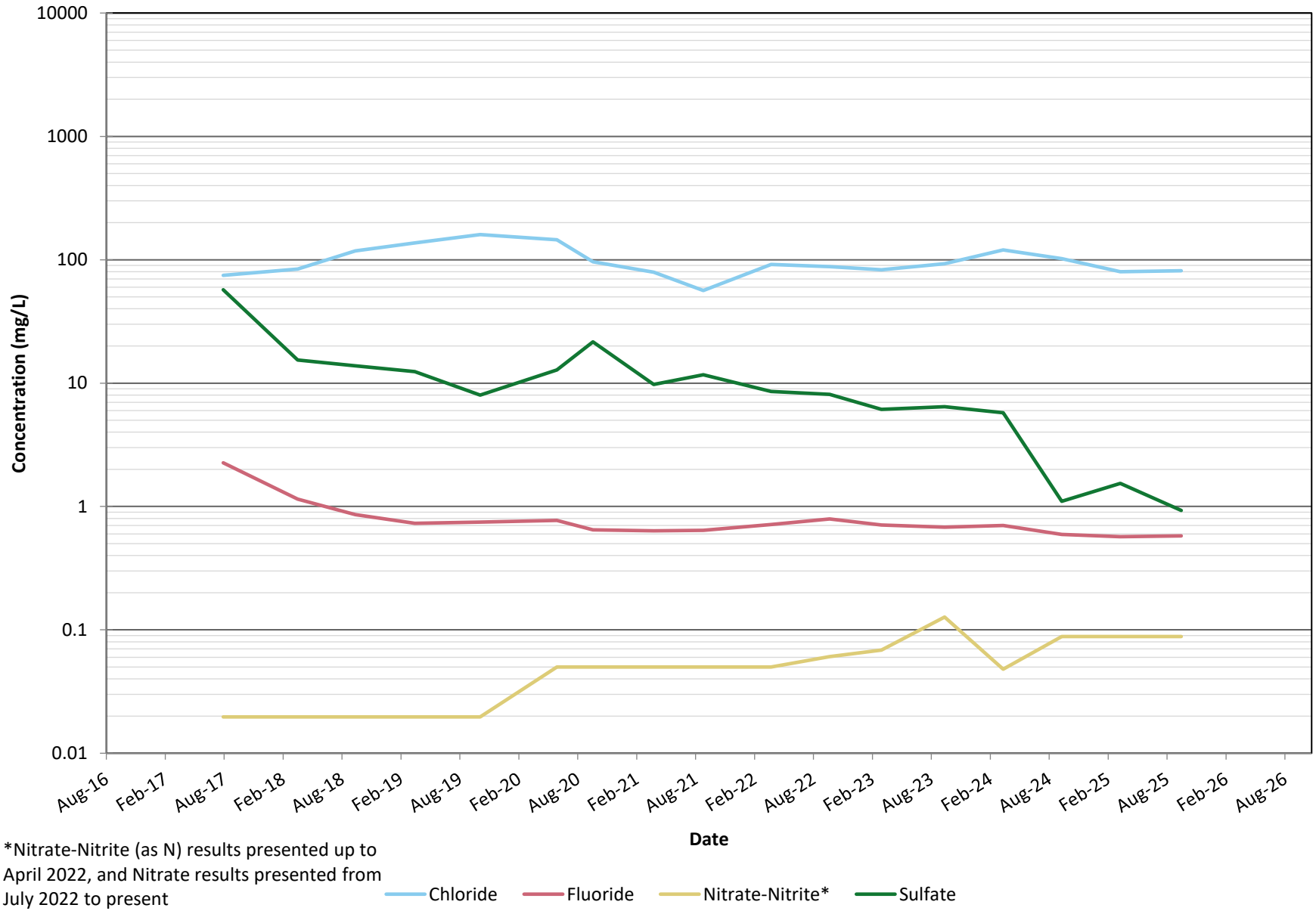
MW-33 TDS CONCENTRATIONS OVER TIME



MW-33 METALS CONCENTRATIONS OVER TIME



MW-33 ANIONS CONCENTRATIONS OVER TIME



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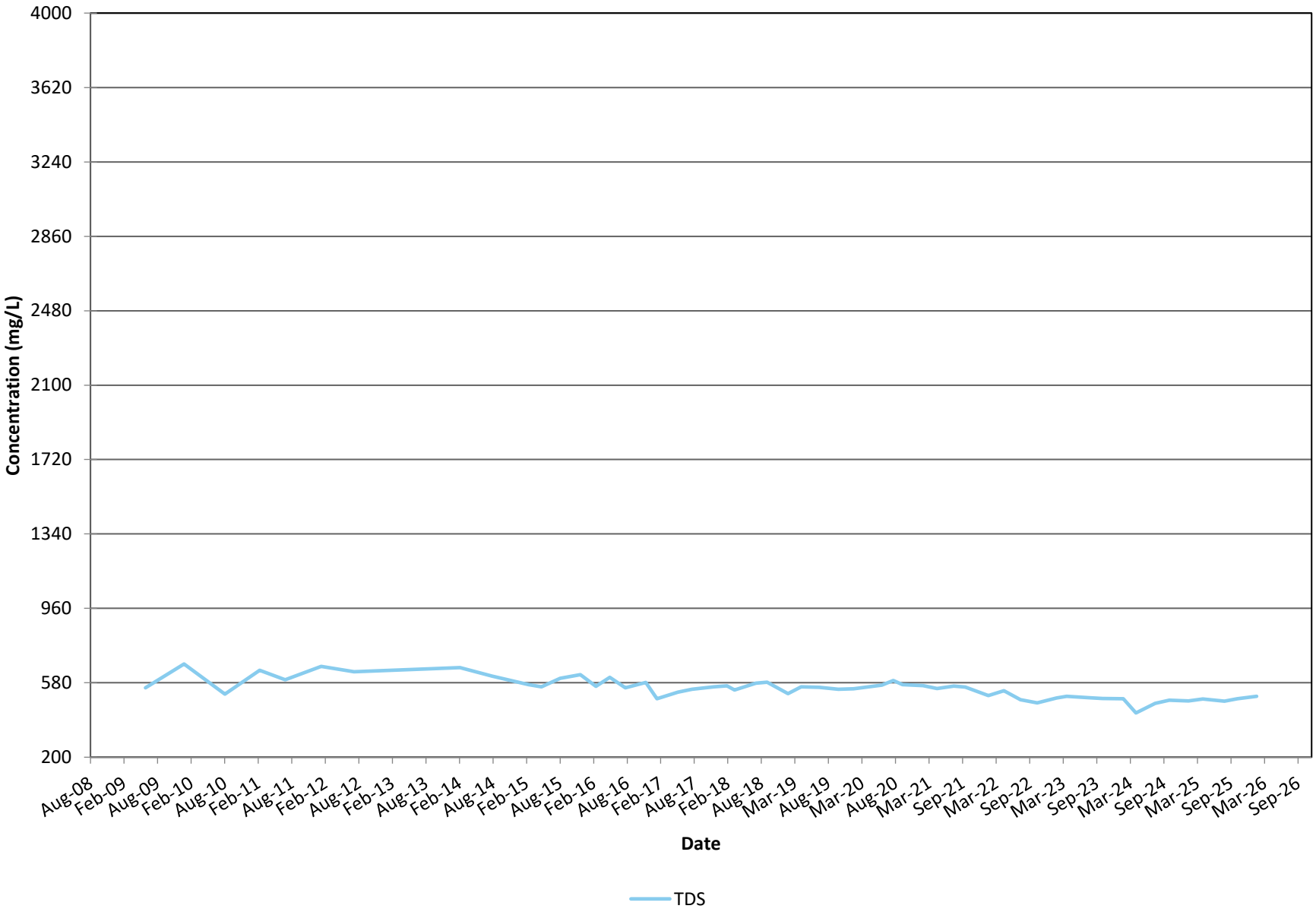
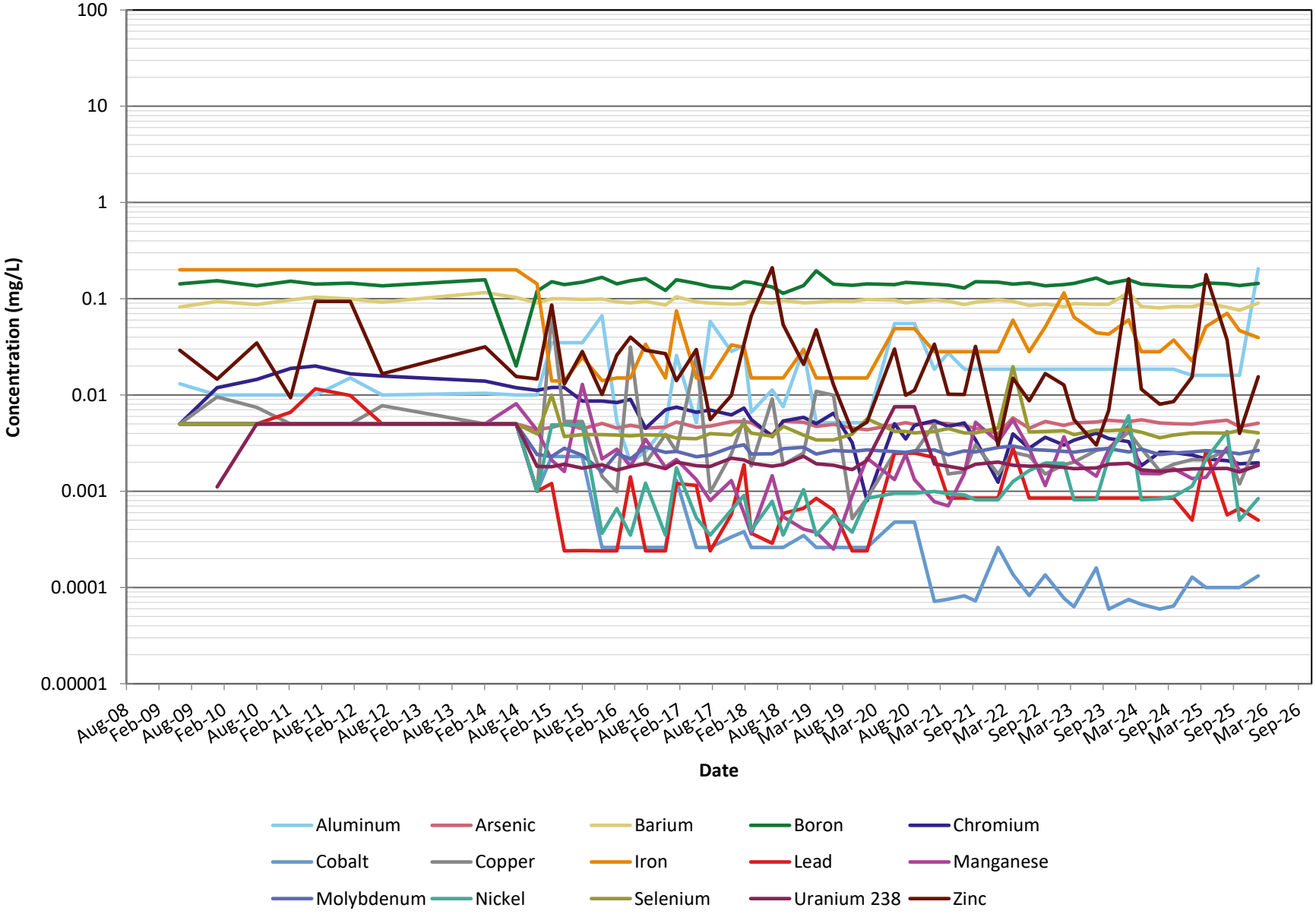
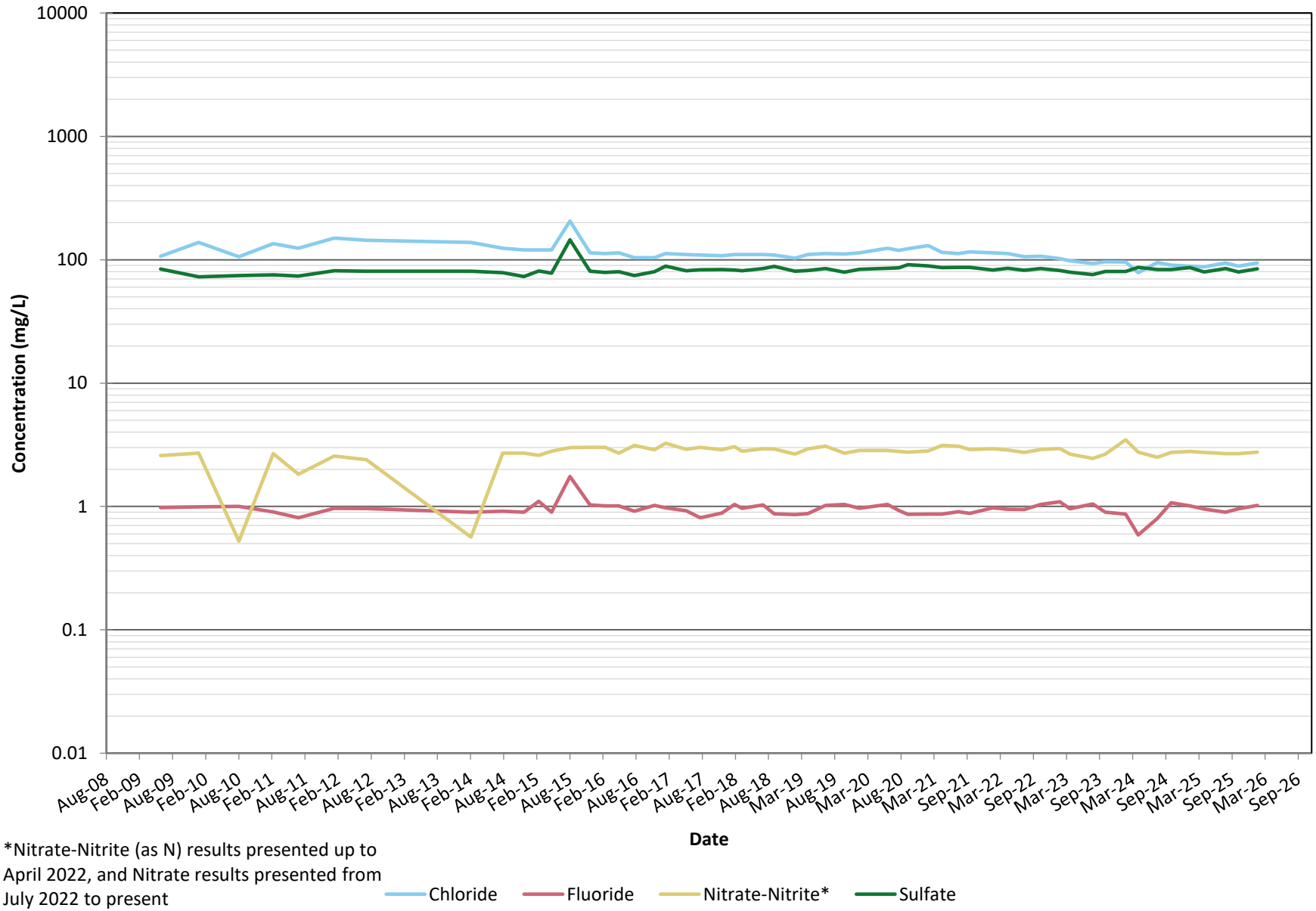
WW-East TDS CONCENTRATIONS OVER TIME



WW-East METALS CONCENTRATIONS OVER TIME



WW-East ANIONS CONCENTRATIONS OVER TIME



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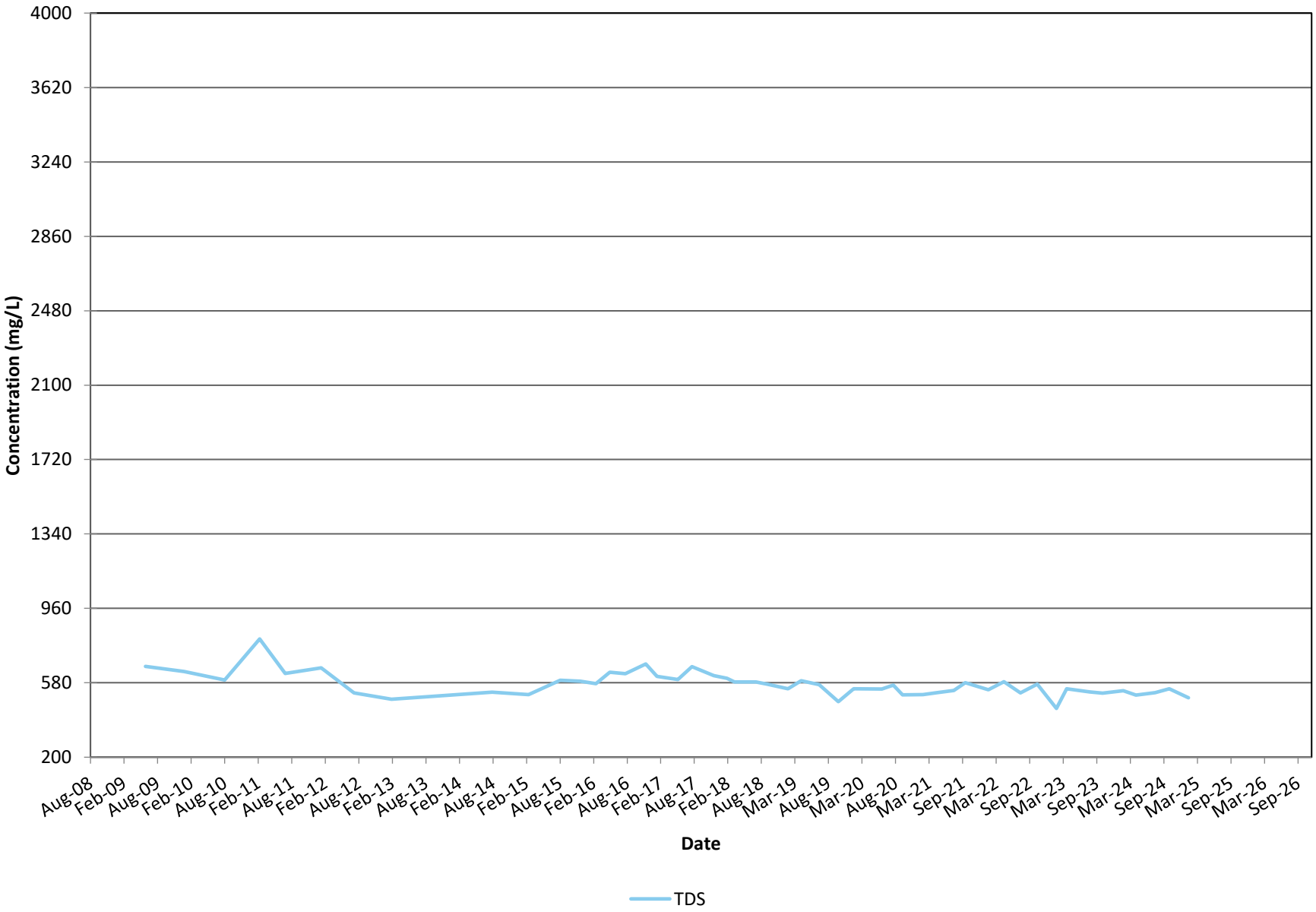
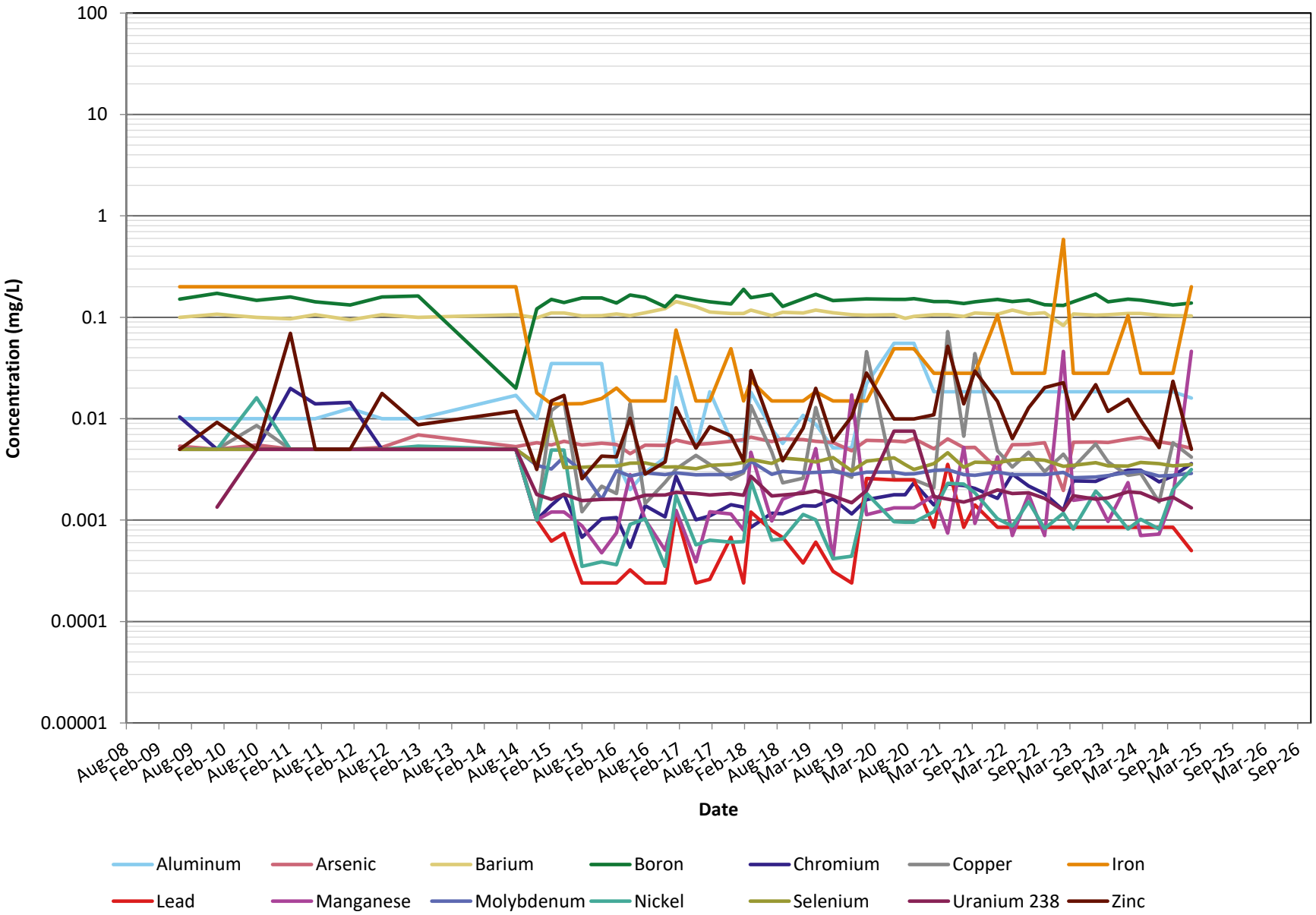
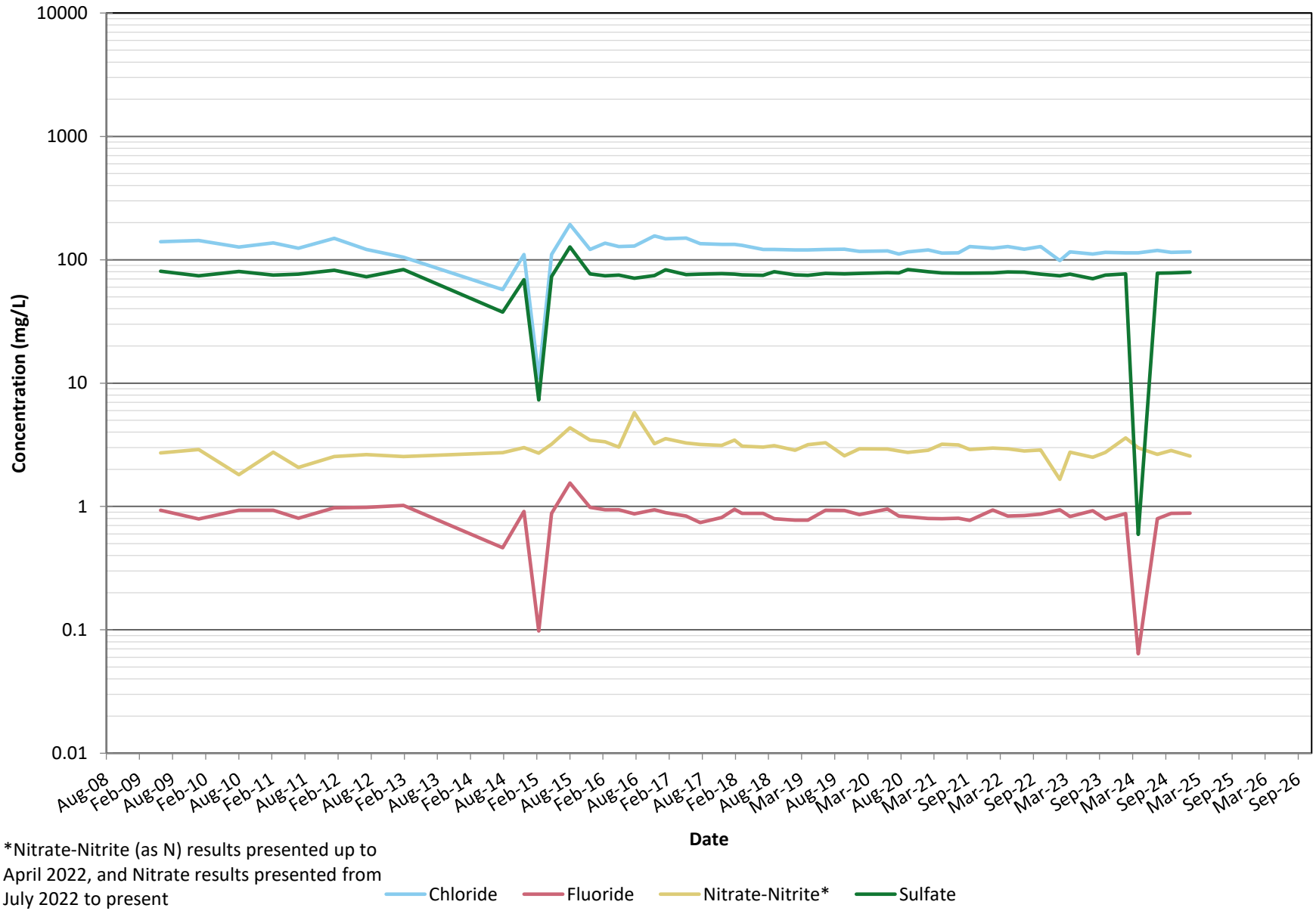
WW-North TDS CONCENTRATIONS OVER TIME



WW-North METALS CONCENTRATIONS OVER TIME

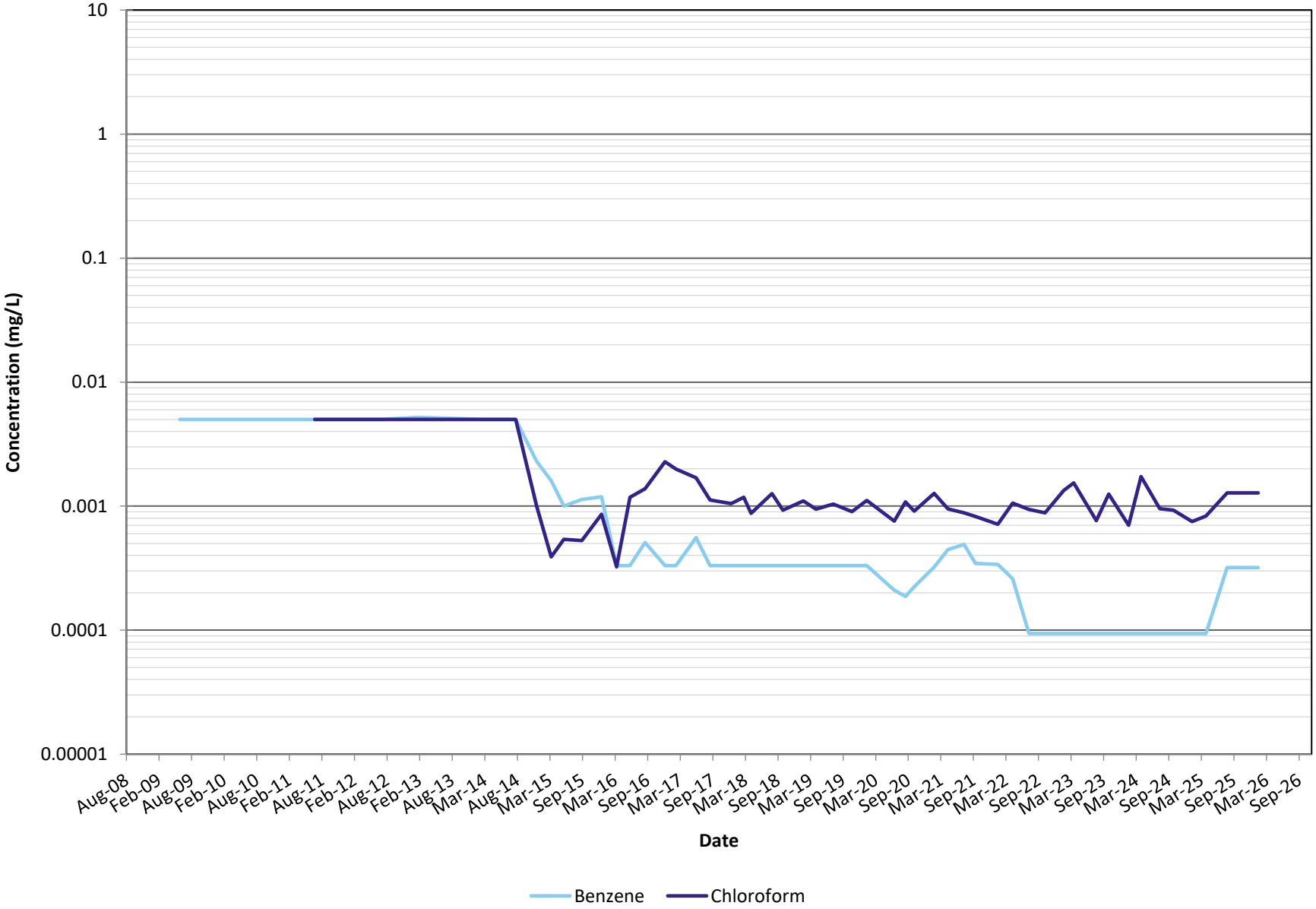


WW-North ANIONS CONCENTRATIONS OVER TIME

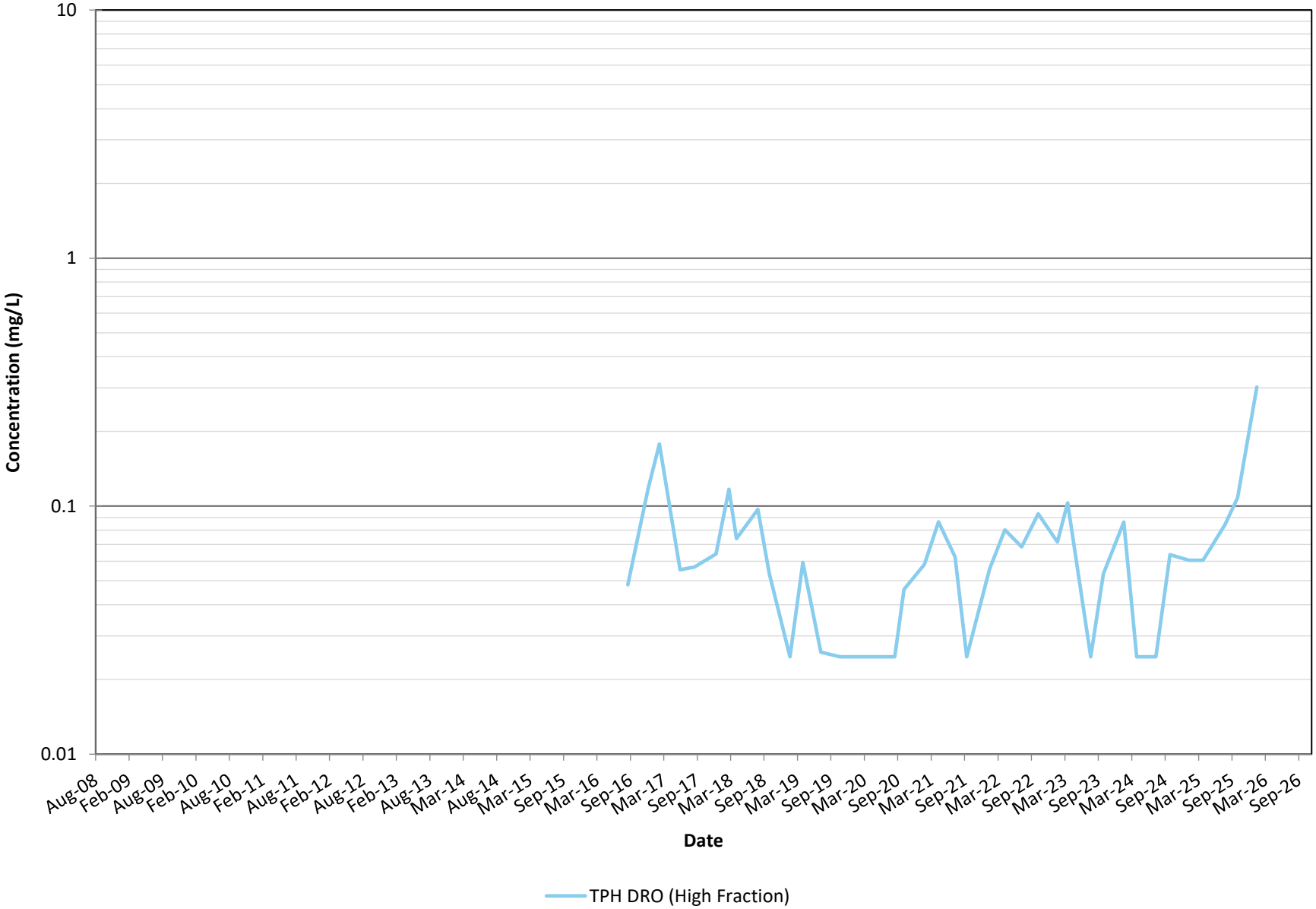


*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

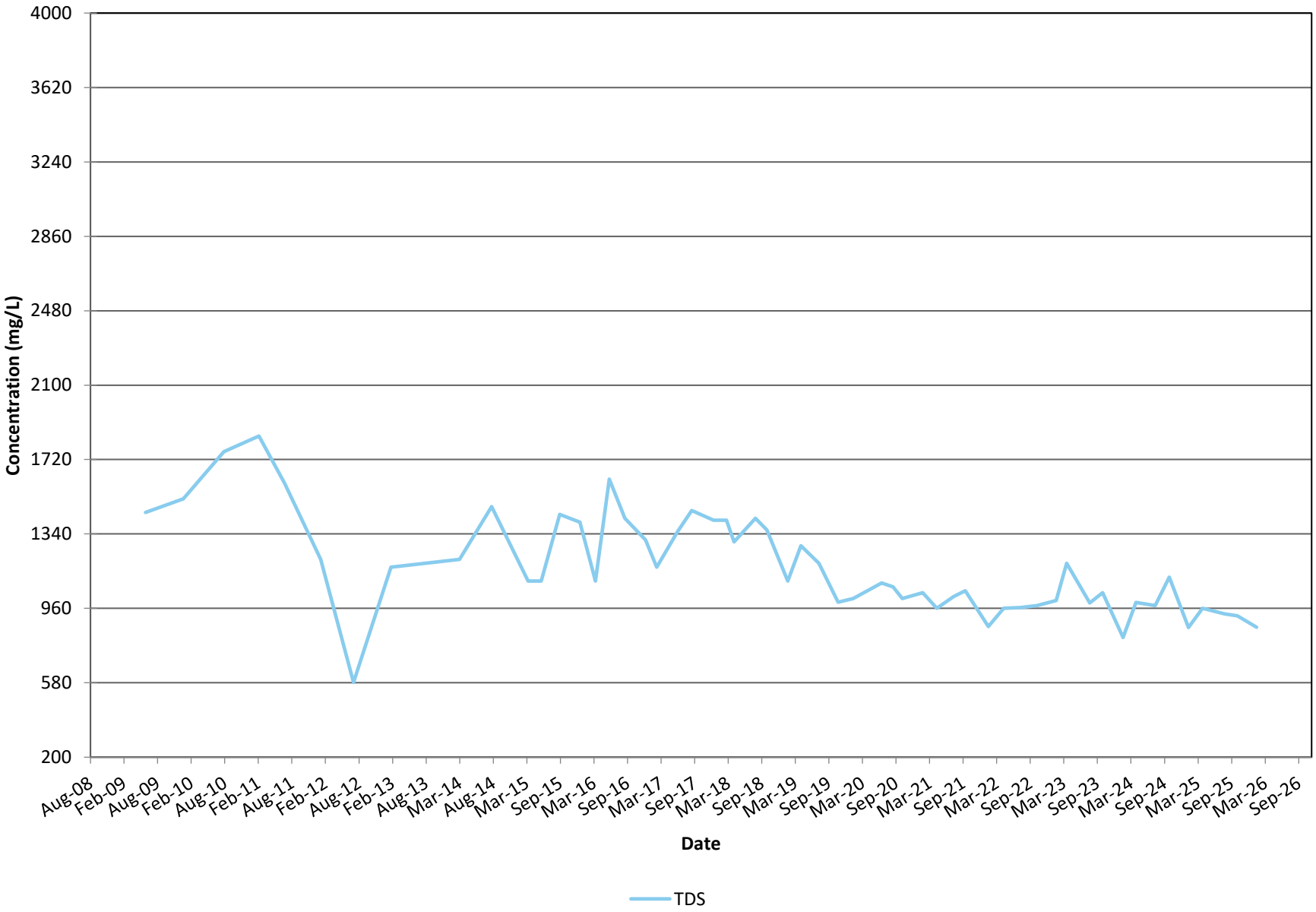
WW-South VOC CONCENTRATIONS OVER TIME



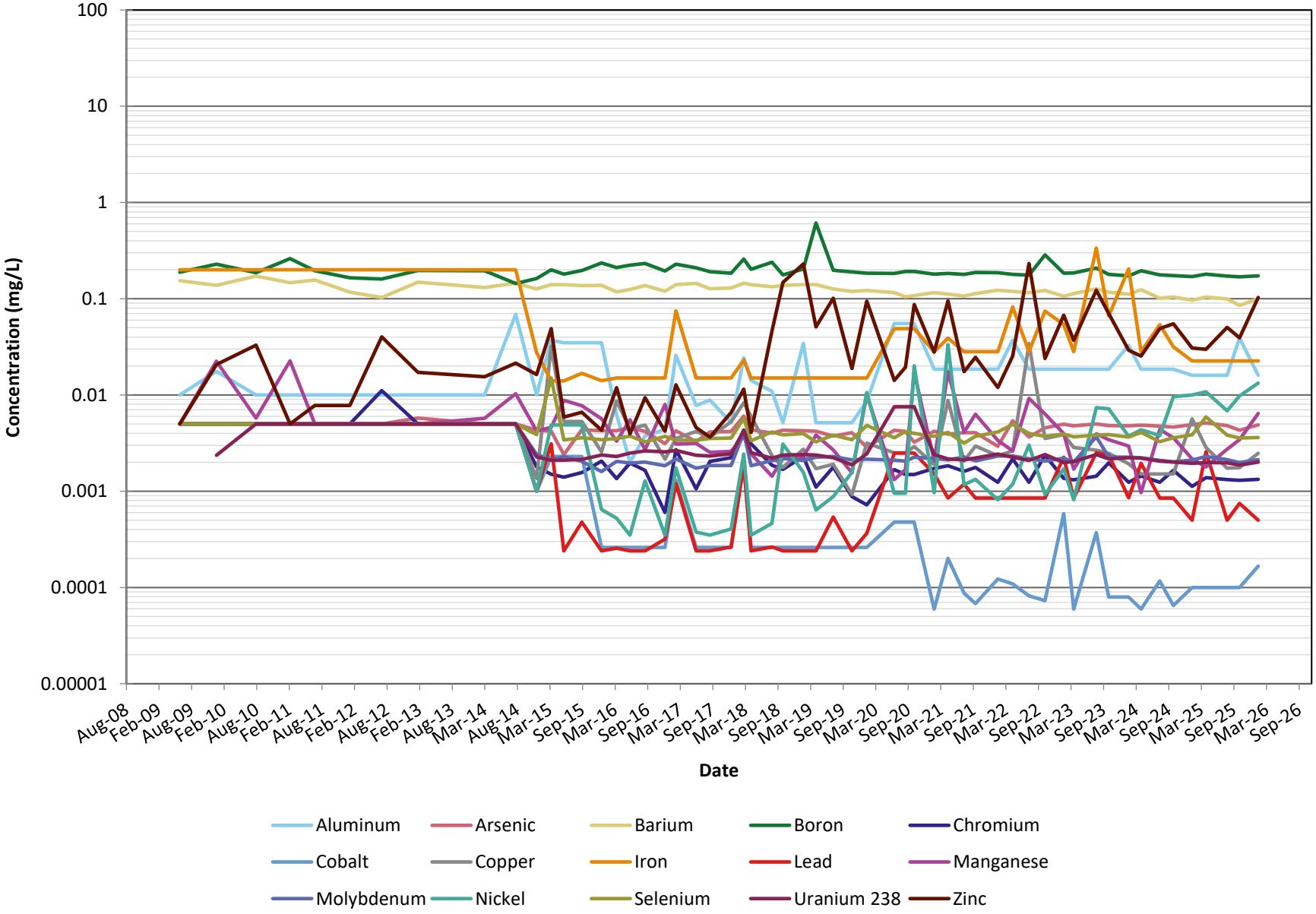
WW-South TPH CONCENTRATIONS OVER TIME



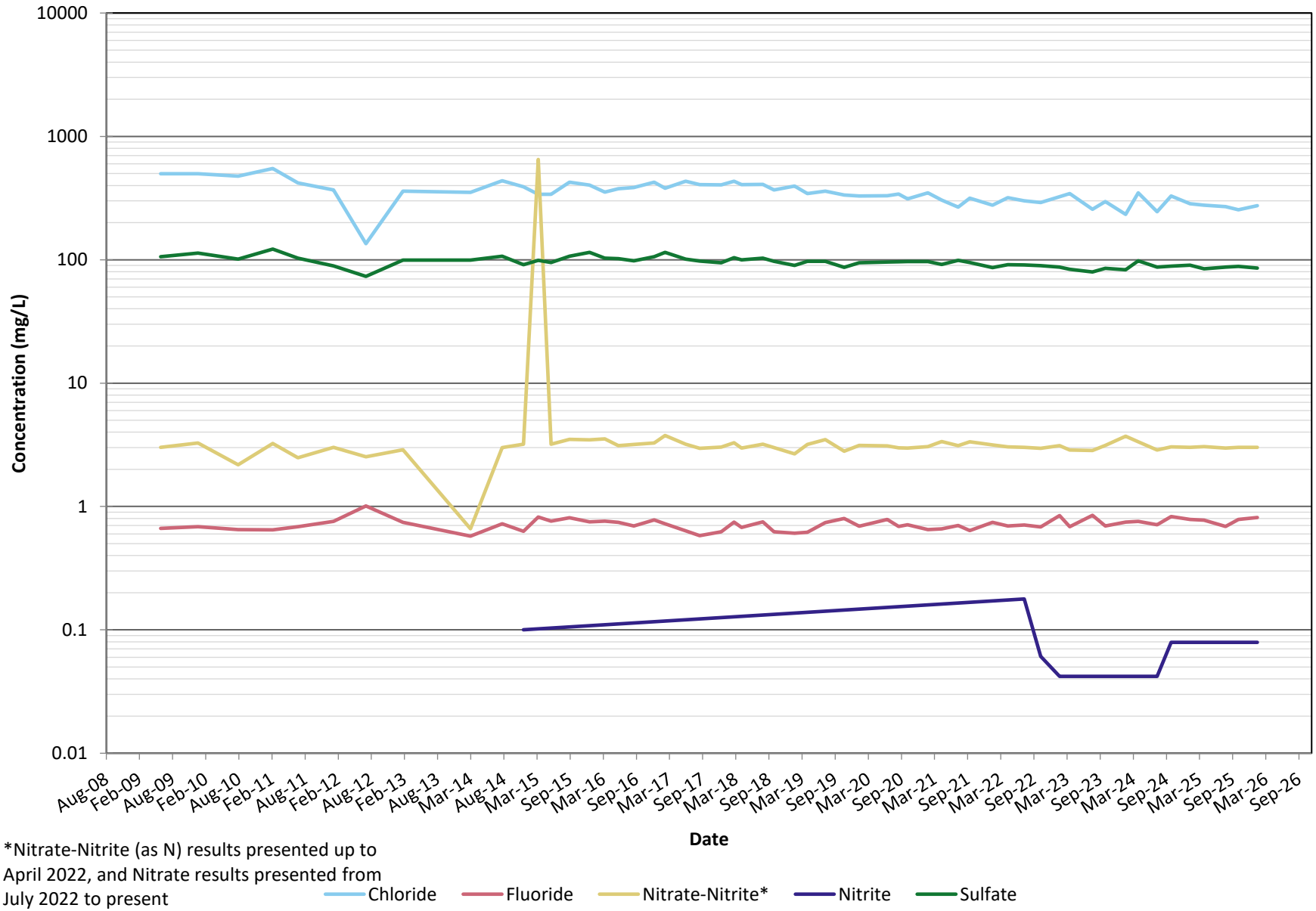
WW-South TDS CONCENTRATIONS OVER TIME



WW-South METALS CONCENTRATIONS OVER TIME



WW-South ANIONS CONCENTRATIONS OVER TIME



*Nitrate-Nitrite (as N) results presented up to April 2022, and Nitrate results presented from July 2022 to present

APPENDIX E

QUALITY ASSURANCE/QUALITY CONTROL DATA SUMMARY

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APPENDIX E – QUALITY ASSURANCE/QUALITY CONTROL DATA SUMMARY

1.1 Semi-Annual and Quarterly Groundwater Samples

Data reported by Pace Analytical in Mount Juliet, Tennessee for the groundwater samples collected in January, April, July, and October 2025 were reviewed in accordance with the United States Environmental Protection Agency (USEPA) *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, November 2020), and *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, November 2020), modified for the individual methods, as applicable. Three water samples, one duplicate, and one trip blank were collected on January 15, 2025. Twenty-six water samples, three field duplicates, two equipment blanks, and two trip blanks were collected on April 3, 2025. Two water samples, one field duplicate, and one trip blank were collected on July 31, 2025. Thirteen water samples, two field duplicates, one equipment blank, and two trip blanks were collected on October 9, 2025. Samples were analyzed for one or more of the following parameters:

- Dissolved solids by Standard Method (SM) 2540C-2011
- Chloride, fluoride, sulfate, nitrate, and/or nitrite by SW-846 Method 9056A
- Total mercury by SW-846 Method 7470A
- Dissolved boron by SW-846 Method 6010D
- Dissolved metals by SW-846 Method 6020B
- Total Petroleum Hydrocarbons (TPH) Low Fraction by SW-846 Method 8015D
- Volatile organic compounds (VOCs) by SW-846 Method 8260B/D
- TPH High Fraction by SW-846 Methods 3511/8015D
- Semi-volatile organic compounds (SVOCs) by SW-846 Method 8270C/E

TRC Quality Assurance (QA) staff reviewed the data. Four data packages identified as L1817497, L1843532 (Revised June 30, 2025), L1884056, and L1906747 were reviewed. Data were reviewed for compliance with the analytical protocols used for sample analysis and laboratory-defined quality control (QC) limits. Items reviewed during the data evaluation process included the following:

- Sample integrity, preservation, and holding times
- Blank analyses

- Surrogate recoveries
- Matrix spike and matrix spike duplicate (MS/MSD) recoveries and relative percent differences (RPDs)
- Laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recoveries and RPDs
- Field duplicate and laboratory duplicate results
- Sample documentation

Data interpretation issues are identified in the following subsections. QC data indicate that measurement data are sufficient to meet method quality objectives, reported data are defensible, and QC mechanisms were generally effective in ensuring measurement data reliability within the expected limits of sampling and analytical error with the following exceptions.

- In April 2025, total mercury recovered significantly below the acceptance limits (i.e., <30%) in the MS/MSD analyses performed on sample MW-33. Therefore, the nondetect mercury result in sample MW-33 is not usable for project objectives.
- In April 2025, acetone did not recover (i.e., 0%) in the MS/MSD analyses performed on sample MW-33. Therefore, the nondetect acetone result in sample MW-33 is not usable for project objectives.
- In October 2025, total mercury recovered significantly below the acceptance limits (i.e., <30%) in the MS/MSD analyses performed on sample MW-33. Therefore, the nondetect mercury result in sample MW-33 is not usable for project objectives.

Several dilutions were performed and/or reduced volumes were utilized in preparation of select samples likely due to elevated concentrations of target and/or non-target analytes or matrix interferences; therefore, reported method detection limits (MDL) and method quantitation limits (MQL) (also referred to as reporting detection limit [RDL]) may be elevated in some cases.

1.1.1 Sample Integrity, Preservation, and Holding Times

Except as noted below, samples were received at the laboratory properly preserved and in good condition and samples were prepared and/or analyzed within the required holding times.

- In April 2025, nitrate and nitrite were analyzed up to one hour and thirty-four minutes outside of the 48-hour holding time in sample DUP-03 (MW-33). Therefore, the nondetect nitrate and nitrite results may be biased low in this sample. The nitrate and nitrite analyses of the original sample, MW-33, were performed within the holding time.

- In April 2025, sample MW-2 was analyzed for dissolved solids greater than 7 days but less than 8 days after the 7-day holding time expired. There is no adverse impact on the data usability due to this issue since the sample was analyzed for dissolved solids on the 7th day after collection.

- In April 2025, samples MW-32 and MW-33 for TPH Low Fraction were received with a pH >2. This pH issue shortens the extraction holding time to seven days and these samples were extracted for TPH Low Fraction 11 days after collection (4 days outside of the holding time). Therefore, potential low bias exists for the nondetect TPH Low Fraction results in samples MW-32 and MW-33.

- In April 2025, the results for bis(2-ethylhexyl)phthalate in MW-19R were reported from batch WG2484763 at 0.00963 mg/L within holding time and batch WG2491138 out of holding time at <0.000895 mg/L. The bis(2-ethylhexyl)phthalate result generated within the holding time was used for project objectives.

1.1.2 Surrogates

In January, April, July, and October 2025, there were no surrogate recovery nonconformances in the VOC, SVOC, TPH Low Fraction, and/or TPH High Fraction analyses.

1.1.3 Laboratory Method Blanks

Sample results were compared to associated blank results using a five times rule rather than the applicable USEPA guidance in order to remain consistent with historical evaluations.

- In January 2025, carbon disulfide was detected in the laboratory method blank at a concentration of 0.000316 J mg/L in QC batch WG2434876. The carbon disulfide result in associated samples WW-NORTH, WW-SOUTH, WW-EAST, DUP-01, and TRIP BLANK were less than five times the method blank concentration; therefore, these sample results may include measurement contributions from laboratory sources.

- In April 2025, chloride was detected in one of the laboratory method blanks at a concentration of 2.89 mg/L in QC batch WG2483313. The chloride results in the associated samples (MW-3, MW-33, WW-SOUTH, WW-EAST, DUP-01 [WW-SOUTH], and DUP-03 [MW-33]) were greater than 5x the method blank results, so no data interpretation issues were noted due to the chloride detection.
- In April 2025, dissolved copper was detected in one of the laboratory method blanks at a concentration of 0.000890 J mg/L in QC batch WG2484488. The dissolved copper results in associated samples MW-1 and MW-14R were less than five times the method blank concentration; therefore, these sample results may include measurement contributions from laboratory sources.
- In October 2025, dissolved lead was detected in two of the laboratory method blanks at concentrations of 0.000657 J mg/L and 0.000616 J mg/L in QC batch WG2619195. The dissolved lead results in associated samples MW-6, MW-15R, MW-29R, MW-32, MW-33, WW-SOUTH, WW-EAST, DUP-01, and DUP-02 were less than five times the method blank concentration; therefore, these sample results may include measurement contributions from laboratory sources.

1.1.4 Equipment Blanks

Sample results were compared to associated equipment blank results using a five times rule rather than the applicable USEPA guidance in order to remain consistent with historical evaluations. Sample results for analytes that were either greater than five times the equipment blank concentration or nondetect were not impacted by the equipment blank results and therefore are not discussed below. Samples collected from the water wells (WW-SOUTH, WW-NORTH, or WW-EAST) are not associated with equipment blanks.

- In April 2025, dissolved cobalt, dissolved lead, dissolved zinc, acetone, carbon disulfide, chloromethane, 2-hexanone, 2-butanone, benzaldehyde, and dimethyl phthalate were detected in equipment blank EB-01 at concentrations of 0.000117 J mg/L, 0.00253 mg/L, 0.00517 J mg/L, 0.0123 J mg/L, 0.00420 mg/L, 0.00491 mg/L, 0.00105 J mg/L, 0.0159 mg/L, 0.00521 J mg/L, and 0.000332 J mg/L, respectively. Dissolved lead was detected in equipment blank EB-02 at a concentration of 0.00242 mg/L. Equipment blanks were not analyzed for anions and TDS. The following results were detected at concentrations less than five times the maximum equipment blank concentration, as applicable:
    - 2-Butanone: MW-20R;

- Dissolved Cobalt: MW-1, MW-6, MW-12R2, MW-13R, MW-16R, MW-19R, MW-20R, MW-28R, MW-29R, MW-33, and DUP-03 (MW-33);
- Dissolved Lead: MW-11R, MW-12R2, MW-15R, MW-16R, MW-18R, MW-19R, MW-20R, MW-24R, MW-28R, MW-29R, MW-32, MW-33, WW-SOUTH, WW-EAST, DUP-01 (WW-SOUTH), DUP-02 (MW-32), and DUP-03 (MW-33); and
- Dissolved Zinc: MW-12R2, MW-13R, MW-15R, MW-28R, MW-29R, and DUP-01 (WW-SOUTH).

- In October 2025, phenol was detected in equipment blank EB-01 at a concentration of 0.00336 J mg/L. Phenol was not detected in the associated samples; therefore, there are no data interpretation issues due to the equipment blank detection.

1.1.5 Trip Blanks

In April, July, and October 2025, there were no detections in the trip blank samples.

- In January 2025, carbon disulfide was detected in the trip blank at a concentration of 0.000201 J mg/L. As discussed in Section 1.1.3 above, carbon disulfide in the trip blank may include measurement contributions from laboratory sources; therefore, there are no data interpretation issues due to the trip blank detection.

1.1.6 LCS/LCSDs

- In January 2025, the LCS/LCSD recoveries for bromoethane (228%/212%) were above the laboratory-defined limits (10.0-160%) in QC batch WG2434876. Bromomethane was not detected in the associated samples; therefore, there are no data interpretation issues due to this nonconformance.
- In January 2025, the LCS recovery for pentachlorophenol (17.2%) was below the laboratory-defined limits (23.0-120%) in QC batch WG2434941. Pentachlorophenol was not detected in the associated samples, WW-NORTH, WW-SOUTH, WW-EAST, and DUP-01; therefore, the nondetect results may be considered, biased low.
- In April 2025, the LCS recovery for dissolved nickel (167%) was above the laboratory-defined limits (80.0-120%) in QC batch WG2484488. Dissolved nickel was detected in associated samples MW-5, MW-6, MW-8, MW-11R, and MW-13R; therefore, the dissolved nickel results in samples MW-5, MW-6, MW-8, MW-11R, and MW-13R may be estimated, biased high.

- In April 2025, the LCS recoveries for carbon disulfide (130%) and trans-1,3-dichloropropene (77.6%) were outside the laboratory-defined limits (61.0-128% and 78.0-124%, respectively) in QC batch WG2483997. Also, the LCS recovery for cis-1,3-dichloropropene (79.0%) was below the laboratory-defined limits (80.0-123%) in QC batch WG2488939. Carbon disulfide, trans-1,3-dichloropropene, and cis-1,3-dichloropropene were not detected in all associated samples from April 2025; therefore, the nondetect results for trans-1,3-dichloropropene in the associated samples (MW-1, MW-2, MW-5, MW-6, MW-8, MW-11R, MW-12R2, MW-13R, MW-14R, MW-15R, MW-16R, MW-18R, MW-19R, MW-20R, MW-24R, MW-28R, MW-29R, MW-32, and MW-33) and the nondetect results for cis-1,3-dichloropropene in the associated samples (WW-EAST, DUP-01 [WW-SOUTH], DUP-02 [MW-32], DUP-03 [MW-33], EB-01, EB-02, TRIP BLANK-01, and TRIP BLANK-02) may be estimated, biased low. No data interpretation issues were noted for the nondetect results for carbon disulfide due to the high recovery.

- In April 2025, the LCS/LCSD RPDs for several SVOCs (range: 20.3-174%) were above the laboratory-defined limits (range: 20-33%) and the LCS and/or LCSD recoveries for several SVOCs (range 9.66-171%) were outside the laboratory-defined limits (range: 10.0-122%) in QC batch WG2484763. There were no detections of acenaphthylene, benzo(a)pyrene, benzo(g,h,i)perylene, chrysene, dibenz(a,h)anthracene, 3,3-dichlorobenzidine, hexachlorocyclopentadiene, indeno(1,2,3-cd)pyrene, n-nitrodiphenylamine, 2,4-dimethylphenol, and pentachlorophenol in associated samples MW-5, MW-6, MW-11R, MW-13R, MW-14R, MW-15R, MW-16R, MW-18R, MW-19R, and MW-20R; therefore, these nondetect results for these compounds in the associated samples may be considered estimated based on the low LCS and/or LCSD recoveries. Since the affected SVOCs were not detected in the associated samples, there are no data interpretation issues due to the RPD nonconformances or the high recovery of 4-nitrophenol.

- In April 2025, the LCS recoveries for 2,4-dimethylphenol (27.0%) and 4-chloroaniline (20.8%) were below the laboratory-defined limits (33.0-120% and 25.0-120%, respectively) in QC batch WG2484767. Therefore, the nondetect 2,4-dimethylphenol and 4-chloroaniline results in associated samples MW-12R2, MW-24R, MW-28R, MW-29R, MW-32, MW-33, WW-SOUTH, WW-EAST, DUP-01 (WW-SOUTH), DUP-02 (MW-32), DUP-03 (MW-33), EB-01, and EB-02 may be considered estimated.

- In July 2025, the LCS/LCSD RPD for acetone (28.6%) was above the laboratory-defined limit (27%) in QC batch WG2571875. Acetone was not detected in associated samples, so no data interpretation issues were noted for the nondetect results.
- In July 2025, the LCS recovery for 4-nitrophenol (154%) was above the laboratory-defined limits (10.0-120%) in QC batch WG2576898. 4-Nitrophenol was not detected in the associated sample WW-SOUTH, so no data interpretation issues were noted.
- In July 2025, the LCS and/or LCSD recoveries for n-nitrosodiphenylamine (43.4%/46.8%) and 4-nitrophenol (ok/146%) were outside laboratory-defined limits (47.0-120% and 10.0-120%, respectively) and the LCS/LCSD RPD for hexachlorocyclopentadiene (38.1%), 4-chloroaniline (39.4%), and 4-nitrophenol (145%) were above the laboratory-defined limits (31%, 25%, and 33%, respectively) in QC batch WG2577316. N-nitrosodiphenylamine was nondetect in associated samples WW-East and DUP-01 (WW-SOUTH), so the nondetect results may be biased low. Hexachlorocyclopentadiene, 4-chloroaniline, and 4-nitrophenol were not detected in associated samples, so no data interpretation issues were noted for the nondetect results.
- In October 2025, the LCS/LCSD recoveries for acetone (165%/172%) were outside the laboratory-defined limits (19.0-160%) in QC batch WG2618659. Acetone was not detected in the associated samples, MW-11R, MW-12R2, MW-32, MW-33, WW-SOUTH, and WW-EAST; therefore, there are no data interpretation issues due to this nonconformance.

1.1.7 MS/MSDs

The following table summarizes the MS and/or MSD analyses performed on samples in these data sets.

Sample ID	Analytical Parameters
January 2025	
WW-NORTH	Dissolved Boron
April 2025	
MW-1	Chloride, Fluoride, Sulfate, Nitrate, Nitrite
MW-5	Chloride, Fluoride, Sulfate, Nitrate, Nitrite
MW-11R	Total Mercury
MW-12R2	Chloride
MW-13R	Dissolved Boron
MW-14R	Dissolved Metals (except Dissolved Boron)
MW-16R	Total Mercury

Sample ID	Analytical Parameters
MW-32	Chloride
MW-33	VOCs, SVOCs, TPH Low Fraction, TPH High Fraction, Total Mercury, Dissolved Metals, Chloride, Fluoride, Sulfate, Nitrate, Nitrite
July 2025	
WW-SOUTH	Dissolved Boron
October 2025	
MW-33	VOCs, SVOCs, TPH Low Fraction, TPH High Fraction, Total Mercury, Dissolved Metals (including Dissolved Boron), Chloride, Fluoride, Sulfate, Nitrate, Nitrite
MW-15R	Total Mercury, Dissolved Metals (including Dissolved Boron), Chloride, Fluoride, Sulfate, Nitrate, Nitrite

- In April 2025, the recoveries for chloride (55.0%/54.0%) and sulfate (64.0%/62.9%) in the MS/MSD analyses performed on sample MW-1 were below laboratory-specified limits (80.0-120%) in QC batch WG2483312. Also, the recoveries of chloride (53.7%/61.2%) in the MS/MSD analyses performed on sample MW-33 were below the laboratory-specified limit (80.0-120%) in QC batch WG2483313. Therefore, the detected chloride and sulfate results in all field samples collected in April 2025, except samples MW-5 (chloride and sulfate), MW-12R2 (chloride only), MW-32 (chloride only), and MW-33 (sulfate only), may be biased low.

- In April 2025, the recoveries for total mercury (19.6%/19.6%) in the MS/MSD analyses performed on sample MW-33 were below laboratory-defined limits (75.0-125%) in QC batch WG2484040. The laboratory also flagged the result for total mercury in the parent sample with an "O1" flag, which the laboratory indicated via email was because the post digestion spike result (21.1%) recovered below the low-limit acceptance limit (80%). Therefore, the nondetect total mercury result in MW-33 is not usable for project objectives due to the significantly low (<30%) MS/MSD recoveries. Since the recoveries for total mercury in the MS/MSD analyses performed on samples MW-11R and MW-16R met laboratory-defined limits, the results for total mercury in the remaining field samples from April 2025, except samples MW-11R and MW-16R, were considered usable for project objectives but may be considered biased low.

- In April 2025, the MS recoveries for dissolved barium (133%) and dissolved manganese (132%) in the MS/MSD analyses performed on sample MW-33 were above the laboratory-specified limits (75.0-125%) in QC batch WG2484489. However, the concentration of dissolved barium and dissolved manganese in the unspiked sample were greater than four times the concentrations spiked; therefore, the

recoveries of dissolved barium and dissolved manganese were not used to evaluate potential matrix effects.

- In April 2025, the MS/MSD RPD for TPH Low Fraction (22.4%) in the MS/MSD performed on sample MW-33 was above the laboratory-defined limit (22%) in QC batch WG2489699. TPH Low Fraction was not detected in the parent sample, so there are no data interpretation issues noted due to this nonconformance.

- In April 2025, there was no recovery for acetone (0.0%/0.0%) in the MS/MSD analyses performed on sample MW-33 in QC batch WG2483997. Therefore, the nondetect acetone result in sample MW-33 from April 2025 is not usable for project objectives due to the significantly low (<20%) MS/MSD recoveries.

- In April 2025, the MS/MSD RPDs for several SVOCs (range: 21.8-43.9%) were above the laboratory-defined limits (range: 21-31%) in the MS/MSD analyses performed on sample MW-33 in QC batch WG2484767. Since none of the affected SVOCs were detected in sample MW-33, there are no data interpretation issues due to the RPD nonconformances.

- In October 2025, the recoveries for total mercury (27.4%/27.0%) in the MS/MSD analyses performed on sample MW-33 were below laboratory-defined limits (75.0-125%) in QC batch WG2618262. The laboratory also flagged the result for total mercury in the parent sample with an “O1” flag, which the laboratory indicated was because the post digestion spike result recovered below the low-limit acceptance limit. Therefore, the nondetect total mercury result in MW-33 is not usable for project objectives due to the significantly low (<30%) MS/MSD recoveries. Since the recoveries for total mercury in the MS/MSD analyses performed on sample MW-15R met laboratory-defined limits, the results for total mercury in the remaining field samples from October 2025 were considered usable for project objectives but may be considered biased low.

- In October 2025, the recoveries for chloride (58.5%/40.4%) in the MS/MSD analyses performed on sample MW-33 were below laboratory-specified limits (80.0-120%) in QC batch WG2618041. Also, the recoveries of chloride (0.00%/0.00%) and sulfate (52.6% and 53.1%) in the MS/MSD analyses performed on sample MW-15R were below the laboratory-specified limit (80.0-120%) in QC batch WG2618041. It should be noted that the concentration of chloride in sample MW-15R is greater than 4x the spike concentration and no validation actions are required on this basis. Therefore,

the detected sulfate results in all field samples and detected chloride results in all field samples except sample MW-15R may be biased low.

1.1.8 Laboratory Duplicates

The following table summarizes the laboratory duplicate analyses performed with these data sets.

Sample ID	Analytical Parameters
January 2025	
None	
April 2025	
MW-1	Chloride, Fluoride, Sulfate, Nitrate, Nitrite
MW-5	Chloride, Fluoride, Sulfate, Nitrate, Nitrite
MW-12R2	Chloride
MW-16R	Total Mercury
MW-23R	Dissolved Solids
MW-32	Dissolved Solids, Chloride
MW-33	Chloride, Fluoride, Sulfate, Nitrate, Nitrite
DUP-02	Dissolved Solids
DUP-03	Dissolved Solids
July 2025	
None	
October 2025	
MW-33	Chloride, Fluoride, Sulfate, Nitrate, Nitrite
MW-15R	Chloride, Fluoride, Sulfate, Nitrate, Nitrite

Laboratory duplicate data met acceptance criteria for all samples included in this data set.

1.1.9 Field Duplicates

The following table lists the original sample and duplicate pairs for each data set.

Sample ID	Duplicate Sample ID
January 2025	
WW-SOUTH	DUP-01
April 2025	
WW-SOUTH	DUP-01
MW-32	DUP-02
MW-33	DUP-03
July 2025	
WW-SOUTH	DUP-01
October 2025	
WW-SOUTH	DUP-01

Sample ID	Duplicate Sample ID
MW-32	DUP-02

Field duplicate acceptance criteria are as follows: RPD is <30% when both results are >5x the MQL; when one or both the original and duplicate results are <5x the MQL, then the absolute difference must be < the MQL. Field duplicate data that did not meet acceptance criteria are discussed below:

- In January 2025, the original sample result for dissolved nickel was equal to 5x the MQL and the field duplicate result for dissolved nickel was <5x the MQL in the field duplicate pair WW-SOUTH/DUP-01. The absolute difference between the results (0.00201 mg/L) was > the MQL (0.002 mg/L). Therefore, the results for dissolved nickel in field samples collected in January 2025 may be considered estimated.

- In April 2025, the original result for dissolved nickel was >5x the MQL and the duplicate result was <5x the MQL in the field duplicate pair WW-SOUTH/DUP-01. Also, the original and duplicate results for dissolved selenium were <5x the MQL. The absolute differences between dissolved nickel (0.00282 mg/L) and dissolved selenium (0.0.00247 mg/L) were > the MQL (0.0.002 mg/L for both). Therefore, the results for dissolved nickel and dissolved selenium in field samples collected in April 2025, except samples MW-32, MW-33, DUP-02, and DUP-03, may be considered estimated.

- In April 2025, the original results for chloride and nitrate were >5x the MQL and the duplicate results were <5x the MQL in the field duplicate pair MW-32/DUP-02. Also, the original and duplicate results for fluoride and sulfate were <5x the MQL. The absolute differences between chloride (22.54 mg/L), fluoride (0.221 mg/L), nitrate (11.2 mg/L), and sulfate (95.3 mg/L) were > the MQL (5.00 mg/L, 0.150 mg/L, 0.500 mg/L, and 25.0 mg/L, respectively). Therefore, the results for chloride, fluoride, nitrate, and sulfate in field samples collected in April 2025, except samples WW-SOUTH, MW-33, DUP-01, and DUP-03, may be considered estimated.

- In July 2025, the original and duplicate results for dissolved nickel were <5x the MQL in the field duplicate pair WW-SOUTH/DUP-01. The absolute difference between WW-SOUTH/DUP-01 for dissolved nickel (0.00382 mg/L) was > than its MQL (0.00200 mg/L). Therefore, the results for dissolved nickel in field samples collected in July 2025 may be considered estimated.

- In October 2025, the original and duplicate results for dissolved nickel were <5x the MQL in the field duplicate pair WW-SOUTH/DUP-01. The absolute difference between WW-SOUTH/DUP-01 for dissolved nickel (0.00589 mg/L) was > the MQL (0.00200 mg/L). Therefore, the results for dissolved nickel in field samples collected in October 2025 may be considered estimated.

APPENDIX F

LNAPL GAUGING AND RECOVERY RESULTS, MONITORING WELL MW-31

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Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
2/9/2017	105.04	98.92	6.12	3,719.22	100.52	99.81	0.71	3,719.24	7.50	7.50
3/3/2017	102.71	99.39	3.32	3,719.22	100.30	99.90	0.40	3,719.20	3.28	10.8
3/8/2017	101.21	99.57	1.64	3,719.32	99.95	99.83	0.12	3,719.32	1.19	12.0
3/15/2017	101.48	99.45	2.03	3,719.38	99.98	99.82	0.16	3,719.32	1.59	13.5
3/22/2017	101.84	99.34	2.50	3,719.41	100.07	99.99	0.08	3,719.17	1.72	15.3
3/29/2017	101.73	99.42	2.31	3,719.36	100.47	100.37	0.10	3,718.78	1.72	17.0
4/4/2017	101.79	99.47	2.32	3,719.31	100.27	100.11	0.16	3,719.03	1.85	18.8
4/12/2017	101.77	99.37	2.40	3,719.40	100.30	100.10	0.20	3,719.04	1.85	20.7
4/19/2017	101.71	99.40	2.31	3,719.38	100.27	100.17	0.10	3,718.98	1.72	22.4
4/24/2017	101.48	99.45	2.03	3,719.38	100.09	99.77	0.32	3,719.35	1.66	24.1
4/25/2017	100.68	99.67	1.01	3,719.33	99.83	99.78	0.05	3,719.38	0.96	25.0
4/26/2017	100.82	99.56	1.26	3,719.40	100.02	99.75	0.27	3,719.37	2.50	27.5
4/27/2017	100.51	99.61	0.90	3,719.41	99.88	99.73	0.15	3,719.41	1.50	29.0
4/28/2017	100.73	99.55	1.18	3,719.42	99.68	99.59	0.09	3,719.56	1.00	30.0
5/4/2017	101.44	99.52	1.92	3,719.33	100.33	99.74	0.59	3,719.33	1.45	31.5
5/11/2017	101.59	99.59	2.00	3,719.24	100.00	99.89	0.11	3,719.26	1.85	33.3
5/16/2017	101.78	99.62	2.16	3,719.19	100.30	99.83	0.47	3,719.26	1.45	34.8
5/18/2017	101.73	99.58	2.15	3,719.23	100.37	99.43	0.94	3,719.58	1.32	36.1
5/24/2017	101.85	99.38	2.47	3,719.37	100.89	99.98	0.91	3,719.04	1.72	37.8
5/31/2017	101.49	99.55	1.94	3,719.29	100.26	99.38	0.88	3,719.64	1.19	39.0
6/12/2017	103.28	99.50	3.78	3,719.03	100.80	99.96	0.84	3,719.07	2.51	41.5
6/23/2017	101.78	99.61	2.17	3,719.19	100.04	99.83	0.21	3,719.30	1.32	42.8
6/26/2017	101.71	99.70	2.01	3,719.13	100.27	99.87	0.40	3,719.23	1.45	44.3
6/29/2017	101.59	99.54	2.05	3,719.28	100.56	99.89	0.67	3,719.17	1.45	45.7
7/6/2017	100.78	99.65	1.13	3,719.33	100.02	99.63	0.39	3,719.47	1.72	47.5
7/11/2017	101.48	99.59	1.89	3,719.26	100.37	99.67	0.70	3,719.38	1.32	48.8
7/13/2017	103.58	99.91	3.67	3,718.64	101.13	100.42	0.71	3,718.63	1.98	50.8
7/18/2017	102.90	99.98	2.92	3,718.70	101.11	100.32	0.79	3,718.72	1.72	52.5
7/21/2017	101.54	99.54	2.00	3,719.29	--	--	--	--	1.32	53.8
8/22/2017	101.03	100.41	0.62	3,718.66	--	--	--	--	0.26	54.1
8/23/2017	101.01	100.04	0.97	3,718.97	--	--	--	--	0.26	54.3
8/29/2017	101.46	100.36	1.10	3,718.62	--	--	--	--	0.26	54.6
8/31/2017	101.45	100.35	1.10	3,718.63	--	--	--	--	0.26	54.9
9/5/2017	101.35	100.31	1.04	3,718.68	--	--	--	--	0.26	55.1
9/7/2017	101.13	100.25	0.88	3,718.77	--	--	--	--	0.26	55.4
9/11/2017	101.47	100.36	1.11	3,718.62	--	--	--	--	0.26	55.6
9/12/2017	101.45	100.35	1.10	3,718.63	--	--	--	--	0.26	55.9
9/14/2017	101.44	100.36	1.08	3,718.63	--	--	--	--	0.26	56.2
9/18/2017	101.47	100.27	1.20	3,718.70	--	--	--	--	0.26	56.4
9/19/2017	101.38	100.23	1.15	3,718.75	--	--	--	--	0.26	56.7
9/20/2017	101.44	100.32	1.12	3,718.66	--	--	--	--	0.26	57.0
9/22/2017	101.40	100.28	1.12	3,718.70	--	--	--	--	0.26	57.2
9/25/2017	101.47	100.25	1.22	3,718.71	--	--	--	--	0.26	57.5

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
9/26/2017	101.45	100.36	1.09	3,718.63	--	--	--	--	0.26	57.8
9/27/2017	101.45	100.35	1.10	3,718.63	--	--	--	--	0.26	58.0
9/28/2017	101.13	100.20	0.93	3,718.81	--	--	--	--	0.26	58.3
10/2/2017	101.47	100.25	1.22	3,718.71	--	--	--	--	0.26	58.5
10/3/2017	101.45	100.36	1.09	3,718.63	--	--	--	--	0.26	58.8
10/4/2017	102.67	100.14	2.53	3,718.60	--	--	--	--	0.26	59.1
10/5/2017	102.73	100.10	2.63	3,718.63	--	--	--	--	0.26	59.3
10/9/2017	101.44	100.36	1.08	3,718.63	--	--	--	--	0.26	59.6
10/10/2017	101.46	100.36	1.10	3,718.62	--	--	--	--	0.26	59.9
10/12/2017	102.67	100.14	2.53	3,718.60	--	--	--	--	0.26	60.1
10/13/2017	102.50	100.05	2.45	3,718.71	--	--	--	--	0.26	60.4
10/16/2017	102.46	100.05	2.41	3,718.71	--	--	--	--	0.26	60.7
10/17/2017	102.56	100.23	2.33	3,718.55	--	--	--	--	0.26	60.9
10/18/2017	102.22	100.23	1.99	3,718.61	--	--	--	--	0.26	61.2
10/19/2017	102.71	99.89	2.82	3,718.81	--	--	--	--	0.26	61.5
10/23/2017	102.62	100.15	2.47	3,718.60	--	--	--	--	0.26	61.7
10/24/2017	101.87	99.57	2.30	3,719.21	--	--	--	--	0.26	62.0
10/25/2017	101.88	99.87	2.01	3,718.96	--	--	--	--	0.26	62.2
10/31/2017	102.82	100.00	2.82	3,718.70	--	--	--	--	0.26	62.5
11/1/2017	102.70	100.02	2.68	3,718.70	--	--	--	--	0.26	62.8
11/2/2017	102.72	100.00	2.72	3,718.71	--	--	--	--	0.26	63.0
11/3/2017	102.41	100.05	2.36	3,718.72	--	--	--	--	0.26	63.3
11/6/2017	102.44	100.13	2.31	3,718.65	--	--	--	--	0.26	63.6
11/7/2017	102.23	100.20	2.03	3,718.63	--	--	--	--	0.26	63.8
11/8/2017	102.43	100.25	2.18	3,718.55	--	--	--	--	0.26	64.1
11/13/2017	102.60	100.07	2.53	3,718.67	--	--	--	--	0.26	64.4
11/14/2017	102.35	100.12	2.23	3,718.67	--	--	--	--	0.26	64.6
11/15/2017	102.10	100.17	1.93	3,718.68	--	--	--	--	0.26	64.9
11/16/2017	101.88	100.21	1.67	3,718.68	--	--	--	--	0.26	65.2
11/17/2017	101.85	100.27	1.58	3,718.63	--	--	--	--	0.26	65.4
11/20/2017	102.05	100.15	1.90	3,718.70	101.12	100.40	0.72	3,718.65	1.45	66.9
11/22/2017	101.20	100.40	0.80	3,718.64	100.94	100.45	0.49	3,718.64	0.53	67.4
11/28/2017	101.05	100.47	0.58	3,718.60	--	--	--	--	0.26	67.7
11/29/2017	101.26	100.58	0.68	3,718.48	--	--	--	--	0.26	67.9
11/30/2017	101.27	100.56	0.71	3,718.49	--	--	--	--	0.26	68.2
12/1/2017	101.27	100.55	0.72	3,718.50	--	--	--	--	0.26	68.5
12/4/2017	101.30	100.67	0.63	3,718.39	--	--	--	--	0.26	68.7
12/5/2017	101.37	100.66	0.71	3,718.39	--	--	--	--	0.26	69.0
12/6/2017	101.23	100.50	0.73	3,718.55	--	--	--	--	0.26	69.2
12/7/2017	101.33	100.54	0.79	3,718.50	--	--	--	--	0.26	69.5
12/8/2017	101.28	100.56	0.72	3,718.49	--	--	--	--	0.26	69.8
12/12/2017	102.78	100.12	2.66	3,718.60	--	--	--	--	0.26	70.0
12/13/2017	102.75	100.09	2.66	3,718.63	--	--	--	--	0.26	70.3

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
12/14/2017	--	--	--	--	102.66	100.26	2.40	3,718.51	1.98	72.3
12/15/2017	101.28	100.48	0.80	3,718.56	--	--	--	--	0.26	72.6
12/18/2017	101.64	100.38	1.26	3,718.58	--	--	--	--	0.26	72.8
12/19/2017	101.60	100.34	1.26	3,718.62	--	--	--	--	0.26	73.1
12/21/2017	101.75	100.35	1.40	3,718.58	--	--	--	--	0.26	73.3
12/22/2017	101.66	100.43	1.23	3,718.53	--	--	--	--	0.26	73.6
1/2/2018	104.05	99.85	4.20	3,718.61	--	--	--	--	0.26	73.9
1/3/2018	104.10	99.93	4.17	3,718.54	--	--	--	--	0.26	74.1
1/4/2018	104.13	99.89	4.24	3,718.57	--	--	--	--	0.26	74.4
1/9/2018	104.14	99.88	4.26	3,718.57	--	--	--	--	0.26	74.7
1/12/2018	104.15	99.90	4.25	3,718.55	--	--	--	--	0.26	74.9
1/18/2018	104.63	99.82	4.81	3,718.54	--	--	--	--	0.26	75.2
1/19/2018	104.66	99.84	4.82	3,718.52	--	--	--	--	0.26	75.5
1/23/2018	104.68	99.93	4.75	3,718.44	--	--	--	--	0.26	75.7
1/26/2018	104.60	99.86	4.74	3,718.51	--	--	--	--	0.26	76.0
1/31/2018	105.51	99.70	5.81	3,718.49	--	--	--	--	0.26	76.2
2/2/2018	105.55	99.78	5.77	3,718.42	--	--	--	--	0.26	76.5
2/9/2018	--	--	--	--	105.68	99.35	6.33	3,718.75	1.72	78.2
2/14/2018	--	--	--	--	104.67	99.43	5.24	3,718.86	1.59	79.8
2/21/2018	--	--	--	--	105.51	99.73	5.78	3,718.47	1.45	81.3
3/6/2018	--	--	--	--	105.78	100.43	5.35	3,717.84	1.59	82.9
3/12/2018	--	--	--	--	105.77	100.35	5.42	3,717.91	1.32	84.2
3/16/2018	--	--	--	--	105.48	100.29	5.19	3,718.01	1.45	85.6
3/20/2018	--	--	--	--	106.26	99.75	6.51	3,718.32	1.06	86.7
3/21/2018	106.02	99.77	6.25	3,718.35	101.53	100.71	0.82	3,718.32	1.19	87.9
3/22/2018	102.04	100.06	1.98	3,718.78	101.38	100.78	0.60	3,718.29	1.32	89.2
3/26/2018	104.53	100.13	4.40	3,718.30	101.82	100.69	1.13	3,718.29	1.59	90.8
3/27/2018	102.45	100.06	2.39	3,718.71	101.53	100.79	0.74	3,718.26	1.19	92.0
3/28/2018	102.28	100.56	1.72	3,718.32	101.49	100.73	0.76	3,718.31	1.06	93.0
4/5/2018	105.55	100.05	5.50	3,718.19	101.34	100.90	0.44	3,718.20	5.00	98.0
4/11/2018	104.18	100.36	3.82	3,718.17	101.76	100.84	0.92	3,718.18	1.72	99.7
4/16/2018	105.03	100.26	4.77	3,718.11	101.73	100.89	0.84	3,718.14	3.70	103
4/19/2018	105.15	100.37	4.78	3,718.00	101.89	100.81	1.08	3,718.18	2.64	106
4/20/2018	104.05	100.32	3.73	3,718.22	101.53	100.73	0.80	3,718.31	2.77	109
4/24/2018	105.19	100.38	4.81	3,717.98	101.79	100.88	0.91	3,718.14	3.96	113
4/25/2018	104.20	100.29	3.91	3,718.22	101.39	100.79	0.60	3,718.28	3.43	116
4/30/2018	105.17	100.40	4.77	3,717.97	101.67	100.80	0.87	3,718.22	3.96	120
5/1/2018	104.67	100.52	4.15	3,717.95	101.49	100.03	1.46	3,718.89	2.77	123
5/3/2018	104.55	100.58	3.97	3,717.92	101.40	100.67	0.73	3,718.38	3.17	126
5/8/2018	105.09	100.41	4.68	3,717.97	101.77	100.08	1.69	3,718.81	1.59	128
5/9/2018	106.02	99.69	6.33	3,718.41	101.56	100.77	0.79	3,718.27	1.85	130
5/10/2018	105.67	99.70	5.97	3,718.47	101.64	100.71	0.93	3,718.30	2.25	132
5/14/2018	104.63	99.82	4.81	3,718.54	101.55	100.87	0.68	3,718.19	2.64	134

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
5/16/2018	104.32	100.58	3.74	3,717.96	101.49	100.98	0.51	3,718.10	2.25	137
5/17/2018	102.54	99.39	3.15	3,719.25	100.77	99.90	0.87	3,719.12	1.85	139
5/18/2018	102.09	100.1	1.99	3,718.74	101.35	100.81	0.54	3,718.27	1.85	140
5/21/2018	102.77	99.39	3.38	3,719.21	100.37	99.98	0.39	3,719.12	4.09	145
5/23/2018	101.78	99.57	2.21	3,719.23	99.89	99.83	0.06	3,719.33	1.85	146
5/24/2018	101.48	99.47	2.01	3,719.36	99.95	99.88	0.07	3,719.28	1.85	148
5/25/2018	101.44	99.61	1.83	3,719.25	100.29	99.83	0.46	3,719.26	1.98	150
5/30/2018	102.71	99.37	3.34	3,719.24	101.31	99.79	1.52	3,719.12	1.72	152
6/1/2018	101.79	99.47	2.32	3,719.31	100.32	99.89	0.43	3,719.21	1.85	154
6/4/2018	104.18	100.36	3.82	3,718.17	101.76	100.84	0.92	3,718.18	1.45	155
6/6/2018	106.51	100.53	5.98	3,717.63	102.16	101.38	0.78	3,717.66	1.45	157
6/7/2018	104.18	100.36	3.82	3,718.17	101.76	100.84	0.92	3,718.18	1.59	158
6/12/2018	105.03	100.26	4.77	3,718.11	101.73	100.29	1.44	3,718.64	1.59	160
6/14/2018	102.73	99.42	3.31	3,719.19	101.73	100.47	1.26	3,718.49	1.59	161
6/19/2018	101.44	99.54	1.90	3,719.31	100.33	99.74	0.59	3,719.33	1.72	163
6/20/2018	101.48	99.45	2.03	3,719.38	99.98	99.82	0.16	3,719.32	1.85	165
6/25/2018	101.20	100.4	0.80	3,718.64	100.94	100.45	0.49	3,718.64	1.85	167
6/27/2018	101.77	99.37	2.40	3,719.40	100.27	100.07	0.20	3,719.07	1.32	168
6/29/2018	101.57	99.82	1.75	3,719.06	100.73	99.87	0.86	3,719.16	1.72	170
7/3/2018	101.66	99.92	1.74	3,718.96	100.64	100.10	0.54	3,718.98	1.32	171
7/5/2018	101.45	99.79	1.66	3,719.10	100.32	99.81	0.51	3,719.27	1.32	173
7/10/2018	101.47	99.69	1.78	3,719.18	100.27	99.88	0.39	3,719.22	1.06	174
7/20/2018	101.21	99.57	1.64	3,719.32	100.21	99.83	0.38	3,719.28	1.19	175
7/25/2018	101.77	99.37	2.40	3,719.40	100.30	100.10	0.20	3,719.04	1.45	176
7/27/2018	101.78	99.62	2.16	3,719.19	100.30	99.83	0.47	3,719.26	1.32	178
7/30/2018	106.75	100.90	5.85	3,717.29	101.99	101.75	0.24	3,717.38	9.25	187
8/7/2018	101.48	99.45	2.03	3,719.38	100.09	99.77	0.32	3,719.35	1.32	188
8/10/2018	100.78	99.65	1.13	3,719.33	100.02	99.63	0.39	3,719.47	1.45	190
8/14/2018	103.58	99.91	3.67	3,718.64	101.13	100.42	0.71	3,718.63	1.59	191
8/16/2018	104.18	100.36	3.82	3,718.17	101.76	100.84	0.92	3,718.18	1.32	192
8/22/2018	101.73	99.58	2.15	3,719.23	100.37	99.43	0.94	3,719.58	1.59	194
8/23/2018	101.59	99.54	2.05	3,719.28	101.56	99.89	1.67	3,719.00	1.45	196
8/31/2018	106.02	99.77	6.25	3,718.35	101.53	100.71	0.82	3,718.32	1.72	197
9/3/2018	104.67	100.52	4.15	3,717.95	101.49	100.03	1.46	3,718.89	1.59	199
9/6/2018	105.67	99.70	5.97	3,718.47	101.64	100.71	0.93	3,718.30	1.72	201
9/11/2018	102.71	99.29	3.42	3,719.30	100.30	99.90	0.40	3,719.20	1.98	203
9/12/2018	101.77	99.37	2.40	3,719.40	100.30	100.10	0.20	3,719.04	1.59	204
9/19/2018	106.59	101.30	5.29	3,716.98	101.77	100.08	1.69	3,718.81	1.85	206
9/26/2018	104.57	101.46	3.11	3,717.19	102.55	100.20	2.35	3,718.57	1.85	208
10/1/2018	106.82	101.07	5.75	3,717.13	--	--	--	--	0.26	208
10/4/2018	106.78	101.09	5.69	3,717.12	102.77	101.91	0.86	3,717.12	4.76	213
10/5/2018	104.15	101.69	2.46	3,717.07	102.44	101.98	0.46	3,717.11	2.51	215
10/9/2018	105.96	101.36	4.60	3,717.04	102.64	102.01	0.63	3,717.05	4.49	220

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
10/11/2018	105.12	101.55	3.57	3,717.02	102.57	102.10	0.47	3,716.99	3.43	223
10/16/2018	105.63	101.27	4.36	3,717.17	102.32	102.20	0.12	3,716.95	4.49	228
10/18/2018	106.58	101.63	4.95	3,716.71	102.87	102.53	0.34	3,716.58	3.70	231
10/23/2018	105.83	101.37	4.46	3,717.05	102.85	102.68	0.17	3,716.46	3.70	235
10/25/2018	105.67	101.73	3.94	3,716.78	101.86	101.53	0.33	3,717.58	4.49	240
10/30/2018	104.68	101.43	3.25	3,717.19	102.74	102.59	0.15	3,716.55	3.70	243
11/1/2018	105.23	101.77	3.46	3,716.82	102.56	101.98	0.58	3,717.09	3.70	247
11/6/2018	105.55	101.96	3.59	3,716.61	102.54	102.38	0.16	3,716.76	4.23	251
11/8/2018	105.78	101.68	4.10	3,716.80	102.68	102.53	0.15	3,716.61	2.64	254
11/13/2018	105.66	101.67	3.99	3,716.83	102.53	102.36	0.17	3,716.78	2.64	257
11/14/2018	105.23	101.78	3.45	3,716.81	102.47	102.26	0.21	3,716.87	3.96	260
11/20/2018	106.93	101.31	5.62	3,716.91	104.25	101.85	2.40	3,716.92	3.96	264
11/27/2018	106.59	101.4	5.19	3,716.90	102.55	101.78	0.77	3,717.26	3.96	268
11/29/2018	106.87	101.17	5.70	3,717.04	102.62	101.75	0.87	3,717.27	3.96	272
12/4/2018	105.87	101.36	4.51	3,717.05	102.59	101.83	0.76	3,717.21	2.64	275
12/5/2018	105.67	101.37	4.30	3,717.08	102.79	101.76	1.03	3,717.24	3.96	279
12/11/2018	106.48	101.66	4.82	3,716.70	102.86	101.82	1.04	3,717.17	3.96	283
12/12/2018	105.79	101.83	3.96	3,716.67	102.66	101.92	0.74	3,717.13	4.49	287
12/18/2018	105.87	101.56	4.31	3,716.88	102.55	101.36	1.19	3,717.61	3.96	291
12/20/2018	105.79	101.46	4.33	3,716.98	102.36	101.45	0.91	3,717.57	2.64	294
12/28/2018	107	101.2	5.80	3,716.99	103.59	101.90	1.69	3,716.99	5.28	299
1/8/2019	107.88	101.75	6.13	3,716.39	102.59	101.98	0.61	3,717.09	5.28	305
1/10/2019	106.86	101.68	5.18	3,716.62	102.76	101.73	1.03	3,717.27	6.60	311
1/15/2019	106.56	101.74	4.82	3,716.62	102.83	101.76	1.07	3,717.23	6.60	318
1/17/2019	106.78	101.62	5.16	3,716.68	102.62	101.86	0.76	3,717.18	5.28	323
1/23/2019	106.52	101.47	5.05	3,716.85	102.65	101.72	0.93	3,717.29	4.49	328
1/24/2019	106.72	101.45	5.27	3,716.83	102.73	101.82	0.91	3,717.20	5.28	333
1/30/2019	106.78	101.64	5.14	3,716.66	102.35	101.86	0.49	3,717.23	7.13	340
1/31/2019	105.89	101.63	4.26	3,716.82	102.72	101.84	0.88	3,717.18	4.49	345
2/5/2019	106.63	101.83	4.80	3,716.53	102.36	101.85	0.51	3,717.23	5.28	350
2/7/2019	105.87	101.63	4.24	3,716.83	102.83	101.86	0.97	3,717.15	4.49	354
2/12/2019	105.67	101.78	3.89	3,716.74	102.73	101.23	1.50	3,717.69	5.28	360
2/14/2019	105.73	101.63	4.10	3,716.85	102.82	101.93	0.89	3,717.09	3.96	364
2/20/2019	105.32	101.53	3.79	3,717.00	102.37	101.86	0.51	3,717.22	4.49	368
2/21/2019	105.33	101.86	3.47	3,716.73	102.83	102.46	0.37	3,716.65	3.96	372
2/26/2019	106.98	101.26	5.72	3,716.95	102.78	101.89	0.89	3,717.13	3.96	376
2/28/2019	105.86	101.75	4.11	3,716.73	102.63	101.64	0.99	3,717.36	2.64	379
3/7/2019	105.68	101.56	4.12	3,716.92	102.68	101.57	1.11	3,717.41	3.96	383
3/13/2019	105.47	101.56	3.91	3,716.95	102.56	101.57	0.99	3,717.43	3.96	387
3/14/2019	105.52	101.53	3.99	3,716.97	102.47	101.83	0.64	3,717.23	4.49	391
3/20/2019	105.63	101.58	4.05	3,716.91	102.76	101.89	0.87	3,717.13	5.28	396
3/21/2019	102.05	100.15	1.90	3,718.70	101.14	100.40	0.74	3,718.65	3.96	400
3/25/2019	102.77	99.88	2.89	3,718.80	101.30	99.96	1.34	3,718.98	3.96	404

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
3/27/2019	102.45	100.05	2.40	3,718.72	101.57	100.58	0.99	3,718.42	2.64	407
4/1/2019 [3]	107.98	102.33	5.65	3,715.89	--	--	--	--	--	--
5/22/2019	108.14	102.56	5.58	3,715.67	--	--	--	--	35.0	442
5/24/2019	--	--	--	--	--	--	--	--	2.00	444
5/29/2019	--	--	--	--	--	--	--	--	14.0	458
5/31/2019	--	--	--	--	--	--	--	--	6.00	464
6/3/2019	--	--	--	--	--	--	--	--	5.00	469
6/7/2019	--	--	--	--	--	--	--	--	6.50	475
6/12/2019	--	--	--	--	--	--	--	--	9.00	484
6/14/2019	--	--	--	--	--	--	--	--	3.50	488
6/17/2019	105.61	103.21	2.40	3,715.56	--	--	--	--	4.00	492
6/20/2019	--	--	--	--	--	--	--	--	4.00	496
6/26/2019	--	--	--	--	--	--	--	--	9.00	505
7/2/2019	--	--	--	--	--	--	--	--	7.00	512
7/5/2019	--	--	--	--	--	--	--	--	0.00	512
7/11/2019	108.33	102.96	5.37	3,715.31	--	--	--	--	3.00	515
7/12/2019	--	--	--	--	--	--	--	--	3.00	518
7/15/2019	--	--	--	--	--	--	--	--	2.00	520
7/19/2019	--	--	--	--	--	--	--	--	6.00	526
7/23/2019	--	--	--	--	--	--	--	--	6.00	532
7/26/2019	--	--	--	--	--	--	--	--	3.00	535
7/31/2019	--	--	--	--	--	--	--	--	1.00	536
8/2/2019	--	--	--	--	--	--	--	--	6.00	542
8/7/2019	--	--	--	--	--	--	--	--	4.00	546
8/9/2019	--	--	--	--	--	--	--	--	2.00	548
8/13/2019	--	--	--	--	--	--	--	--	3.00	551
8/15/2019	--	--	--	--	--	--	--	--	2.00	553
8/20/2019	--	--	--	--	--	--	--	--	3.00	556
8/22/2019	--	--	--	--	--	--	--	--	2.00	558
8/29/2019	105.78	103.79	1.99	3,715.05	--	--	--	--	4.00	562
8/30/2019	--	--	--	--	--	--	--	--	8.00	570
9/3/2019	--	--	--	--	--	--	--	--	24.0	594
9/6/2019	--	--	--	--	--	--	--	--	15.0	609
9/10/2019	104.95	104.08	0.87	3,714.94	--	--	--	--	0.00	609
9/12/2019	--	--	--	--	--	--	--	--	[4]	[4]
9/16/2019	--	--	--	--	--	--	--	--	35.0	644
9/20/2019	--	--	--	--	--	--	--	--	19.0	663
9/23/2019	--	--	--	--	--	--	--	--	21.0	684
9/27/2019	--	--	--	--	--	--	--	--	21.0	705
9/30/2019	--	--	--	--	--	--	--	--	17.0	722
10/3/2019	--	--	--	--	--	--	--	--	20.0	742
10/8/2019	--	--	--	--	--	--	--	--	30.0	772
10/10/2019	--	--	--	--	--	--	--	--	12.0	784

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
10/14/2019	--	--	--	--	--	--	--	--	19.0	803
10/17/2019	--	--	--	--	--	--	--	--	2.25	805
10/21/2019	--	--	--	--	--	--	--	--	0.00	805
10/24/2019	104.97	104.32	0.65	3,715.77	--	--	--	--	0.00	805
11/15/2019	--	--	--	--	--	--	--	--	0.00	805
11/18/2019	--	--	--	--	--	--	--	--	0.00	805
11/22/2019	--	--	--	--	--	--	--	--	2.00	807
11/25/2019	--	--	--	--	--	--	--	--	4.00	811
11/26/2019	--	--	--	--	--	--	--	--	0.00	811
12/2/2019	--	--	--	--	--	--	--	--	4.00	815
12/6/2019	--	--	--	--	--	--	--	--	3.00	818
12/10/2019	--	--	--	--	--	--	--	--	4.00	822
12/13/2109	--	--	--	--	--	--	--	--	[4]	[4]
12/20/2019	--	--	--	--	--	--	--	--	[4]	[4]
12/23/2019	--	--	--	--	--	--	--	--	12.0	834
12/26/2019	--	--	--	--	--	--	--	--	3.00	837
1/6/2020	--	--	--	--	--	--	--	--	12.00	849
1/10/2020	--	--	--	--	--	--	--	--	7.00	856
1/13/2020	--	--	--	--	--	--	--	--	1.50	858
1/15/2020	104.87	104.51	0.36	3,714.60	--	--	--	--	2.50	860
1/20/2020	--	--	--	--	--	--	--	--	3.00	863
1/31/2020	--	--	--	--	--	--	--	--	9.00	872
2/4/2020	--	--	--	--	--	--	--	--	3.00	875
2/6/2020	--	--	--	--	--	--	--	--	2.00	877
2/12/2020	--	--	--	--	--	--	--	--	4.50	882
2/14/2020	--	--	--	--	--	--	--	--	1.00	883
2/17/2020	--	--	--	--	--	--	--	--	3.00	886
2/21/2020	--	--	--	--	--	--	--	--	3.00	889
2/24/2020	--	--	--	--	--	--	--	--	2.50	891
2/28/2020	--	--	--	--	--	--	--	--	3.50	895
3/2/2020	--	--	--	--	--	--	--	--	1.50	896
3/6/2020	--	--	--	--	--	--	--	--	2.00	898
3/9/2020	--	--	--	--	--	--	--	--	3.00	901
3/13/2020	--	--	--	--	--	--	--	--	3.00	904
3/17/2020	--	--	--	--	--	--	--	--	3.00	907
3/20/2020	--	--	--	--	--	--	--	--	2.00	909
3/30/2020	--	--	--	--	--	--	--	--	8.00	917
4/2/2020	--	--	--	--	--	--	--	--	2.00	919
4/7/2020	--	--	--	--	--	--	--	--	3.00	922
4/9/2020	--	--	--	--	--	--	--	--	1.00	923
4/13/2020	--	--	--	--	--	--	--	--	2.00	925
4/16/2020	--	--	--	--	--	--	--	--	2.00	927
4/20/2020	--	--	--	--	--	--	--	--	6.00	933

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
4/24/2020	--	--	--	--	--	--	--	--	2.00	935
4/27/2020	--	--	--	--	--	--	--	--	3.00	938
5/1/2020	--	--	--	--	--	--	--	--	4.00	942
5/4/2020	--	--	--	--	--	--	--	--	3.00	945
5/8/2020	--	--	--	--	--	--	--	--	3.00	948
5/12/2020	--	--	--	--	--	--	--	--	4.00	952
5/15/2020	--	--	--	--	--	--	--	--	2.00	954
5/18/2020	--	--	--	--	--	--	--	--	4.00	958
5/22/2020	--	--	--	--	--	--	--	--	2.00	960
5/26/2020	--	--	--	--	--	--	--	--	3.00	963
5/29/2020	--	--	--	--	--	--	--	--	4.00	967
6/1/2020	--	--	--	--	--	--	--	--	2.00	969
6/5/2020	--	--	--	--	--	--	--	--	3.00	972
6/8/2020	--	--	--	--	--	--	--	--	2.00	974
6/15/2020	--	--	--	--	--	--	--	--	6.00	980
6/18/2020	107.28	104.41	2.87	3,714.28	--	--	--	--	3.00	983
6/23/2020	--	--	--	--	--	--	--	--	0.00	983
6/26/2020	--	--	--	--	--	--	--	--	1.00	984
6/29/2020	--	--	--	--	--	--	--	--	2.00	986
7/2/2020	--	--	--	--	--	--	--	--	3.00	989
7/7/2020	--	--	--	--	--	--	--	--	3.00	992
7/10/2020	--	--	--	--	--	--	--	--	2.00	994
7/13/2020	--	--	--	--	--	--	--	--	2.00	996
7/17/2020	--	--	--	--	--	--	--	--	(4)	(4)
7/20/2020	--	--	--	--	--	--	--	--	(4)	(4)
7/24/2020	--	--	--	--	--	--	--	--	(4)	(4)
7/27/2020	--	--	--	--	--	--	--	--	(4)	(4)
8/4/2020	--	--	--	--	--	--	--	--	(4)	(4)
8/11/2020	--	--	--	--	--	--	--	--	(4)	(4)
8/14/2020	--	--	--	--	--	--	--	--	(4)	(4)
8/17/2020	--	--	--	--	--	--	--	--	(4)	(4)
8/19/2020	109.32	104.43	4.89	3,713.92	--	--	--	--	(4)	(4)
8/24/2020	--	--	--	--	--	--	--	--	27.0	1,023
9/14/2020	--	--	--	--	--	--	--	--	26.0	1,049
9/23/2020	--	--	--	--	--	--	--	--	9.00	1,058
10/8/2020	108.59	105.09	3.50	3,713.49	--	--	--	--	27.0	1,085
10/12/2020	--	--	--	--	--	--	--	--	0.00	1,085
10/19/2020	--	--	--	--	--	--	--	--	5.00	1,090
10/26/2020	--	--	--	--	--	--	--	--	4.00	1,094
11/2/2020	--	--	--	--	--	--	--	--	4.00	1,098
11/10/2020	--	--	--	--	--	--	--	--	4.00	1,102
11/16/2020	--	--	--	--	--	--	--	--	6.00	1,108
11/24/2020	--	--	--	--	--	--	--	--	6.00	1,114

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

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	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
11/30/2020	--	--	--	--	--	--	--	--	2.00	1,116
12/7/2020	--	--	--	--	--	--	--	--	4.00	1,120
12/14/2020	--	--	--	--	--	--	--	--	6.00	1,126
12/21/2020	--	--	--	--	--	--	--	--	6.00	1,132
12/29/2020	--	--	--	--	--	--	--	--	5.00	1,137
1/4/2021	--	--	--	--	--	--	--	--	6.00	1,143
1/11/2021	--	--	--	--	--	--	--	--	4.00	1,147
1/18/2021	--	--	--	--	--	--	--	--	3.00	1,150
1/26/2021	--	--	--	--	--	--	--	--	5.00	1,155
1/28/2021	109.98	105.02	4.96	3,713.32	--	--	--	--	0.00	1,155
2/2/2021	--	--	--	--	--	--	--	--	9.00	1,164
2/8/2021	--	--	--	--	--	--	--	--	6.00	1,170
2/16/2021	--	--	--	--	--	--	--	--	[4]	[4]
2/22/2021	--	--	--	--	--	--	--	--	[4]	[4]
3/1/2021	--	--	--	--	--	--	--	--	7.00	1,177
3/9/2021	--	--	--	--	--	--	--	--	6.00	1,183
3/15/2021	--	--	--	--	--	--	--	--	6.00	1,189
3/22/2021	--	--	--	--	--	--	--	--	8.00	1,197
3/29/2021	--	--	--	--	--	--	--	--	7.00	1,204
4/5/2021	--	--	--	--	--	--	--	--	7.00	1,211
4/12/2021	--	--	--	--	--	--	--	--	7.00	1,218
4/15/2021	109.53	105.34	4.19	3,713.12	--	--	--	--	4.00	1,222
4/19/2021	--	--	--	--	--	--	--	--	4.00	1,226
4/26/2021	--	--	--	--	--	--	--	--	7.00	1,233
5/3/2021	--	--	--	--	--	--	--	--	7.00	1,240
5/10/2021	--	--	--	--	--	--	--	--	7.00	1,247
5/17/2021	--	--	--	--	--	--	--	--	7.00	1,254
5/24/2021	--	--	--	--	--	--	--	--	7.00	1,261
6/1/2021	--	--	--	--	--	--	--	--	6.00	1,267
6/8/2021	--	--	--	--	--	--	--	--	7.00	1,274
6/14/2021	--	--	--	--	--	--	--	--	5.00	1,279
6/21/2021	--	--	--	--	--	--	--	--	5.00	1,284
6/28/2021	--	--	--	--	--	--	--	--	6.00	1,290
7/6/2021	--	--	--	--	--	--	--	--	8.00	1,298
7/12/2021	--	--	--	--	--	--	--	--	8.00	1,306
7/15/2021	110.04	105.54	4.50	3,712.87	--	--	--	--	1.00	1,307
7/19/2021	--	--	--	--	--	--	--	--	2.00	1,309
7/26/2021	--	--	--	--	--	--	--	--	5.00	1,314
8/2/2021	--	--	--	--	--	--	--	--	9.00	1,323
8/10/2021	--	--	--	--	--	--	--	--	8.00	1,331
8/16/2021	--	--	--	--	--	--	--	--	[4]	[4]
8/24/2021	--	--	--	--	--	--	--	--	[4]	[4]
8/30/2021	--	--	--	--	--	--	--	--	2.00	1,333

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Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
9/8/2021	--	--	--	--	--	--	--	--	9.00	1,342
9/14/2021	--	--	--	--	--	--	--	--	7.00	1,349
9/16/2021	111.52	105.73	5.79	3,712.47	--	--	--	--	3.00	1,352
9/21/2021	--	--	--	--	--	--	--	--	4.00	1,356
9/28/2021	--	--	--	--	--	--	--	--	5.00	1,361
10/13/2021	--	--	--	--	--	--	--	--	7.00	1,368
10/19/2021	--	--	--	--	--	--	--	--	5.00	1,373
10/27/2021	--	--	--	--	--	--	--	--	7.00	1,380
11/2/2021	--	--	--	--	--	--	--	--	6.00	1,386
11/8/2021	--	--	--	--	--	--	--	--	6.00	1,392
11/16/2021	--	--	--	--	--	--	--	--	7.00	1,399
11/22/2021	--	--	--	--	--	--	--	--	7.00	1,406
11/30/2021	--	--	--	--	--	--	--	--	8.00	1,414
12/6/2021	--	--	--	--	--	--	--	--	6.00	1,420
12/14/2021	--	--	--	--	--	--	--	--	8.00	1,428
12/21/2021	--	--	--	--	--	--	--	--	7.00	1,435
12/28/2021	--	--	--	--	--	--	--	--	8.00	1,443
1/4/2022	--	--	--	--	--	--	--	--	8.00	1,451
1/11/2022	--	--	--	--	--	--	--	--	7.00	1,458
1/18/2022	--	--	--	--	--	--	--	--	3.00	1,461
1/20/2022	110.78	105.78	5.00	3,712.55	--	--	--	--	4.00	1,465
1/25/2022	--	--	--	--	--	--	--	--	6.00	1,471
2/1/2022	--	--	--	--	--	--	--	--	6.00	1,477
2/8/2022	--	--	--	--	--	--	--	--	8.00	1,485
2/15/2022	--	--	--	--	--	--	--	--	5.00	1,490
2/22/2022	--	--	--	--	--	--	--	--	7.00	1,497
3/1/2022	--	--	--	--	--	--	--	--	4.00	1,501
3/8/2022	--	--	--	--	--	--	--	--	0.00	1,501
3/15/2022	--	--	--	--	--	--	--	--	5.00	1,506
3/22/2022	--	--	--	--	--	--	--	--	5.00	1,511
3/29/2022	--	--	--	--	--	--	--	--	2.00	1,513
4/12/2022	--	--	--	--	--	--	--	--	3.00	1,516
4/14/2022	111.72	105.96	5.76	3,712.24	--	--	--	--	0.00	1,516
4/29/2022	--	--	--	--	--	--	--	--	4.00	1,520
5/3/2022	--	--	--	--	--	--	--	--	11.00	1,531
5/10/2022	--	--	--	--	--	--	--	--	0.00	1,531
5/17/2022	--	--	--	--	--	--	--	--	0.00	1,531
7/5/2022	--	--	--	--	--	--	--	--	5.00	1,536
7/12/2022	--	--	--	--	--	--	--	--	9.00	1,545
7/14/2022	110.04	106.24	3.80	3,712.29	--	--	--	--	0.00	1,545
7/19/2022	--	--	--	--	--	--	--	--	8.00	1,553
7/26/2022	--	--	--	--	--	--	--	--	5.00	1,558
8/2/2022	--	--	--	--	--	--	--	--	9.00	1,567

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
8/9/2022	--	--	--	--	--	--	--	--	4.00	1,571
8/16/2022	--	--	--	--	--	--	--	--	10.00	1,581
8/23/2022	--	--	--	--	--	--	--	--	10.00	1,591
8/30/2022	--	--	--	--	--	--	--	--	5.00	1,596
9/6/2022	--	--	--	--	--	--	--	--	0.00	1,596
9/13/2022	--	--	--	--	--	--	--	--	9.00	1,605
9/20/2022	--	--	--	--	--	--	--	--	6.00	1,611
9/27/2022	--	--	--	--	--	--	--	--	7.00	1,618
10/4/2022	--	--	--	--	--	--	--	--	8.00	1,626
10/11/2022	--	--	--	--	--	--	--	--	6.00	1,632
10/12/2022	112.32	106.41	5.91	3,811.77	--	--	--	--	1.00	1,633
10/18/2022	--	--	--	--	--	--	--	--	4.00	1,637
10/25/2022	--	--	--	--	--	--	--	--	7.00	1,644
11/1/2022	--	--	--	--	--	--	--	--	11.00	1,655
11/8/2022	--	--	--	--	--	--	--	--	8.00	1,663
11/15/2022	--	--	--	--	--	--	--	--	9.00	1,672
11/22/2022	--	--	--	--	--	--	--	--	10.00	1,682
11/29/2022	--	--	--	--	--	--	--	--	6.00	1,688
12/6/2022	--	--	--	--	--	--	--	--	11.00	1,699
12/13/2022	--	--	--	--	--	--	--	--	8.00	1,707
12/20/2022	--	--	--	--	--	--	--	--	5.00	1,712
12/29/2022	--	--	--	--	--	--	--	--	15.00	1,727
1/5/2023	--	--	--	--	--	--	--	--	9.00	1,736
1/12/2023	--	--	--	--	--	--	--	--	5.00	1,741
1/17/2023	--	--	--	--	--	--	--	--	6.00	1,747
1/25/2023	--	--	--	--	--	--	--	--	7.00	1,754
1/26/2023	111.06	105.87	5.19	3,712.43	--	--	--	--	2.00	1,756
1/31/2023	--	--	--	--	--	--	--	--	2.00	1,758
2/7/2023	--	--	--	--	--	--	--	--	6.00	1,764
2/16/2023	--	--	--	--	--	--	--	--	5.00	1,769
2/21/2023	--	--	--	--	--	--	--	--	1.00	1,770
2/28/2023	--	--	--	--	--	--	--	--	3.00	1,773
3/7/2023	--	--	--	--	--	--	--	--	2.00	1,775
3/14/2023	--	--	--	--	--	--	--	--	2.00	1,777
3/21/2023	--	--	--	--	--	--	--	--	3.00	1,780
3/23/2023	114.05	107.50	6.55	3,710.57	--	--	--	--	2.00	1,782
4/6/2023	--	--	--	--	--	--	--	--	10.00	1,792
4/13/2023	--	--	--	--	--	--	--	--	10.00	1,802
4/18/2023	--	--	--	--	--	--	--	--	4.00	1,806
4/25/2023	--	--	--	--	--	--	--	--	6.00	1,812
5/2/2023	--	--	--	--	--	--	--	--	5.00	1,817
5/9/2023	--	--	--	--	--	--	--	--	3.00	1,820
5/16/2023	--	--	--	--	--	--	--	--	2.00	1,822

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
5/25/2023	--	--	--	--	--	--	--	--	12.00	1,834
5/30/2023	--	--	--	--	--	--	--	--	3.00	1,837
6/8/2023	--	--	--	--	--	--	--	--	5.00	1,842
6/13/2023	--	--	--	--	--	--	--	--	1.00	1,843
6/20/2023	--	--	--	--	--	--	--	--	3.00	1,846
6/20/2023	--	--	--	--	--	--	--	--	0.00	1,846
7/27/2023	110.81	108.24	2.57	3,710.50	--	--	--	--	0.00	1,846
8/1/2023	--	--	--	--	--	--	--	--	0.00	1,846
8/8/2023	--	--	--	--	--	--	--	--	2.00	1,848
8/15/2023	--	--	--	--	--	--	--	--	2.00	1,850
8/22/2023	--	--	--	--	--	--	--	--	2.00	1,852
8/31/2023	--	--	--	--	--	--	--	--	1.00	1,853
9/5/2023	--	--	--	--	--	--	--	--	0.00	1,853
9/20/2023	--	--	--	--	--	--	--	--	0.00	1,853
9/26/2023	--	--	--	--	--	--	--	--	0.00	1,853
10/5/2023	114.79	108.20	6.59	3,709.86	--	--	--	--	0.00	1,853
10/5/2023	--	--	--	--	--	--	--	--	1.00	1,854
10/11/2023	--	--	--	--	--	--	--	--	3.00	1,857
10/18/2023	--	--	--	--	--	--	--	--	0.00	1,857
10/24/2023	--	--	--	--	--	--	--	--	0.00	1,857
11/2/2023	--	--	--	--	--	--	--	--	3.00	1,860
11/6/2023	--	--	--	--	--	--	--	--	0.00	1,860
11/21/2023	--	--	--	--	--	--	--	--	0.00	1,860
11/28/2023	--	--	--	--	--	--	--	--	3.00	1,863
12/6/2023	--	--	--	--	--	--	--	--	8.00	1,871
12/11/2023	--	--	--	--	--	--	--	--	4.00	1,875
12/19/2023	--	--	--	--	--	--	--	--	7.00	1,882
1/3/2024	--	--	--	--	--	--	--	--	9.00	1,891
1/10/2024	--	--	--	--	--	--	--	--	5.00	1,896
1/16/2024	--	--	--	--	--	--	--	--	4.00	1,900
1/23/2024	--	--	--	--	--	--	--	--	0.00	1,900
1/25/2024	110.12	107.98	2.14	3,710.83	--	--	--	--	0.00	1,900
1/30/2024	--	--	--	--	--	--	--	--	5.00	1,905
2/6/2024	--	--	--	--	--	--	--	--	3.00	1,908
2/13/2024	--	--	--	--	--	--	--	--	5.00	1,913
2/20/2024	--	--	--	--	--	--	--	--	7.00	1,920
2/29/2024	--	--	--	--	--	--	--	--	7.00	1,927
3/5/2024	--	--	--	--	--	--	--	--	5.00	1,932
3/12/2024	--	--	--	--	--	--	--	--	5.00	1,937
3/19/2024	--	--	--	--	--	--	--	--	5.00	1,942
3/25/2024	--	--	--	--	--	--	--	--	0.00	1,942
4/4/2024	110.10	109.68	0.42	3,709.42	--	--	--	--	0.00	1,942
4/9/2024	--	--	--	--	--	--	--	--	7.00	1,949

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
4/23/2024	--	--	--	--	--	--	--	--	3.00	1,952
4/30/2024	--	--	--	--	--	--	--	--	5.00	1,957
5/7/2024	--	--	--	--	--	--	--	--	5.00	1,962
5/13/2024	--	--	--	--	--	--	--	--	5.00	1,967
5/21/2024	--	--	--	--	--	--	--	--	7.00	1,974
5/28/2024	--	--	--	--	--	--	--	--	4.00	1,978
6/4/2024	--	--	--	--	--	--	--	--	2.00	1,980
6/11/2024	--	--	--	--	--	--	--	--	3.00	1,983
6/18/2024	--	--	--	--	--	--	--	--	4.00	1,987
7/2/2024	--	--	--	--	--	--	--	--	5.00	1,992
7/9/2024	--	--	--	--	--	--	--	--	5.00	1,997
7/15/2024	--	--	--	--	--	--	--	--	5.00	2,002
7/18/2024	110.39	110.37	0.02	3,708.80	--	--	--	--	1.00	2,003
7/22/2024	--	--	--	--	--	--	--	--	3.00	2,006
7/30/2024	--	--	--	--	--	--	--	--	5.00	2,011
8/6/2024	--	--	--	--	--	--	--	--	11.00	2,022
8/13/2024	--	--	--	--	--	--	--	--	[4]	[4]
8/20/2024	--	--	--	--	--	--	--	--	8.00	2,030
8/27/2024	--	--	--	--	--	--	--	--	1.00	2,031
9/3/2024	--	--	--	--	--	--	--	--	1.00	2,032
10/3/2024	112.78	110.52	2.26	3,708.27	--	--	--	--	2.00	2,034
10/8/2024	--	--	--	--	--	--	--	--	2.00	2,036
10/15/2024	--	--	--	--	--	--	--	--	5.00	2,041
10/22/2024	--	--	--	--	--	--	--	--	6.00	2,047
10/29/2024	--	--	--	--	--	--	--	--	3.00	2,050
11/5/2024	--	--	--	--	--	--	--	--	3.00	2,053
11/12/2024	--	--	--	--	--	--	--	--	4.00	2,057
11/19/2024	--	--	--	--	--	--	--	--	2.00	2,059
11/26/2024	--	--	--	--	--	--	--	--	2.00	2,061
12/3/2024	--	--	--	--	--	--	--	--	1.00	2,062
12/10/2024	--	--	--	--	--	--	--	--	1.00	2,063
12/17/2024	--	--	--	--	--	--	--	--	1.00	2,064
12/26/2024	--	--	--	--	--	--	--	--	1.00	2,065
12/30/2024	--	--	--	--	--	--	--	--	1.00	2,066
1/7/2025	--	--	--	--	--	--	--	--	1.00	2,067
1/14/2025	--	--	--	--	--	--	--	--	1.00	2,068
1/15/2025	111.34	111.26	0.08	3,707.90	--	--	--	--	0.00	2,068
1/21/2025	--	--	--	--	--	--	--	--	2.00	2,070
1/28/2025	--	--	--	--	--	--	--	--	2.00	2,072
2/4/2025	--	--	--	--	--	--	--	--	2.00	2,074
2/12/2025	--	--	--	--	--	--	--	--	2.00	2,076
2/18/2025	--	--	--	--	--	--	--	--	3.00	2,079
3/4/2025	--	--	--	--	--	--	--	--	3.00	2,082
3/11/2025	--	--	--	--	--	--	--	--	2.00	2,084

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		
3/21/2025	--	--	--	--	--	--	--	--	2.00	2,086
3/27/2025	--	--	--	--	--	--	--	--	2.00	2,088
4/1/2025	--	--	--	--	--	--	--	--	1.00	2,089
4/3/2025	112.39	111.25	1.14	3,707.73	--	--	--	--	1.00	2,090
4/8/2025	--	--	--	--	--	--	--	--	1.00	2,091
4/15/2025	--	--	--	--	--	--	--	--	2.00	2,093
4/23/2025	--	--	--	--	--	--	--	--	2.00	2,095
4/29/2025	--	--	--	--	--	--	--	--	2.00	2,097
5/6/2025	--	--	--	--	--	--	--	--	2.00	2,099
5/13/2025	--	--	--	--	--	--	--	--	2.00	2,101
5/21/2025	--	--	--	--	--	--	--	--	1.00	2,102
6/4/2025	--	--	--	--	--	--	--	--	2.00	2,104
6/10/2025	--	--	--	--	--	--	--	--	2.00	2,106
6/18/2025	--	--	--	--	--	--	--	--	2.00	2,108
6/24/2025	--	--	--	--	--	--	--	--	2.00	2,110
7/8/2025	--	--	--	--	--	--	--	--	2.00	2,112
7/15/2025	--	--	--	--	--	--	--	--	2.00	2,114
7/31/2025	112.52	111.26	1.26	3,707.70	--	--	--	--	5.00	2,119
8/5/2025	--	--	--	--	--	--	--	--	1.00	2,120
8/14/2025	--	--	--	--	--	--	--	--	2.00	2,122
8/19/2025	--	--	--	--	--	--	--	--	1.00	2,123
8/26/2025	--	--	--	--	--	--	--	--	1.00	2,124
9/3/2025	--	--	--	--	--	--	--	--	3.00	2,127
9/9/2025	--	--	--	--	--	--	--	--	2.00	2,129
10/9/2025	115.69	110.08	5.61	3,708.15	--	--	--	--	2.00	2,131
10/14/2025	--	--	--	--	--	--	--	--	1.00	2,132
10/21/2025	--	--	--	--	--	--	--	--	3.00	2,135
10/28/2025	--	--	--	--	--	--	--	--	3.00	2,138
11/4/2025	--	--	--	--	--	--	--	--	3.00	2,141
11/10/2025	--	--	--	--	--	--	--	--	1.00	2,142
11/18/2025	--	--	--	--	--	--	--	--	2.00	2,144
11/25/2025	--	--	--	--	--	--	--	--	3.00	2,147
12/2/2025	--	--	--	--	--	--	--	--	2.00	2,149
12/10/2025	--	--	--	--	--	--	--	--	3.00	2,152
12/17/2025	--	--	--	--	--	--	--	--	2.00	2,154
12/23/2025	--	--	--	--	--	--	--	--	2.00	2,156
12/31/2025	--	--	--	--	--	--	--	--	1.00	2,157

Appendix F - LNAPL Gauging and Recovery Results, Monitoring Well MW-31

HF Sinclair Navajo Refining LLC, GW-014, Lovington, New Mexico

Date	Prior to Bailing or After Removing Skimmer[1,3]				After Bailing				LNAPL Volume Recovered (gal)	Cumulative LNAPL Recovered (gal)
	Initial Depth to Water (ft btoc)	Initial Depth to LNAPL (ft btoc)	Initial Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)	Final Depth to Water (ft btoc)	Final Depth to LNAPL (ft btoc)	Final Apparent LNAPL Thickness (feet)	Corrected Groundwater Elevation[2] (ft amsl)		

Notes:

LNAPL = Light Non-Aqueous Phase Liquid

ft btoc = feet below top of casing

ft amsl = feet above mean sea level

-- = not measured

[1] Passive skimmer (Petro-Bailer™) installed in well on August 17, 2017. Passive skimmer prohibits fluid gauging prior to removal from well.

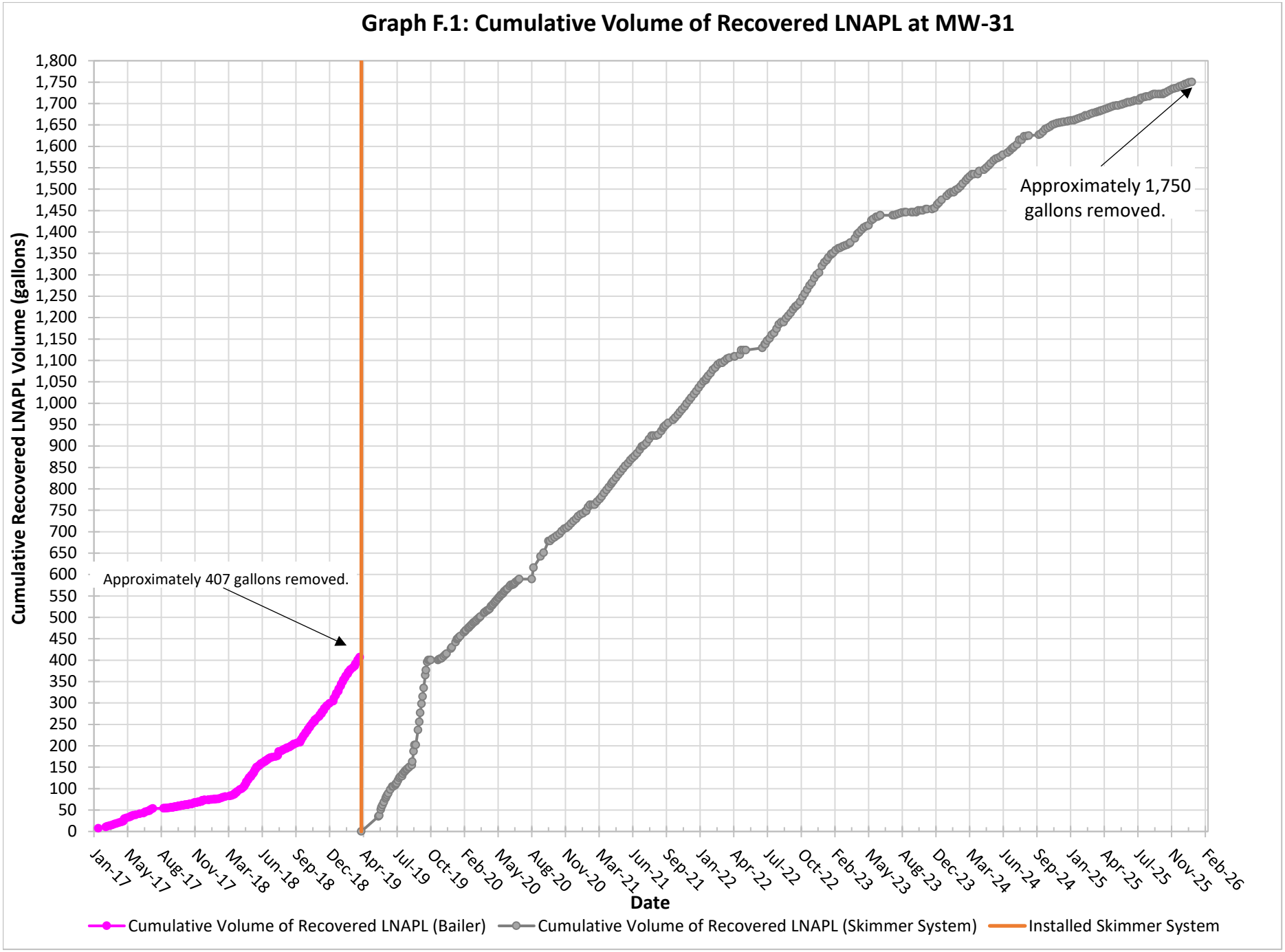
[2] Groundwater elevation corrected for the presence of LNAPL using a specific gravity of 0.8317. Top of well casing elevation = 3,819.17 feet amsl.

[3] Pneumatic skimmer pump system (Geotech SpOILer System) installed on April 1, 2019. Fluid gauging conducted after skimmer pump removed from well and well equilibrates.

[4] LNAPL volume recovered in tote too low to provide accurate estimate.

[5] Pneumatic skimmer pump system noted not operating from September 28, 2021, until October 8, 2021; from May 19, 2022, until June 29, 2022; from September 5 until October 5, 2023; periodically between October 18 until November 28, 2023; from September 4 until October 3, 2024; and from September 9 until October 9, 2025, when the system was off for repairs or maintenance.

Graph F.1: Cumulative Volume of Recovered LNAPL at MW-31



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 576053

CONDITIONS

Operator: HF Sinclair Navajo Refining LLC ATTN: GENERAL COUNSEL Dallas, TX 75201	OGRID: 15694
	Action Number: 576053
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
joel.stone	This report fulfills the requirement in Section 2.K. of discharge permit GW-014.	4/17/2026