ENSOLUM

2024 GROUNDWATER REMEDIATION AND MONITORING ANNUAL REPORT

January – December 2024

Property:

Bloomfield Terminal
Western Refining Southwest LLC
#50 Rd 4990
Bloomfield, New Mexico 87413

US EPA ID: NMD089416416
Interim Status Unit No. 1
SWMU No. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 27
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2024 GROUNDWATER REMEDIATION AND MONITORING ANNUAL REPORT EXECUTIVE SUMMARY

This *2024 Groundwater Remediation and Monitoring Annual Report* (2024 Annual Report), prepared for Western Refining Southwest LLC (Western), includes a summary of monitoring activities conducted at the Bloomfield Terminal (former Bloomfield Refinery) during the semiannual monitoring event in April 2024 and the annual event in August 2024 (during low-flow conditions of the San Juan River) pursuant to the reporting requirements outlined in Section IV.A.2. of the July 2007 *Consent Order* (NMED, 2007) issued by the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB), and Section 2.F. of *Discharge Permit GW-001* (NMOCD, 2017) issued by the New Mexico Energy, Minerals and Natural Resources Department-Oil Conservation Division (EMNRD-OCD). Monitoring activities are performed in accordance with the July 2007 *Consent Order* to monitor or assess potential impacts related to Interim Status Unit No. 1, Solid Waste Management Units (SWMUs) No. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 27, and Areas of Concern (AOCs) No. 19, 20, 21, 22, 23, 24, 25, and 26. The following is a summary of groundwater and surface water monitoring, total fluids recovery, and remediation monitoring activities conducted in 2023 that were performed following the *Facility Wide Groundwater Monitoring Plan* (Western, June 2014) and the *Discharge Permit GW-001 for Western Refining Southwest LLC, Bloomfield Products Terminal* (State of New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division, July 2022).

Groundwater and Surface Water Monitoring

Fluid Levels

In April and August 2024, depth-to-groundwater and depth-to-separated phase hydrocarbon (SPH) measurements were collected from facility monitoring wells (MW), recovery wells (RW), observation wells (OW), collection wells (CW), and sump wells (SW). Measurements were not collected from air sparge wells (AS) and vapor extraction wells (VEW), as they are not listed within the most recently approved *Monitoring Plan* and are not constructed for the purposes of groundwater monitoring. The depth measurements were collected a minimum of 48 hours after the recovery well pumps were turned off to allow fluid elevations to stabilize. Groundwater elevation contours from both the April and August 2024 gauging events generally indicate groundwater flows to the northwest towards the North Boundary Barrier Wall and Hammond Ditch collection system.

In April 2024, measurable SPH was detected at 26 monitoring locations: MW-4, MW-20, MW-21, MW-40, MW-55, MW-56, MW-57, MW-58, MW-59, MW-66, MW-71, MW-72, MW-74, MW-75, MW-76, MW-77, RW-2, RW-4, RW-14, RW-15, RW-16, RW-19, RW-22, RW-28, RW-42, RW-43, CW 8+45, MP-1, MP-2, MP-3, MP-4, and MP-5. The maximum measured SPH thickness was 1.68 feet in RW-19, an increase in maximum product thickness from 0.81 feet in both MW-56 and MW-57 during the April 2023 monitoring event. Measurements were not obtained from CW 11+15 or MW-61 during the April 2024 gauging event as the wells were determined to have been damaged beyond use and are pending abandonment and reinstallation. Monitoring well MW-60 could not be located and is presumed to be destroyed, and recovery well RW-18 was inaccessible due to refinery demolition activities during the April 2024 gauging event.

In August 2024, SPH was detected at 21 monitoring locations: MW-55, MW-56, MW-58, MW-66, MW-72, MW-74, MW-75, MW-76, MW-77, P-03, RW-2, RW-4, RW-15, RW-16, RW-28, RW-42, RW-43, CW 8+45, MP-3, MP-4, and MP-5. The maximum SPH thickness measured was 1.25 feet in MP-4, an increase from a maximum thickness of 1.09 feet at RW-28 in August 2023; however, MP-4 was not gauged during the August 2023 monitoring event and the measured product thickness during August 2024 is less than that measured at the same location during the August 2022 monitoring event. Measurements were again not obtained from CW 11+15 or MW-61 during the April 2024 gauging event as the wells were determined to have been damaged beyond use and are pending abandonment and reinstallation. Monitoring well MW-60 could not be located and is presumed to be destroyed, and recovery well RW-18 was inaccessible due to refinery demolition activities during the August 2024 gauging event.

The *2023 Groundwater Remediation and Monitoring Annual Report* submitted by Western Refining Southwest, LLC. (Western) on April 12, 2024, recommended that wells MW-61 and CW 11+15 be reinstalled in 2024. The aforementioned report is currently pending NMED review and, therefore, the reinstallation has not yet been conducted. Western will contact the NMED during 2025 in an attempt to receive written approval for well reinstallation to prevent further delay of additional monitoring in those locations. Before reinstalling MW-60, MW-61, and CW 11+15 an attempt will be made to properly plug and abandon the wells per New Mexico Office of the State Engineer (NMOSE) guidelines.

A notable reduction in SPH thickness was recorded in wells MW-56, RW-28, and RW-43 from August 2023 to August 2024. In addition, wells MW-26, RW-1, and RW-9, which historically contained measurable SPH prior to 2021, monitoring points MP-1 and MP-2, which were not gauged in 2023 but historically contained measurable SPH prior to 2022, and wells MW-20, MW-21, MW-57, RW-19, and RW-22, which contained measurable SPH during the August 2023 monitoring event were all absent of measurable SPH during the August 2024 monitoring event; however, over this timeframe, several wells exhibited increasing SPH thickness, including MW-75 and CW 8+45, and measurable SPH was detected in wells MW-74 and MW-76 in 2024 for the first time since installation. SPH thicknesses in the remaining wells containing measurable SPH remained static from August 2023 to August 2024. SPH thickness has varied across the Terminal as it is impacted by the total fluids recovery system uptime and the pumping rates at various locations.

Both increases and decreases in measured SPH from August 2023 to August 2024 are likely attributed to individual recovery well performance and overall total fluids recovery system performance throughout the year at many of the aforementioned locations. Recommendations to address SPH in areas that are unlikely to be directly affected by the total fluids recovery system are presented below and in **Section 6.2**.

Between August 2023 and April 2024, the SPH plume expanded to cover much of the former refinery process area, including the more centralized monitoring wells within that location that had been absent of measurable SPH in August 2023 (MW-40, MW-74, MW-75, and MW-76).

Following an evaluation of the April 2024 gauging data, total fluids recovery system repairs and maintenance efforts were increased to address the expanded SPH plume throughout the area. Based on the August 2024 gauging data, the SPH plume decreased in the former refinery process area as compared to April 2024 with the plume no longer extending continuously from MP-3 and MP-4 to the southern property boundary.

Groundwater and Surface Water Sampling

During the semiannual event conducted in April 2024, samples were collected for field parameter screening and laboratory analysis from a subset of wells and surface water locations including:

- MWs and RWs;
- CWs and OWs; and,
- San Juan River surface water sample locations.

During the annual event conducted in August 2024, groundwater and surface water samples were collected for field parameter screening and laboratory analysis throughout the Bloomfield Terminal in the following areas:

- Terminal Complex – includes terminal, cross-gradient, down-gradient, and Resource Conservation and Recovery Act (RCRA) wells;
- North Boundary Barrier – includes OWs and CWs;
- San Juan River Bluff – includes outfall and seep locations; and,
- San Juan River surface water sample locations.

The specific wells sampled during the April semiannual, and August annual events are listed in **Section 2.3.** Groundwater samples collected during 2024 events were analyzed for one or more of the following methods:

Analysis	Analytical Method
Volatile Organic Compounds-Target List	EPA Method 8260B
Total Petroleum Hydrocarbons-DRO	EPA Method 8015D_DRO_LL
Total Petroleum Hydrocarbons-MRO	EPA Method 8015_DRO_LL
Total Petroleum Hydrocarbons-GRO	EPA Method 8015M/D
Semi-Volatile Organic Compounds	EPA Method 8270C
Alkalinity[1]	SM2320B[1]
Carbon Dioxide	SM4500
Anions	EPA Method 300.0
Total Dissolved Solids	Field Measurement
Total Recoverable Metals-Target List	EPA Methods 6010B/6020A/7470A
Dissolved Metals – Target List	EPA Methods 6010B/6020A/7470A

Notes:
DRO – diesel range organics
MRO – motor oil range organics
GRO – gasoline range organics
EPA – U.S. Environmental Protection Agency
[1] Alkalinity was analyzed using Standard Method SM2320B MOD versus the *Monitoring Plan*-approved analysis of EPA Method 310.1. The lab notified the samplers that EPA Method 310.1 was withdrawn by the EPA and SM 2320B is the equivalent method that is now approved for analyzing alkalinity. Alkalinity will continue to be analyzed by SM 2320B moving forward.

Groundwater and surface water sample results for both the April 2024 semiannual and August 2024 annual sampling events are summarized in **Tables 3** through **10.** Analyte concentration trends and changes are summarized in **Section 3.0**. Results and recommendations for the River Terrace portion of the facility will be outlined in a separate report.

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In general, organic constituents of concern (COC) concentrations are highest in the vicinity of former refinery processing units, and concentrations have exhibited generally stable or decreasing trends across the Terminal with the exception of terminal wells MW-4 and MW-40, downgradient well MW-11, and collection well CW 0+60.

The slurry wall spanning the north and west boundaries of the Terminal continues to effectively prevent migration of contaminants to the San Juan River side of the barrier; however, increasing concentration trends were previously observed at observation wells OW 11+15 and OW 16+60. Concentrations at OW 11+15 decreased between 2023 and 2024 and methyl tert-butyl ether (MTBE) concentrations at OW 16+60 have stabilized but remain elevated as compared to results prior to 2014. Total fluids recovery system efforts will continue to be focused on RW-23 and RW-28 in an attempt to prevent further migration of organic COCs towards the observation wells.

Organic COC concentrations at RCRA wells MW-59 and MW-65 have been decreasing over time, but concentrations exceeding the screening levels for several COCs remain. Western will continue to monitor concentrations at MW-59 and SPH thicknesses in wells MW-61, following reinstallation, and MW-66, located south of County Road 4990 near the LPG loading area, to determine whether remedial actions are warranted, as the total fluids recovery system does not extend south of the county road.

Additional details regarding COC trends across the Terminal are provided in **Section 6.1**.

Seep Inspections and Outfall sampling

Along the San Juan River bluff, weekly visual inspections of Seeps 1, 2, 3, and 5 and the outfall north of Tank 38 (Jungle Seep) were conducted in 2024. The Jungle Seep was the only seep exhibiting flow in 2024, and hydrocarbon odor and/or sheen was not observed at the seep throughout the year. In April and August 2024, East Outfall #2 and East Outfall #3 were observed to be dry.

Total Fluids Recovery Systems

The Terminal operates and monitors several fluid recovery systems within the facility, which include:

- Recovery well network;
- North boundary barrier collection system;
- Hammond Ditch;
- River Terrace pump-and-treat system; and,
- East outfall recovery system.

The Terminal operates a total fluids pumping system used to recover SPH and hydrocarbon impacted groundwater for treatment and disposal. This is accomplished by using a combination of electric submersible pumps, pneumatic submersible pumps, and SPH skimming pumps to extract SPH and groundwater and transfers it to the on-site American Petroleum Institute (API) separator for SPH removal. Following separation, the extracted groundwater is pumped through the wastewater treatment system (WWTS) prior to disposal through either on-site injection through the Terminal's permitted injection well or via evaporation. The total fluids pumping system was operational in 2024; however, several aging components led to individual recovery well downtime throughout the year.

Several repairs have been made to the various components of the total fluids recovery system throughout 2024 and continue to be made into 2025 to increase system performance and optimize SPH recovery across the Terminal. Once the majority of components have been operational for an extended period of time, an evaluation of overall system and individual well performance will be performed to determine if SPH has been recovered to the maximum extent practicable in certain locations across the Terminal. Recommendations to cease pumping in certain locations, if deemed to be warranted, will be presented in the 2025 annual report for agency review and approval.

As noted above, an increase in product thickness was observed at collection well CW 8+45, and measurable SPH was present at MW-74 and MW-76 in 2024 for the first time. Collection well CW 8+45 and MW-76 are located approximately 350 and 250 feet from the nearest recovery wells, respectively. Furthermore, monitoring well MW-77, which has historically contained measurable SPH, is located approximately 350 feet from the nearest recovery well. Historically, recovery well installation on the far western portion of the Terminal was not feasible due to the presence of retention ponds and refinery equipment that has since been demolished. Western will evaluate whether the installation of additional recovery wells near the former ponds and former refinery processing equipment is feasible or whether other remedial alternatives need to be evaluated to address the SPH in the area.

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LIST OF ACRONYMS AND ABBREVIATIONS

API	American Petroleum Institute
AS	air sparge
BTEX	benzene, toluene, ethylbenzene, and total xylenes
BV	biovent well
CO	carbon monoxide
COCs	contaminants of concern
DW	dewatering well
DRO	diesel range organics
DO	dissolved oxygen
EPA	U.S. Environmental Protection Agency
GAC	granulated activated carbon
GRO	gasoline range organics
HEAL	Hall Environmental Analysis Laboratory
H_2S	hydrogen sulfide
LPG	liquified petroleum gas
MCL	maximum contaminant level
µg/L	micrograms per liter
MTBE	methyl tert-butyl ether
mg/L	milligrams per liter
MP	monitoring point
MW	monitoring well
MRO	motor oil range organics
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMED-HWB	New Mexico Environment Department-Hazardous Waste Bureau
NMWQCC	New Mexico Water Quality Control Commission
O&M	operations & maintenance
ORP	oxidation reduction potential
QA/QC	quality assurance/quality control
RSLs	regional screening levels
SPH	separate phase hydrocarbons
SWMU	Solid Waste Management Unit
Terminal	The Bloomfield Terminal
TPH	total petroleum hydrocarbon
VEW	vapor extraction well
WWTS	wastewater treatment system

2024 Groundwater Remediation and Monitoring Annual Report

US EPA ID: NMD089416416

1.0 INTRODUCTION

This report documents groundwater remediation and monitoring activities conducted in 2024 at the Bloomfield Terminal, referred to hereinafter as the "Terminal", and was prepared for Western Refining Southwest LLC (Western) in accordance with the reporting requirements outlined in Section IV.A.2. of the July 2007 *Consent Order* issued by the NMED-HWB and Section 2.F. of *Discharge Permit GW-001* by the EMNDR-OCD. Groundwater monitoring and remediation activities related to the River Terrace portion of the Terminal are discussed in a separate report as it is overlying an alluvial aquifer that is hydraulically disconnected from the main Terminal, which is located on a bluff approximately 120 feet above the San Juan River and is overlying the Jackson Lake terrace perched aquifer. Groundwater monitoring was performed according to the *Facility-Wide Groundwater Monitoring Plan* (Western, June 2014) that was prepared pursuant to the terms and conditions of the July 2007 *Consent Order* issued by the NMED to San Juan Refining Company and Giant Industries Arizona, Inc. and the *Discharge Permit GW-001 for Western Refining Southwest LLC, Bloomfield Products Terminal* (State of New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division, July 2022). The purpose of the facility-wide groundwater monitoring is to characterize the nature and extent of impacts to groundwater related to the Terminal and to evaluate the effectiveness of the remedial actions taken to address the impacts. Results of the facility-wide monitoring are submitted to the NMED in an annual report by April 15th of each year.

1.1 Site Description

Owner:	Western Refining Southwest LLC (Formerly Giant Industries Arizona, Inc.), an Arizona Corporation
Operator:	Western Refining Southwest LLC (Formerly Giant Industries Arizona, Inc.), an Arizona Corporation
Site Name:	Bloomfield Terminal (Former Bloomfield Refinery)
US EPA ID:	NMD089416416
Location:	50 Road 4990 Bloomfield, New Mexico 87413

The Terminal, formerly known as the Bloomfield Refinery, is currently owned by San Juan Refining Company, a New Mexico corporation, and operated by Western, formerly known as Giant Industries Arizona, Inc. The Bloomfield Refinery was closed in 2009 and transitioned into a bulk fuel terminal. The history of the facility's operations and improvements are provided as **Appendix A**.

Currently, the Terminal is a crude oil and petroleum product transfer and storage facility that includes truck loading and unloading. The Terminal stores and transfers crude oil, petroleum products (e.g., naphtha, unleaded gasoline, diesel, and kerosene), and ethanol and is used to transfer petroleum products between pipelines, trucks, and storage tanks. Crude oil and petroleum products arrive by pipeline or tank trucks. The tank farm is a system of storage tanks used throughout the Terminal to hold and store crude oil, petroleum products, fuel additives, and water. These tanks are located above ground and range in size from less than 1,000 barrels to 110,000 barrels. Pumps, valves, and piping systems are used throughout the Terminal to transfer

various liquids between tanks and loading racks. Several tank truck loading racks are used to load out petroleum products and receive crude oil and gasoline additives.

The Terminal property occupies approximately 263 acres and is located south of the City of Bloomfield in San Juan County, New Mexico (**Figure 1**). The Terminal property is bisected by San Juan County Road 4990 (Sullivan Road), which runs east-west (**Figure 2**).

The portion of the Terminal with petroleum product processing equipment, storage tanks, and associated infrastructure is located on a bluff 120 feet above the south side of the San Juan River. Based on the available site-specific and regional subsurface information, the Terminal is underlain by the Quaternary Jackson Lake terrace deposits, which unconformably overlie the Tertiary Nacimiento Formation. The Jackson Lake deposits consist of fine-grained sand, silt, and clay that grades to coarse sand, gravel, and cobble size material closer to the contact with the Nacimiento Formation. The Jackson Lake Formation is over 40 feet thick near the southeast portion of the Terminal and generally thins to the northwest toward the San Juan River. The Nacimiento Formation is primarily composed of fine-grained materials (e.g., carbonaceous mudstone/claystone with interbedded sandstones) with a reported local thickness of approximately 570 feet (Groundwater Technology, 1994).

2.0 GROUNDWATER AND SURFACE WATER MONITORING ACTIVITIES

The following is a summary of monitoring activities conducted at the Terminal during the April 2024 semiannual and August 2024 annual monitoring events. Monitoring activities consisted of collecting fluid level measurements, water quality parameters, groundwater and surface water samples for laboratory analysis, and flow observations at seeps/outfalls. Monitoring activities conducted in April 2024 and August 2024 followed the guidelines outlined in the *Facility-Wide Groundwater Monitoring Plan* dated June 2014. **Figure 2** depicts all groundwater monitoring locations at the Terminal. **Figures 3** and **4** depict the locations of monitoring wells sampled in April and August 2024, respectively. **Figure 5** depicts the locations of the surface water samples and seeps/outfalls.

2.1 Fluid Level Measurements

Fluid level measurements, including depth-to-groundwater and depth-to-SPH, were collected on April 16, 2024, for the semiannual event and on August 6, 2024, for the annual event. Measurements were collected from the facility MPs, MWs, RWs, CWs, and OWs using an interface probe with an accuracy of 0.01 feet. Measurements were not collected from the AS well or VEW as they are not included within the most recently approved *Monitoring Plan* and are not constructed for the purposes of groundwater monitoring. Fluid levels were measured a minimum of 48 hours after the recovery well pumps were turned off to allow the groundwater elevation to return to static conditions. Measurements were not obtained from CW 11+15 or MW-61 during the April and August 2024 gauging events as the wells were determined to have been damaged beyond use and are pending abandonment and reinstallation. Monitoring well MW-60 could not be located and is presumed to be destroyed, and recovery well RW-18 was inaccessible due to refinery demolition activities during the April and August 2024 gauging events. Fluid level measurements are summarized in **Table 1**. Groundwater elevation contours are displayed on **Figures 6** and **7** for the April and August 2024 sampling events, respectively. Groundwater at the Terminal flows generally to the northwest.

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2.2 Groundwater and Surface Water Field Parameters and Sample Collection

After gauging, the monitoring wells required for sampling per the *Monitoring Plan* were purged of approximately three well volumes using a peristaltic pump, when sufficient water was present. During purging, field parameters including temperature, pH, electrical conductivity, ORP, turbidity, and DO were collected when purging was initiated and every 5 minutes until purging was complete using a calibrated water quality meter. These field parameters were also collected at surface water locations during sample collection. Field parameters are summarized in **Table 2**. Purge water was temporarily contained in a 250-gallon tote before being discharged to the Terminal's WWTS.

After purging, samples were collected into laboratory-provided sample containers. Groundwater samples were not collected from wells where either measurable SPH or a sheen was observed. Containers were labeled with the sample location identification, sample date, and sample time in accordance with relevant testing methodology. Samples were immediately placed on ice and remained chilled until delivery to Eurofins of Albuquerque, New Mexico (Eurofins) under proper chain-of-custody procedures and within the required hold times.

Groundwater and surface water samples were analyzed via one or more of the following laboratory methods:

Analysis	Analytical Method
Volatile Organic Compounds-Target List	EPA Method 8260B
Total Petroleum Hydrocarbons-DRO	EPA Method 8015D_DRO_LL
Total Petroleum Hydrocarbons-MRO	EPA Method 8015_DRO_LL
Total Petroleum Hydrocarbons-GRO	EPA Method 8015M/D
Semi-Volatile Organic Compounds	EPA Method 8270C
Alkalinity[1]	SM2320B[1]
Carbon Dioxide	SM4500
Anions	EPA Method 300.0
Total Dissolved Solids	Field Measurement
Total Recoverable Metals-Target List	EPA Methods 6010B/6020A/7470A
Dissolved Metals – Target List	EPA Methods 6010B/6020A/7470A

Notes:
DRO – diesel range organics
MRO – motor oil range organics
GRO – gasoline range organics
EPA – U.S. Environmental Protection Agency
[1] Alkalinity was analyzed using Standard Method SM2320B MOD versus the *Monitoring Plan*-approved analysis of EPA Method 310.1.

Analyses are directed by the approved *Monitoring Plan*; however, during the 2024 sampling events, alkalinity was analyzed by Standard Method SM2320B, versus the *Monitoring Plan*-approved EPA Method 310.1. The lab notified the samplers that Method 310.1 was withdrawn by the EPA and SM 2320B is the equivalent method that is now approved for analyzing alkalinity. As such, alkalinity will continue to be analyzed by SM 2320B moving forward.

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During the August 2024 monitoring event, several wells that were sampled contained insufficient water to collect the sample volume needed to analyze all constituents listed on the *Monitoring Plan*. In cases where insufficient volume was obtained, organic analytes were prioritized over inorganic analytes.

The groundwater and surface water locations sampled during the April 2024 semiannual and August 2024 annual sampling events are listed below. Field paperwork including notes, gauging forms, field parameter logs, sample collection logs, and sample chains of custody are included as **Appendix B**.

2.3 Groundwater and Surface Water Sample Locations

April 2024 Sample Locations

During the April 2024 semiannual sampling event, groundwater and surface water samples were collected for laboratory analysis from the following locations:

Terminal Complex Area

- Terminal Well: MW-30;
- Cross-gradient Wells: MW-1, MW-13, and MW-33; and,
- Downgradient Wells: MW-12, MW-35, MW-37, and MW-38.

A sample was not collected from terminal well MW-20 due to SPH being present. Background well MW-6 was dry and could not be sampled.

Northern Boundary Barrier Area

- Collection Wells: CW 0+60 and CW 25+95; and,
- Observation Wells: OW 3+85, OW 11+15, OW 16+60, OW 22+00, OW 23+10, and OW 25+70.

Observation wells OW 0+60, OW 1+50, OW 5+50, OW 6+70, OW 8+10, OW 14+10, OW 19+50, and OW 23+90 were dry or contained insufficient water for sampling.

San Juan River Surface Water Samples

The April 2024 semiannual San Juan River surface water samples (**Figure 5**) were collected from the following locations:

- Upstream, north of MW-45, north of MW-46, and downstream.

August 2024 Annual Sampling Event Sample Locations

During the August 2024 annual sampling event, groundwater and surface water samples were collected for laboratory analysis from the following locations:

- Terminal Wells: MW-29, MW-31, MW-40, MW-44, and MW-52;
- Cross-Gradient Wells: MW-1, MW-13, MW-26, MW-27, MW-32, and MW-33;
- Downgradient Wells: MW-11, MW-37, and MW-38; and,
- RCRA Investigation Wells: MW-50, MW-51, MW-53, MW-59, MW-62, MW-63, MW-64, MW-65, MW-67, MW-68, MW-70, MW-71, and MW-78.

Background wells MW-3, MW-4, MW-5, and MW-6, downgradient wells MW-12, MW-34, and MW-35, and RCRA well MW-69 were dry or contained insufficient water for sampling.

Samples could not be collected from terminal wells RW-1, RW-9, RW-15, MW-20, MW-21, RW-23, RW-28, MW-30, RW-42, or RW-43 or RCRA wells MW-54, MW-55, MW-56, MW-57, MW-58, MW-66, MW-72, MW-73, MW-74, MW-75, MW-76, and MW-77 due to either the presence of measurable SPH or a sheen observed during purging.

Terminal well RW-18 was inaccessible due to refinery demolition activities.

RCRA well MW-60 was unable to be located and is presumed to be destroyed. RCRA well MW-61 was found to have been filled in with dirt prior to the August 2023 sampling event and is pending reinstallation following NMED approval of the recommendations presented in the *2023 Groundwater Remediation and Monitoring Annual Report*.

Northern Boundary Barrier Area

- Collection Well: CW 0+60 and CW 25+95; and,
- Observation Wells: OW 3+85, OW 8+10, OW 11+15, OW 16+60, OW 22+00, OW 23+10, OW 23+90, and OW 25+70.

Observation wells OW 0+60, OW 1+50, OW 5+50, OW 6+70, OW 14+10, and OW 19+50 were dry or contained insufficient water for sampling.

San Juan River Samples

San Juan River surface water samples were collected from the following locations: Upstream, north of MW-45, north of MW-46, and downstream.

2.4 San Juan River Bluff Seep and Outfall Monitoring Activities

San Juan River Bluff sampling includes the collection of water samples from East Outfall #2 and East Outfall #3 along the eastern portion of the facility, and from seeps 1, 2, 3, and 5 located along the western portion of the facility when sufficient water is flowing. A seep located northeast of Tank #38 known as “Jungle Seep” is inspected visually on a weekly basis but is not included in the *Monitoring Plan* for sampling and analysis. In 2024, weekly visual inspections of Seeps 1, 2, 3, 5 and “Jungle Seep” (located northeast of Tank #38) were completed.

Seeps 1, 2, 3, and 5, were observed to be dry throughout 2024, and therefore no samples were collected for laboratory analysis. Similarly, both East Outfall #2 and East Outfall #3 were observed to be dry in April 2024 and August 2024, and therefore no samples were collected for laboratory analysis. The weekly inspection field forms for the seeps are provided as **Appendix D**. Historical outfall and seep analytical results are summarized in **Tables 8** and **9**, respectively**.**

3.0 GROUNDWATER AND SURFACE WATER MONITORING RESULTS SUMMARY

3.1 Fluid Levels and Spearate Phase Hydrocarbons

Depth-to-water and depth-to-SPH field measurements collected in April and August 2024 were used to calculate SPH thickness in areas where SPH was present.

In April 2024, measurable SPH was detected at 26 monitoring locations: MW-4, MW-20, MW-21, MW-40, MW-55, MW-56, MW-57, MW-58, MW-59, MW-66, MW-71, MW-72, MW-74, MW-75, MW-76, MW-77, RW-2, RW-4, RW-14, RW-15, RW-16, RW-19, RW-22, RW-28, RW-42, RW-43, CW 8+45, MP-1, MP-2, MP-3, MP-4, and MP-5. The maximum measured SPH thickness was 1.68 feet in RW-19, an increase in maximum product thickness from 0.81 feet in both MW-56 and MW-57 during the April 2023 monitoring event. Measurements were not obtained from CW 11+15 or MW-61 during the April 2024 gauging event as the wells were determined to have been damaged beyond use and are pending abandonment and reinstallation. Monitoring well MW-60 could not be located and is presumed to be destroyed, and recovery well RW-18 was inaccessible due to refinery demolition activities during the April 2024 gauging event.

In August 2024, SPH was detected at 21 monitoring locations: MW-55, MW-56, MW-58, MW-66, MW-72, MW-74, MW-75, MW-76, MW-77, P-03, RW-2, RW-4, RW-15, RW-16, RW-28, RW-42, RW-43, CW 8+45, MP-3, MP-4, and MP-5. The maximum measured SPH thickness was 1.25 feet in MP-4, an increase from a maximum thickness of 1.09 feet at RW-28 in August 2023; however, MP-4 was not gauged during the August 2023 monitoring event and the measured product thickness during August 2024 is less than that measured during the August 2022 monitoring event. Measurements were again not obtained from CW 11+15 or MW-61 during the April 2024 gauging event as the wells were determined to have been damaged beyond use and are pending abandonment and reinstallation. Monitoring well MW-60 could not be located and is presumed to be destroyed, and recovery well RW-18 was inaccessible due to refinery demolition activities during the August 2024 gauging event. The *2023 Groundwater Remediation and Monitoring Annual Report* submitted by Western Refining Southwest, LLC. (Western) on April 12, 2024 recommended that wells MW-61 and CW 11+15 be reinstalled in 2024. The aforementioned report is currently pending NMED review and, therefore, the reinstallation has not yet been conducted. Western will contact the NMED during 2025 in an attempt to receive written approval for well reinstallation to prevent further delay of additional monitoring in those locations. Before reinstalling MW-60, MW-61 and CW 11+15 an attempt will be made to properly plug and abandon the wells per New Mexico Office of the State Engineer (NMOSE) guidelines.

A notable reduction in SPH thickness was recorded in wells MW-56, RW-28, and RW-43 from August 2023 to August 2024. In addition, wells MW-26, RW-1, and RW-9, which historically contained measurable SPH prior to 2021, monitoring points MP-1 and MP-2, which were not gauged in 2023 but historically contained measurable SPH prior to 2022, and wells MW-20, MW-21, MW-57, RW-19, and RW-22 which contained measurable SPH during the August 2023 monitoring event were all absent of measurable SPH during the August 2024 monitoring event; however, over this timeframe, several wells exhibited increasing SPH thickness, including MW-75, and CW 8+45, and measurable SPH was detected in well MW-74 and MW-76 in 2024 for the first time. SPH thicknesses in the remaining wells containing measurable SPH remained static from August 2023 to August 2024. SPH thickness has varied across the Terminal as it is impacted by the total fluids recovery system uptime and the pumping rates at various locations.

Both increases and decreases in measured SPH from August 2023 to August 2024 are likely attributed to individual recovery well performance and overall total fluids recovery system performance throughout the year at many of the aforementioned locations; however, collection well CW 8+45 is located approximately 350 feet from the nearest recovery well and is unlikely to be directly affected by the total fluids recovery system performance. SPH thickness will continue to be monitored semi-annually and if the thicknesses continue to increase with time in wells located in the northwestern portion of the Terminal, Western will evaluate whether the installation

of additional recovery wells is feasible or whether other remedial alternatives need to be evaluated to address the SPH in that area.

Between August 2023 and April 2024, the SPH plume expanded to cover much of the former refinery process area, including the more centralized monitoring wells within that location that had been absent of measurable SPH in August 2023 (MW-40, MW-74, MW-75, and MW-76).

Following an evaluation of the April 2024 gauging data, total fluids recovery system repairs and maintenance efforts were increased to address the expanded SPH plume throughout the area. Based on the August 2024 gauging data, the SPH plume decreased in the former refinery process area as compared to April 2024 with the plume no longer extending continuously from MP-3 and MP-4 to the southern property boundary.

Fluid level measurements are summarized in **Table 1**. Groundwater elevation contour maps for the April and August 2023 sampling events are provided as **Figures 6** and **7,** respectively. Measured SPH thicknesses from the April and August 2024 monitoring events are depicted on **Figures 8** and **9**, respectively.

3.2 Groundwater and Surface Water Sample Analytical Results

Laboratory analytical results from the April and August 2024 monitoring events were compared to the most conservative of either the EPA MCLs or the NMWQCC standards as published in 20.6.2 NMAC, 2002 NMWQCC standard. For analytes without an EPA MCL or NMWQCC standard, the EPA RSL for tap water was used to evaluate results (EPA, 2021). Groundwater sample results for TPH-GRO, TPH-DRO, and TPH-MRO were compared to groundwater screening levels in Table 6-4 of *NMED Risk Guidance for Site Investigations and Remediation* (NMED, 2021) (TPH screening level). Laboratory analytical reports from the 2024 sampling events are included as **Appendix C.**

Concentration maps were prepared depicting the semiannual and annual analytical results for a subset of COCs. BTEX and MTBE concentration distribution for the April and August 2024 monitoring events are depicted on **Figures 10** and **11**, respectively. Naphthalene concentrations for the August 2024 monitoring event are depicted on **Figure 12.** TPH concentrations for the April and August 2024 monitoring events are depicted on **Figures 13** and **14**, respectively. TDS concentrations for the April and August 2024 monitoring events are depicted on **Figure 15**.

3.2.1 April 2024 Analytical Results

Analytical results from the April 2024 monitoring event with detections above the applicable standards are summarized below. Field duplicate samples with the highest result for each compound between the parent and field duplicate sample are stated below. TPH was requested to be analyzed by the method that would result in the lowest reporting limits; however, the TPH reporting limits for DRO, GRO, and MRO still exceeded the screening level for TPH-DRO (0.0167 mg/L), TPH-GRO (0.0101 mg/L), and TPH-MRO (0.0858 mg/L); therefore, results below the method detection limit may still exceed the applicable screening levels.

Results below the method detection limits are not included in the following summary.

Total Dissolved Solids Results

Fourteen of the 18 groundwater and surface water locations (MW-30, MW-13, MW-33, MW-12, MW-35, MW-37, MW-38, CW 0+60, CW 25+95, OW 3+85, OW 11+15, OW 22+00, OW 23+10, and OW 25+70) exceeded the NMWQCC standard for TDS (1,000 mg/L). TDS results ranged from 210 mg/L (North of MW-46) to 2,750 mg/L (MW-33). TDS screening results for all locations are summarized in **Table 2**.

Terminal Wells

- MW-30 exceeded the benzene and ethylbenzene screening levels at concentrations of 300 µg/L and 1,800 µg/L, respectively.

The terminal well analytical results are summarized in **Tables 3A** through **3E**.

Cross-Gradient Wells

- Cross-gradient wells did not exceed screening levels or standards for any analytes on the semiannual sampling plan where sufficient volume could be collected.

The cross-gradient well analytical results are summarized in **Tables 4A** through **4E**.

Downgradient Wells

- Downgradient wells did not exceed screening levels or standards for any analytes on the semiannual sampling plan where sufficient volume could be collected.

The downgradient well analytical results are summarized in **Tables 5A** through **5F**.

Collection and Observation Wells

- CW 11+15 exceeded the benzene screening level at a concentration of 370 µg/L.
- OW 16+60 exceeded the MTBE screening level at a concentration of 270 µg/L.
- CW 0+60, OW 3+85, OW 11+15, and OW 16+60 exceeded the TPH-DRO screening level at concentrations of 2.8 mg/L, 33 mg/L, 19 mg/L, and 2.8 mg/L, respectively.
- OW 3+85, OW 11+15, and OW 16+60 exceeded the TPH-GRO screening level at concentrations of 2.0 mg/L, 2.6 mg/L, and 0.66 mg/L, respectively.

The collection and observation well analytical results are summarized in **Tables 7A** and **7B**.

San Juan River Surface Water Samples

- San Juan River surface water samples did not exceed screening levels or standards for any analytes on the semiannual sampling plan.

The San Juan River Surface Water Sample analytical results are summarized in **Tables 10A** through **10E**.

3.2.2 August 2024 Analytical Results

Analytical results from the August 2024 monitoring event above the applicable standards are summarized below. Field duplicate samples with the highest result for each compound between the parent and field duplicate sample are stated below. TPH was requested to be analyzed by the method that would result in the lowest reporting limits; however, the TPH reporting limits for DRO,

GRO, and MRO still exceeded the screening level for TPH-DRO (0.0167 mg/L), TPH-GRO (0.0101 mg/L), and TPH-MRO (0.0858 mg/L); therefore, results below the method detection limit may still exceed the applicable screening levels.

Several laboratory qualifiers were noted on the laboratory analytical reports for the samples collected during the August 2024 monitoring event. Western contacted the laboratory to request an explanation for the qualifiers and was provided with the following responses:

Qualifier	Laboratory Response
*1: LCS/LCSD RPD exceeds control limits	"This flag is showing that the variance between the LCS/LCSD recovery was higher than the set limit. The recoveries of the LCS and LCSD may or may not be out of control, but the % difference of the recoveries for the (LCS/LCSD) was high. This flag is associated with method 8270. The compounds that are impacted by this flag are shown on each sample. A small number of compounds are impacted. Only the flagged compounds are impacted, not all compounds in the method."
*-: LCS and/or LCSD is outside acceptance limits, low biased.	"This flag is showing that the flagged compounds have low recovery in the LCS/LCSD. The compounds associated with the low LCS/LCSD recovery are flagged in the data. The results for these flagged compounds should be considered estimated, with a low bias. Only the flagged compounds are impacted, not all compounds in the method.
S1-: Surrogate recovery exceeds control limits, low biased.	"This shows that the surrogate was not recoverable or was low due to sample dilution or sample matrix interferences. Normally when the surrogate result is 0 the lab is not able to recovery the surrogate due to heavy dilution. The sample result data may not be impacted by this "0" surrogate recovery. If the surrogate recovery is low but not "0" the reported data may biased slightly low."
S1+: Surrogate recovery exceeds control limits, high biased.	"This shows the that surrogate recovery was elevated. If a result was detected the result could be biased slightly high. This flag is often seen when compounds in the sample interfere with the recovery of the surrogate, yielding a high bias."
^+: Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.	"This is when the continuing calibration standard has an elevated recovery. From what I see the data associated with this flag is ND. If a result was detected with this flag the result could be biased slightly high."
F1: MS and/or MSD recovery exceeds control limits.	"Normally we attribute out of control MS/MSD spike recoveries to matrix inconsistencies. The sample matrix can cause inconsistencies in the recovery of the spiked compounds."
F2: MS/MSD RPD exceeds control limits.	"Normally we attribute elevated RPD due to matrix inconsistencies. The sample matrix can cause inconsistencies in the recovery of the spiked compounds."
P2: The sample was	"This was for the volatiles methods 8260/GRO. We check the pH

Qualifier	Laboratory Response
received with pH>2.	of the Vial after the sample has been analyzed. If the pH of the vial is above 2, we flag the data. The elevated pH could be from rinsing out the HCL accidently by overfilling the VOA or if the water has an elevated pH or a high buffering capacity."

In addition to the laboratory QA/QC qualifiers noted above, the trip blanks for laboratory job IDs 885-9427-1, 885-9543-1, and 885-9798-5 contained VOCs. The laboratory response regarding the VOC detections is as follows:

"It is very rare for us to see detections in trip blanks; however, we have seen toluene and xylenes hits before and usually it is caused by storing the trip blanks near exhaust or a gasoline source. If samples were exposed to the same situation as the trip blanks, then contamination is possible. We have no evidence there was lab contamination as our method blanks, trip blanks and fridge blanks all came out non-detect below the RL."

The cause of the trip blank contamination is unknown as samples were not stored near exhaust or gasoline sources. Sampling staff will ensure that samples are not stored near exhaust or gasoline sources during the 2025 sampling event. If additional issues are observed in 2025, indicating an ongoing issue, an investigation will be conducted to determine the source of the contamination.

Total Dissolved Solids Results

Sixteen of the 26 groundwater and surface water locations where field readings could be collected (MW-29, MW-31, MW-44, MW-52, MW-13, MW-26, MW-32, MW-11, MW-37, MW-53, MW-59, MW-62, MW-63, MW-65, CW 0+60, and OW 11+15) exceeded the NMWQCC standard for TDS. TDS results ranged from 164 mg/L (North of MW-46) to 3,601 mg/L (MW-44). TDS results are summarized in **Table 2**.

Terminal Wells

- MW-4 exceeded the applicable screening levels for the following compounds:
  - Benzene at a concentration of 98 µg/L.
  - Total xylenes at a concentration of 820 µg/L.
  - 1-methylnaphthalene at a concentration of 89 µg/L.
  - 2-methylnaphthalene at a concentration of 360 µg/L.
  - Naphthalene at a concentration of 610 µg/L.
  - 1,2,4-trimethylbenzene at a concentration of 1,700 µg/L.
  - 1,3,5-trimethylbenzene at a concentration of 380 µg/L.
  - n-propylbenzene at a concentration of 89 µg/L.
  - TPH-DRO at a concentration of 110 mg/L.
  - TPH-GRO at a concentration of 15 mg/L.
  - Total arsenic at a concentration of 0.030 mg/L.
  - Total barium at a concentration of 2.3 mg/L.
  - Total chromium at a concentration of 0.084 mg/L.
- MW-8 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.090 J mg/L.
  - Chloride at a concentration of 350 mg/L.
  - Sulfate at a concentration of 920 mg/L.
- MW-29 exceeded the applicable screening levels for the following compounds:

  - TPH-DRO at a concentration of 0.17 J mg/L.
  - Chloride at a concentration of 380 mg/L.
  - Sulfate at a concentration of 950 mg/L.
  - Total lead at a concentration of 0.022 mg/L.
  - Dissolved manganese at a concentration of 0.87 mg/L.
- MW-31 exceeded the applicable screening levels for the following compounds:
  - Benzene at a concentration of 16 µg/L.
  - Naphthalene at a concentration of 3.9 µg/L.
  - TPH-DRO at a concentration of 0.66 mg/L.
  - TPH-GRO at a concentration of 0.62 mg/L.
- MW-40 exceeded the applicable screening levels for the following compounds:
  - Naphthalene at a concentration of 99 J µg/L.
  - 1,2,4-trimethylbenzene at a concentration of 13 J µg/L.
  - TPH-DRO at a concentration of 20 mg/L.
  - TPH-GRO at a concentration of 3.7 mg/L.
- MW-44 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.071 J mg/L.
  - TPH-GRO at a concentration of 0.013 J mg/L.
  - Sulfate at a concentration of 2,900 mg/L.
  - Dissolved manganese at a concentration of 0.66 mg/L.
- MW-52 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.084 J mg/L.
  - Chloride at a concentration of 430 mg/L.
  - Sulfate at a concentration of 980 mg/L.

The terminal wells analytical results are summarized in **Tables 3A** through **3E**.

Cross-gradient Wells

- MW-1 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.15 J mg/L.
  - Dissolved iron at a concentration of 1.4 mg/L.
- MW-13 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.30 mg/L.
  - Sulfate at a concentration of 840 mg/L.
  - Total chromium at a concentration of 0.071 mg/L.
  - Dissolved manganese at a concentration of 0.72 mg/L.
- MW-26 exceeded the applicable screening levels for the following compounds:
  - 1-methylnaphthalene at a concentration of 24 µg/L.
  - Naphthalene at a concentration of 120 µg/L.
  - TPH-DRO at a concentration of 2.6 mg/L.
  - TPH-GRO at a concentration of 1.20 mg/L.
  - Dissolved barium at a concentration of 2.5 mg/L.
  - Dissolved iron at a concentration of 2.8 mg/L.
  - Dissolved manganese at a concentration of 1.6 mg/L.
- MW-27 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.54 mg/L.
  - TPH-MRO at a concentration of 0.39 mg/L.
  - Total cadmium at a concentration of 0.0150 mg/L.

  - Dissolved uranium at a concentration of 0.077 mg/L.
- MW-32 exceeded the applicable screening levels for the following compounds:
  - Naphthalene at a concentration of 1.2 J µg/L.
  - TPH-DRO at a concentration of 0.095 J mg/L.
- MW-33 exceeded the applicable screening level for TPH-DRO at a concentration of 0.097 J mg/L.

The cross-gradient wells analytical results are summarized in **Tables 4A** through **4E**.

Downgradient Wells

- MW-11 exceeded the applicable screening levels for the following compounds:
  - Napthalene at concentrations of 56 µg/L and 36 µg/L when analyzed by Method 8260 and Method 8270, respectively.
  - TPH-DRO at a concentration of 1.80 mg/L.
  - TPH-GRO at a concentration of 0.80 mg/L.
  - Total arsenic at a concentration of 0.032 mg/L.
  - Total lead at a concentration of 0.0200 mg/L.
  - Dissolved arsenic at a concentration of 0.026 mg/L.
  - Dissolved iron at a concentration of 6.5 mg/L.
  - Dissolved manganese at a concentration of 1.9 mg/L.
- MW-37 exceeded the applicable screening levels for the following compounds :
  - TPH-DRO at a concentration of 0.10 J mg/L.
  - TPH-GRO at a concentration of 0.013 J mg/L.
  - Chloride at a concentration of 390 mg/L.
  - Sulfate at a concentration of 2,100 mg/L.
  - Dissolved manganese at a concentration of 1.7 mg/L.
- MW-38 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.32 mg/L.
  - TPH-GRO at a concentration of 0.027 J mg/L.
  - TPH-MRO at a concentration of 0.077 J mg/L.
  - Dissolved iron at a concentration of 1.8 mg/L.
  - Dissolved manganese at a concentration of 2.8 mg/L.

The downgradient well analytical results are summarized in **Tables 5A** through **5F**.

RCRA Wells

- MW-50 exceeded the applicable screening level for dissolved manganese at a concentration of 4.7 mg/L.
- MW-51 exceeded the applicable screening level for dissolved manganese at a concentration of 0.69 mg/L.
- MW-52 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.084 J mg/L.
  - Chloride at a concentration of 430 mg/L.
  - Sulfate at a concentration of 980 mg/L.
- MW-53 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.10 J mg/L.
  - Chloride at a concentration of 810 mg/L.
  - Sulfate at a concentration of 1,100 mg/L.

  - Dissolved manganese at a concentration of 0.343mg/L.
- MW-59 exceeded the applicable screening levels for the following compounds:
  - Naphthalene at a concentration of 1.5 J µg/L.
  - TPH-DRO at a concentration of 0.22 mg/L.
  - TPH-GRO at a concentration of 0.056 mg/L.
  - Sulfate at a concentration of 1,200 mg/L.
  - Total arsenic at a concentration of 0.012 mg/L.
  - Dissolved manganese at a concentration of 0.87 mg/L.
- MW-62 exceeded the applicable screening levels for the following compounds:
  - Sulfate at a concentration of 3,700 mg/L.
  - Dissolved manganese at a concentration of 0.89 mg/L.
- MW-63 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.10 J mg/L.
  - Sulfate at a concentration of 1,200 mg/L.
  - Total arsenic at a concentration of 0.03 mg/L.
  - Dissolved arsenic at a concentration of 0.024 mg/L.
- MW-64 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.11 J mg/L.
  - Chloride at a concentration of 400 mg/L.
  - Nitrate at a concentration of 39 mg/L.
  - Sulfate at a concentration of 1,000 mg/L.
  - Dissolved iron at a concentration of 2.5 mg/L.
- MW-65 exceeded the applicable screening levels for the following compounds:
  - Benzene at a concentration of 70 µg/L.
  - MTBE at a concentration of 1,800 µg/L.
  - Naphthalene at a concentration of 2.3 J µg/L.
  - 1,2,4-trimethylbenzene at a concentration of 5.8 µg/L.
  - TPH-DRO at a concentration of 2.7 mg/L.
  - TPH-GRO at a concentration of 3.1 mg/L.
  - TPH-MRO at a concentration of 0.070 J mg/L.
  - Chloride at a concentration of 320 mg/L.
  - Total arsenic at a concentration of 0.012 mg/L.
  - Dissolved iron at a concentration of 7.0 mg/L.
  - Dissolved manganese at a concentration of 1.6 mg/L.
- MW-67 exceeded the applicable screening level for TPH-DRO at a concentration of 0.26 mg/L.
- MW-68 exceeded the applicable screening level for TPH-DRO at a concentration of 0.080 J mg/L.
- MW-70 exceeded the applicable screening level for TPH-DRO at a concentration of 0.19 J mg/L.
- MW-78 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.072 J mg/L.
  - TPH-GRO at a concentration of 0.014 J mg/L.

The RCRA wells analytical results are summarized in **Tables 6A** through **6F**.

Collection and Observation Wells

- CW 0+60 exceeded the applicable screening levels for the following compounds:
  - 1-methylnaphthalene at a concentration of 29 µg/L.
  - 2-methylnaphthalene at a concentration of 49 µg/L.
  - Naphthalene at a concentration of 180 µg/L.
  - N-propylbenzene at a concentration of 100 µg/L.
- CW 25+95 exceeded the applicable screening level for TPH-DRO at a concentration of 0.073 J mg/L.
- OW 3+85 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 11 J mg/L.
  - TPH-GRO at a concentration of 2.0 mg/L.
- OW 8+10 exceeded the applicable screening level for TPH-DRO at a concentration of 0.35 mg/L.
- OW 11+15 exceeded the applicable screening levels for the following compounds:
  - Benzene at a concentration of 340 µg/L.
  - TPH-DRO at a concentration of 35 mg/L.
  - TPH-GRO at a concentration of 2.2 mg/L.
- OW 16+60 exceeded the applicable screening levels for the following compounds:
  - MTBE at a concentration of 270 µg/L.
  - TPH-DRO at a concentration of 10 mg/L.
  - TPH-GRO at a concentration of 0.75 mg/L.
- OW 22+00 exceeded the applicable screening level for TPH-DRO at a concentration of 0.12 J mg/L.
- OW 23+10 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.39 mg/L.
  - TPH-MRO at a concentration of 0.10 mg/L.
- OW 23+90 exceeded the applicable screening level for TPH-DRO at a concentration of 0.20 mg/L.
- OW 25+70 exceeded the applicable screening level for TPH-DRO at a concentration of 0.075 J mg/L.

The collection and observation well analytical results are summarized in **Tables 7A** through **7B.**

San Juan River Surface Water Samples

- Upstream exceeded the applicable screening levels for the following compounds:
  - Total lead at a concentration of 0.095 mg/L.
  - Dissolved iron at a concentration of 1.9 mg/L.
- North of MW-45 exceeded the applicable screening level for total lead at a concentration of 0.035 mg/L
- North of MW-46 exceeded the applicable screening levels for the following compounds:
  - TPH-DRO at a concentration of 0.087 J mg/L.
  - Total lead at a concentration of 0.030 mg/L.
- Downstream exceeded the applicable screening level for TPH-DRO at a concentration of 0.094 J mg/L.

The San Juan River surface water analytical results are summarized in **Tables 10A** through **10E**.

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Laboratory analytical results from the August 2024 monitoring event for a subset of locations combined nitrate and nitrite into a single value, rather than reporting them separately. Due to the combined result presented in the laboratory report, nitrate and nitrite values are reported in the tables as combined values for several sample locations. Individual nitrate/nitrite analytes can only be reported within a 48 hour hold time; however, the hold time for reporting a combined for nitrate and nitrite result is 28 days. Although samples are delivered via courier within 24 hours of collection, Eurofins has stated that they are not always able to analyze individual concentrations of nitrate and nitrite within the 48-hour hold, and will, therefore, report a single combined concentration.

4.0 REMEDIATION SYSTEM MONITORING

4.1 Total Fluids Recovery System Performance

The Terminal operates a total fluids recovery system used to recover SPH and hydrocarbon impacted groundwater for treatment and disposal. This is accomplished by using a combination of electric submersible pumps, pneumatic submersible pumps, and SPH skimming pumps to extract SPH and groundwater and transfer it to the on-site API separator for SPH removal. Following separation, the extracted groundwater is pumped through the WWTS prior to disposal through either on-site injection through the Terminal's permitted injection well or via evaporation. The total fluids pumping system was operational in 2024; however, several aging components led to individual well downtime throughout the year. The wells that were intended to operate as active recovery wells in 2024 are RW-1, RW-2, RW-3, RW-4, RW-9, RW-14, RW-15, RW-16, RW-17, RW-18, RW-19, RW-22, RW-23, RW-28, RW-42, and RW-43. **Figure 2** depicts the location of the recovery wells within the Terminal.

Fourteen wells (RW-2, RW-3, RW-4, RW-9, RW-15, RW-17, RW-19, RW-20, RW-22, RW-23, RW-43, MW-56, MW-57, and MW-58) are intended to operate as total fluids recovery wells. Total fluids recovery wells are equipped with pneumatic submersible pumps that actuate based on the available hydraulic head on top of the pump intake. Compressed air is supplied to the pumps via a centralized air compressor. Three wells (RW-1, RW-14, and RW-16) were intended to operate as groundwater recovery wells for the majority of 2024. The groundwater recovery wells contained electric submersible pumps that are designed to aid in hydraulic control but are not designed to process SPH. Toward the end of 2024, the electric submersible pumps at RW-14 and RW-16 were replaced with pneumatic submersible pumps and the locations were converted into total fluids recovery wells due to the consistent presence of SPH in those locations. Additionally, three wells (RW-28, RW-42, and MW-55) are intended to operate as SPH recovery wells. The SPH recovery wells are equipped with pneumatic SPH-skimming pumps that are designed with a variable pump intake that floats on top of groundwater within a set 3-foot interval to recover SPH only.

O&M activities are performed on a weekly basis, as of October 2022, with a more in-depth O&M event performed monthly. Quarterly O&M activities were previously performed through October 2022. The monthly O&M visits include the gauging of recovery wells to determine SPH thickness, if present, the confirmation of pump intake depth and operation, the documentation of repairs made, and repairs required during future visits. The increase in O&M frequency has allowed for increased regular routine maintenance, including cycle frequency adjustments and pump intake cleaning, as well as repairs on the aging system components to maximize SPH recovery and maintain hydraulic control.

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The recovery well network is not equipped with individual flow meters; therefore, an estimation of 2024 fluid recovery from each recovery well is not possible; however, a trial totalizer was installed at recovery well RW-57 in November of 2023 and has been functioning to provide an estimate of total fluids recovered at that location. Issues were identified in 2024 when the pump at RW-57 was processing compressed air rather than groundwater and SPH and the totalizer was incorrectly registering the compressed air as gallons of liquid recovered. Following identification of the issue, totalizers were not installed at every recovery well location during 2024 as was previously proposed.

Several trial pneumatic pumps were installed at the site in 2024 to verify that the new pumps meet the requirements for the total fluids system and function as needed. Based on the increased performance at the trial locations, all pneumatic submersible total fluids pumps at the site will be upgraded to the new, more efficient models in 2025. Totalizers will be installed at the remaining recovery well locations in 2025 following pump upgrades. Due to the varying specific gravity of the total fluids recovered at each location as well as the possibility of air within the process stream, which should be minimized following pump upgrades, the totalizer readings collected during future O&M events will be used for qualitative purposes rather than for quantitative purposes.

4.2 North Boundary Barrier Wall Collection System Performance

The North Boundary Barrier Wall, which was installed in April 2005, consists of a 2,700-foot-long bentonite slurry wall that extends 2 to 5 feet into the Nacimiento Formation. The primary purpose of the wall is to prevent the migration of hydrocarbon-impacted groundwater and SPH towards the San Juan River. The collection system is comprised of 15 collection wells positioned along the facility-side of the barrier wall. For every collection well, there is an observation well installed along the river side of the barrier wall. **Figure 2** depicts the location of the collection wells and observation wells along the North Boundary Barrier Wall.

Depth-to-groundwater measurements collected in April 2024 and August 2024 indicate the barrier wall continues to provide a hydraulic barrier for groundwater below the facility. Based on the data collected in 2024, eight of the 14 observation wells (OW 0+60, OW 1+50, OW 5+50, OW 6+70, OW 8+10, OW 14+10, OW 19+50, and OW 23+90) were dry during at least one of the two sampling events conducted in April and August 2024 (**Table 1**). Furthermore, of the eight well pairs (i.e., observation and collection wells on opposite sides of the slurry wall) where water was present in the observation wells during at least one of the two sampling events in April and August 2024, the average difference in water level elevations across the slurry wall was 3.07 feet, which is in range with previous averages from 2022 and 2023 ranging from 2.83 feet to 3.49 feet. This difference in water level elevations immediately across the slurry wall is further evidence of its continued effectiveness.

4.3 Hammond Ditch Recovery System Performance

The Hammond Ditch Recovery System serves as a hydraulic relief mechanism for groundwater that mounds along the Facility side of the North Boundary Barrier Wall. The Hammond Ditch Recovery System consists of Recovery Tank 37, located along the western portion of the facility, and a French drain system constructed below the concrete-lined Hammond ditch. Groundwater recovered from the perforated sub-drain (the French drain) beneath the Hammond Irrigation Canal is conveyed to Tank 37 via two 8-inch influent lines. Tank 37 is equipped with a liquid level

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float control system and dedicated flow meter. Recovered water from Tank 37 is pumped through the flow meter to the API Separator. The location of Tank 37 is depicted on **Figure 5**.

All water recovered through the Hammond Ditch French drain west of the pipeline easement discharges to Tank 37. Tank 37 contents are then transferred to the API separator for product recovery. Terminal Operators inspect the operation of recovery system and Tank 37 daily and record the amount of water recovered in the tank via a flow meter located on the discharge end of the Tank 37 transfer pump. Approximately 2,539 barrels of total fluids were collected by the Hammond Ditch recovery system west of the pipeline easement throughout 2024. The total fluids recovered from installation to the end of 2024 for Tank 37 is approximately 29,621 barrels based on system totalizer readings. Digital field data sheets with weekly totalizer readings are provided in **Appendix D.**

4.4 East Outfall Recovery System Performance

East Outfall #1 is equipped with a holding tank and automatic pumping system. Water from Outfall #1 discharges into Tank 38 directly before being pumped to the on-site WWTS. **Figure 2** depicts the location of Tank 38. The flow rate of recovered water entering Tank 38 is dependent upon the operation of the Hammond Ditch, which is located just south of Tank 38.

Water recovered through the Hammond Ditch French drain east of the pipeline easement discharges through three outfalls (i.e., Outfall #1, Outfall #2, and Outfall #3). Total fluids from Outfall #1 are transferred to Tank 38 for temporary storage and, from there, transferred to the WWTS for treatment prior to disposal through the on-site injection well or the on-site evaporation ponds.

Tank 38 piping is equipped with a flow meter to measure the total gallons transferred to the WWTS. Totalizer readings are recorded on a weekly basis. Approximately 200,079 barrels of total fluids were collected by the Hammond Ditch recovery system east of the pipeline easement throughout 2024. Digital field data sheets with weekly totalizer readings are provided in **Appendix D.**

5.0 WASTE DISPOSAL

Western indefinitely suspended refining operations at the Facility on November 23, 2009. The crude unloading and product loading racks, storage tanks, and other supporting equipment remain in operation. Recovered water from on-site remediation activities and facility operations is treated through the on-site WWTS. Treated water is then disposed through the on-site Class I injection well or discharged to the on-site evaporation ponds. In 2024, 826,014 gallons of treated water were reinjected, and 13,516,000 gallons of treated water were discharged to the evaporation ponds. A summary of treated wastewater volumetric totals is included in **Table 12**.

6.0 DISCUSSION

6.1 Groundwater Monitoring

Groundwater Elevation

Overall, groundwater elevation at the terminal remained relatively stable from August 2023 to August 2024. Based on the August 2024 gauging data, cross-gradient well MW-26 observed a notable increase in groundwater elevation; however, the groundwater elevation noted on the

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sampling form from the same month was in line with historical gauging data and the measurement from the August 2024 gauging event is likely erroneous. Cross-gradient monitoring well MW-27 observed a notable decrease in groundwater elevation between April 2023 and August 2024, returning the groundwater elevation back in range with those recorded between 2018 and 2022. Downgradient well MW-11 observed a gradual decrease in groundwater elevation since August 2020 but rebounded to pre-2020 levels during the August 2025 gauging event. The wells will be gauged again in April and August of 2025 and the results will be evaluated to determine the consistency of these changes. Groundwater elevations across the Terminal vary in proportion to the stage of the San Juan River and are lowest during low-flow conditions (late summer through winter months). Hydrographs for a subset of wells are included as **Appendix E**.

Separate Phase Hydrocarbons

SPH thickness has varied across the Terminal as it is impacted by the total fluids recovery system uptime and the pumping rates at various locations.

Historically, SPH has been observed in four general areas at the Terminal: the "Terminals Area", the tank farm area, the former refinery process area, and along the north boundary barrier.

According to the Interstate Technology & Regulatory Council (ITRC), SPH thickness in monitoring wells is not equal to thickness in the formation and is dependent upon a number of factors. "Due to the dependance of in-well" SPH "thickness on geology and variable groundwater hydraulics, it should not generally be used as a sole metric for recoverability and indication of migration" (ITRC, 2018).

Terminals Area

At the "Terminals Area," located south of County Road 4990, SPH has been historically observed in two wells (MW-61 and MW-66), each installed in 2009 as part of the on-going RCRA investigation activities. Primary operations in this area include product loading and unloading, crude unloading, and product storage. SPH was measured in MW-66 in April 2024 and August 2024 at a thickness of 0.34 feet, remaining steady from the thickness recorded during the 2023 gauging events. Monitoring well MW-61 was found to have been inadvertently filled with dirt during road repair work and is pending replacement; however, SPH was not measured in the well during the April 2023 monitoring event. The *2023 Groundwater Remediation and Monitoring Annual Report* submitted by Western on April 12, 2024, recommended that well MW-61 be reinstalled in 2024. The aforementioned report is currently pending NMED review; therefore, the reinstallation has not yet been conducted. Western will contact the NMED during 2025 to receive written approval for well reinstallation to prevent further delays of additional monitoring. Before reinstalling MW-61 an attempt will be made to properly plug and abandon the well per NMOSE guidelines.

Tank Farm Area

The tank farm area is located at the eastern portion of the facility, north of County Road 4990, and includes four total fluids recovery wells (RW-14, RW-15, RW-16, and RW-17). In August 2024, SPH was measured in recovery wells RW-14 (0.98 feet), RW-15 (0.43 feet), and RW-16 (0.40 feet). The SPH thicknesses in all three wells remained steady from August 2023 to August 2024 but remain elevated from the thicknesses recorded in 2022 and earlier. The electric submersible pumps at RW-14 and RW-16 were replaced with new pneumatic submersible pumps in 2024 to increase SPH recovery. A new, higher performing pneumatic submersible pump has been procured to replace the

aging pump currently in use at RW-17 and will be installed in 2025. SPH thickness in the tank farm area will continue to be monitored throughout 2025 to evaluate the effectiveness of the pump upgrades.

Former Refinery Process Area

The former refinery process area spans a large portion of the terminal and includes former infrastructure. During 2024, several pieces of infrastructure associated with the former refinery operations were demolished, including the former crude unit, gas concentration unit, and sulfur recovery unit; however, the concrete pad and pillars remain. Several monitoring wells located within the vicinity of the former refinery process area have a history of measurable SPH predating the suspension of refinery operations in November 2009. Wells in this vicinity with measurable SPH thickness in August 2024 included MP-3 (0.38 feet), MP-4 (1.25 feet), MP-5 (0.93 feet), MW-55 (0.05 feet), MW-56 (0.11 feet), MW-58 (0.48 feet), MW-72 (0.03 feet), MW-74 (0.43 feet), MW-75 (0.49 feet), MW-76 (0.06 feet), MW-77 (0.56 feet), RW-2 (0.50 feet), P-2/RW-4 (0.05 feet), RW-28 (0.50 feet), RW-42 (0.29 feet), and RW-43 (0.20 feet). Well P-3 located south of the former refinery process area and Rd 4990, which is not on the *Monitoring Plan*, was noted to have 0.01 feet of measurable SPH during the August 2024 gauging event; however, the well has historically not contained measurable SPH and no measurable SPH was recorded in any of the wells surrounding that location. Because the well is not on the *Monitoring Plan,* the presence of SPH was not verified with a bailer or peristaltic pump and the 0.01 feet is likely to be equipment error that can commonly occur with interface probes. The presence or absence of SPH in locations that have historically not had measurable SPH will be visually verified during future monitoring events to confirm the validity of the interface probe readings.

A notable reduction in SPH thickness was recorded in wells MW-56, RW-28, and RW-43 from August 2023 to August 2024. In addition, wells MW-26, RW-1, and RW-9, which historically contained measurable SPH prior to 2021, monitoring points MP-1 and MP-2, which were not gauged in 2023 but historically contained measurable SPH prior to 2022, and wells MW-20, MW-21, MW-57, RW-19, and RW-22 which contained measurable SPH during the August 2023 monitoring event were all absent of measurable SPH during the August 2024 monitoring event; however, over this timeframe, several wells exhibited increasing SPH thickness, including MW-75, and measurable SPH was detected in well MW-74 and MW-76 in 2024 for the first time since installation. SPH thickness in the remaining wells containing measurable SPH located near former process units remained static from August 2023 to August 2024.

Northern Boundary Barrier

In 2005, a 2,700-foot-long bentonite slurry wall was installed along the western and northern boundary of the former process area. This north boundary barrier provides hydraulic control for SPH and groundwater on the terminal-side of the slurry wall. Measurable SPH has not been observed on the San Juan River side of the slurry wall since 2014. On the terminal side of the slurry wall, SPH was measured in collection well CW 8+45 at a thickness of 0.12 feet during the August 2024 monitoring event. SPH was not detected in CW 8+45 during either of the 2023 monitoring events; however, the thickness remains decreased as compared to those recorded between 2020 and 2022. Collection well CW 11+15, which has historically contained measurable SPH, was found damaged beyond repair during the April 2023 monitoring event and could not be gauged throughout 2024. The *2023 Groundwater Remediation and Monitoring Annual Report* submitted by Western on April 12, 2024, recommended that well CW 11+15 be reinstalled in 2024. The aforementioned report is currently pending NMED review and, therefore, the reinstallation has not yet been conducted. Western will contact the NMED during 2025 to receive written approval for well reinstallation to prevent further

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delay of additional monitoring. Before reinstalling CW 11+15 an attempt will be made to properly plug and abandon the well per NMOSE guidelines.

Organic Concentration Trends

Organic COC concentrations are generally highest in the vicinity of former refinery processing units and concentrations have exhibited generally stable or decreasing trends across the Terminal with the following exceptions:

- Terminal Wells
  - MW-4 – SPH was first observed while attempting to sample the well in August 2023 and, therefore, a sample could not be collected. Measurable free product was then detected in MW-4 during the April 2024 gauging event, but was no longer present during the August 2024 gauging event. A sample was collected in August 2024 and notable organic COC increases were observed as compared to the sample collected in August 2022.
  - MW-40 – Naphthalene concentrations have been gradually increasing since 2017.
- Downgradient Wells
  - MW-11 – Naphthalene concentrations exhibit an overall increasing trend.
- RCRA Wells
  - Not enough samples have been collected from wells MW-71 through MW-78 to be able to provide definitive trend evaluations. The wells will continue to be monitored and trend updates will be provided when available.
- Collection Wells
  - CW 0+60 – TPH-DRO and TPH-GRO concentrations exhibit an increasing trend.
- San Juan River Samples
  - No BTEX or MTBE constituents have been detected above the laboratory reporting limits in any of the samples collected from the San Juan River between 2021 and 2024; however, MTBE concentrations above the method detection limits and below the laboratory reporting limits were noted in all four samples collected during the August of 2024 monitoring event. A QA/QC note in the laboratory analytical report for laboratory job ID 885-10035-1 states that the “presence of MtBE at method detection level likely due to cross contamination from previous sample analysis with a high level of MtBE.” Based on the aforementioned laboratory note, the MTBE results for the San Juan River samples cannot be considered accurate. MTBE will continue to be monitored in 2025 to evaluate whether increasing trends are present.
  - TPH-DRO concentrations have increased from samples collected in August 2022 to those collected in August 2024. Due to elevated MDLs for samples collected in 2023 and April 2024, a direct trend for recent samples cannot be established. TPH-DRO concentrations North of MW-46 and Downstream will continue to be monitored in 2025 to evaluate whether increasing trends are present.

Time series graphs depicting the change in various organic COC concentrations over time for a subset of wells are provided as **Appendix E**.

The slurry wall spanning the north and west boundaries of the Terminal continues to effectively prevent migration of contaminants to the San Juan River side of the barrier; however, increasing concentration trends were previously observed at observation wells OW 11+15 and OW 16+60.

Concentrations at OW 11+15 decreased between 2023 and 2024 and MTBE concentrations at OW 16+60 have stabilized but remain elevated as compared to results prior to 2014. Total fluids recovery system efforts will continue to be focused on RW-23 and RW-28 to prevent further migration of organic COCs to the observation wells.

Organic COC concentrations at RCRA wells MW-59 and MW-65 have been decreasing over time, but concentrations exceeding the screening levels for several COCs remain. Western will continue to monitor concentrations at MW-59 and SPH thickness in wells MW-61, following reinstallation, and MW-66, located south of County Road 4990 near the LPG loading area, to determine whether remedial actions are warranted, as the total fluids recovery system does not extend south of the county road.

6.2 Total Fluids Recovery System Discussion and Recommendations

Several repairs have been made to the various components of the Total Fluids Recovery System throughout 2024. Repairs will continue to be made throughout 2025, to increase system performance and optimize SPH recovery across the Terminal. Once most components have been operational for an extended period of time, an evaluation of overall system and individual well performance will be performed in order to determine if SPH has been recovered to the maximum extent practicable in certain locations across the Terminal. Recommendations to cease pumping in certain locations, if deemed to be warranted, will be presented in the 2025 annual report for agency review and approval.

Monitoring well MW-4, which contained measurable SPH during the April 2024 monitoring event, is connected to the total fluids recovery system; however, a pump has not been located within the well for several years and the well was no longer intended to operate as an active recovery well. A pump will be installed during 2025 to address the SPH that was observed during the April 2024 monitoring event.

An increase in product thickness was observed at collection well CW 8+45 and measurable SPH was present at MW-74 and MW-76 in 2024 for the first time since installation. Collection well CW 8+45 and monitoring well MW-76 are located approximately 350 and 250 feet from the nearest recovery wells, respectively. Furthermore, monitoring well MW-77, which has generally contained measurable SPH, is located approximately 350 feet from the nearest recovery well. Historically, recovery well installation on the far western portion of the Terminal was not feasible due to the presence of retention ponds and refinery equipment that has since been demolished. Western will evaluate whether the installation of additional recovery wells near the former ponds and former refinery processing equipment is feasible or whether other remedial alternatives need to be evaluated to address the SPH in the area. Any requests for new well installation will be submitted in an updated *Monitoring Plan*, per discussions with the NMED. Recommended changes or modification to remedial alternatives at the site will be presented in the 2025 annual report for agency review and approval following evaluation of the 2024 monitoring data.

6.3 Sampling Plan Discussion and Recommendations

Based on additional review of both recent and historical data, a revised *Monitoring Plan* was submitted in June of 2023 outlining the proposed sampling schedule and sampling locations for both the April semiannual sampling event and August low-flow sampling event. The revised plan

was approved by the NMED with modifications on April 3, 2025. Western will begin to follow the last approved *2023 Facility-Wide Groundwater Monitoring Plan*, dated June 30, 2023, in 2025.

7.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

7.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

7.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Terminal contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Terminal may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

7.3 Reliance

This report has been prepared for the exclusive use of Western, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Terminal) is prohibited without the express written authorization of Western and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

8.0 REFERENCES

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Tables

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TABLE 1
FLUID LEVELS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-1	4/26/2021	5,519.21	21.40	NPP	17.60	5,501.61	NPP
	8/16/2021	5,519.21	21.40	NPP	17.24	5,501.97	NPP
	12/21/2021	5,519.21	21.40	NPP	18.64	5,500.57	NPP
	4/11/2022	5,519.21	21.40	NPP	18.80	5,500.41	NPP
	8/1/2022	5,519.21	21.40	NPP	17.85	5,501.36	NPP
	4/24/2023	5,519.21	21.42	NPP	19.56	5,499.65	NPP
	8/9/2023	5,519.21	21.42	NPP	19.16	5,500.05	NPP
	4/16/2024	5,519.21	21.42	NPP	20.18	5,499.03	NPP
	8/5/2024	5,519.21	21.42	NPP	19.90	5,499.31	NPP
MW-3	4/26/2021	5,539.27	36.50	NPP	36.50	5,502.77	NPP
	8/16/2021	5,539.27	36.50	NPP	NWP	NWP	NPP
	4/11/2022	5,539.27	36.50	NPP	NWP	NWP	NPP
	8/1/2022	5,539.27	36.50	NPP	NWP	NWP	NPP
	4/24/2023	5,539.27	36.44	NPP	NWP	NWP	NPP
	8/9/2023	5,539.27	36.44	NPP	NWP	NWP	NPP
	4/16/2024	5,539.27	36.44	NPP	NWP	NWP	NPP
	8/5/2024	5,539.27	36.44	NPP	NWP	NWP	NPP
MW-4	4/26/2021	5,527.78	29.81	NPP	27.55	5,500.23	NPP
	8/16/2021	5,527.78	29.81	NPP	27.66	5,500.12	NPP
	4/11/2022	5,527.78	29.81	NPP	27.68	5,500.10	NPP
	8/1/2022	5,527.78	29.81	NPP	27.76	5,500.02	NPP
	4/24/2023	5,527.78	29.83	NPP	27.58	5,500.20	NPP
	8/9/2023	5,527.78	29.83	NPP	27.70	5,500.08	NPP
	4/16/2024	5,527.78	29.83	27.80	28.67	5,499.81	0.87
	8/5/2024	5,527.78	29.83	NPP	28.00	5,499.78	NPP
MW-5	4/26/2021	5,548.56	31.20	NPP	31.20	5,517.36	NPP
	8/16/2021	5,548.56	31.20	NPP	NWP	NWP	NPP
	4/11/2022	5,548.56	31.20	NPP	NWP	NWP	NPP
	8/1/2022	5,548.56	31.20	NPP	NWP	NWP	NPP
	4/24/2023	5,548.56	31.14	NPP	NWP	NWP	NPP
	8/9/2023	5,548.56	31.14	NPP	NWP	NWP	NPP
	4/16/2024	5,548.56	31.14	NPP	NWP	NWP	NPP
	8/6/2024	5,548.56	31.14	NPP	NWP	NWP	NPP
MW-6	4/26/2021	5,554.61	47.55	NPP	NWP	NWP	NPP
	8/16/2021	5,554.61	47.55	NPP	NWP	NWP	NPP
	4/11/2022	5,554.61	47.55	NPP	NWP	NWP	NPP
	8/1/2022	5,554.61	47.55	NPP	NWP	NWP	NPP
	4/24/2023	5,554.61	47.49	NPP	NWP	NWP	NPP
	8/9/2023	5,554.61	47.49	NPP	NWP	NWP	NPP
	4/16/2024	5,554.61	47.49	NPP	NWP	NWP	NPP
	8/6/2024	5,554.61	47.49	NPP	NWP	NWP	NPP
MW-7	4/26/2021	5,527.66	62.14	NPP	27.63	5,500.03	NPP
	8/16/2021	5,527.66	62.14	NPP	28.08	5,499.58	NPP
	4/11/2022	5,527.66	62.14	NPP	27.78	5,499.88	NPP
	8/1/2022	5,527.66	62.14	NPP	28.23	5,499.43	NPP
	4/24/2023	5,527.66	62.04	NPP	27.94	5,499.72	NPP
	8/9/2023	5,527.66	62.04	NPP	28.35	5,499.31	NPP
	4/16/2024	5,527.66	62.04	NPP	28.21	5,499.45	NPP
	8/5/2024	5,527.66	62.04	NPP	28.50	5,499.16	NPP

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San Juan County, New Mexico

Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-8	4/26/2021	5,534.58	34.80	NPP	31.88	5,502.70	NPP
	8/16/2021	5,534.58	34.80	NPP	32.50	5,502.08	NPP
	12/21/2021	5,534.58	34.80	NPP	32.63	5,501.95	NPP
	4/11/2022	5,534.58	34.80	NPP	32.86	5,501.72	NPP
	8/1/2022	5,534.58	34.80	NPP	32.86	5,501.72	NPP
	4/24/2023	5,534.58	34.75	NPP	33.21	5,501.37	NPP
	8/9/2023	5,534.58	34.75	NPP	33.39	5,501.19	NPP
	4/16/2024	5,534.58	34.75	NPP	34.08	5,500.50	NPP
	8/5/2024	5,534.58	34.75	NPP	33.46	5,501.12	NPP
MW-11	4/26/2021	Cannot Gauge - Wasp Nest in Well					
	8/16/2021	Cannot Gauge - Wasp Nest in Well					
	4/11/2022	Cannot Gauge - Wasp Nest in Well					
	8/1/2022	Cannot Gauge - Wasp Nest in Well					
	4/24/2023	5,510.31	22.32	NPP	21.37	5,488.94	NPP
	8/9/2023	5,510.31	22.32	NPP	19.16	5,491.15	NPP
	4/16/2024	5,510.31	22.32	NPP	20.48	5,489.83	NPP
	8/14/2024	5,510.31	22.32	NPP	12.43	5,497.88	NPP
MW-12	4/27/2021	5,501.61	13.49	NPP	10.42	5,491.19	NPP
	8/16/2021	5,501.61	13.49	NPP	9.56	5,492.05	NPP
	4/11/2022	5,501.61	13.49	NPP	10.37	5,491.24	NPP
	8/1/2022	5,501.61	13.49	NPP	9.60	5,492.01	NPP
	4/24/2023	5,501.61	13.36	NPP	11.54	5,490.07	NPP
	8/9/2023	5,501.61	13.36	NPP	NWP	NWP	NPP
	4/16/2024	5,501.61	13.36	NPP	10.54	5,491.07	NPP
	8/6/2024	5,501.61	13.36	NPP	NWP	NWP	NPP
MW-13	4/26/2021	5,542.04	52.92	NPP	40.96	5,501.08	NPP
	8/16/2021	5,542.04	52.92	NPP	41.04	5,501.00	NPP
	4/11/2022	5,542.04	52.92	NPP	41.19	5,500.85	NPP
	8/2/2022	5,542.04	52.92	NPP	41.28	5,500.76	NPP
	4/24/2023	5,542.04	52.85	NPP	41.31	5,500.73	NPP
	8/9/2023	5,542.04	52.85	NPP	41.32	5,500.72	NPP
	4/15/2024	5,542.04	52.85	NPP	41.42	5,500.62	NPP
	8/6/2024	5,542.04	52.85	NPP	41.45	5,500.59	NPP
MW-20	4/26/2021	5,519.90	27.11	20.75	20.77	5,499.15	0.02
	8/16/2021	5,519.90	27.40	NPP	20.80	5,499.10	NPP
	4/11/2022	5,519.90	27.40	NPP	21.00	5,498.90	NPP
	8/11/2022	5,519.90	27.40	NPP	20.99	5,498.91	NPP
	4/24/2023	5,519.90	24.99	20.89	21.64	5,498.86	0.75
	8/9/2023	5,519.90	24.99	20.92	21.56	5,498.85	0.64
	4/16/2024	5,519.90	24.99	21.08	22.10	5,498.62	1.02
	8/5/2024	5,519.90	24.99	NPP	20.62	5,499.28	NPP
MW-21	4/26/2021	5,521.99	30.51	21.59	21.79	5,500.36	0.20
	8/16/2021	5,521.99	30.52	NPP	21.80	5,500.19	NPP
	12/21/2021	5,521.99	30.52	NPP	22.18	5,499.81	NPP
	4/11/2022	5,521.99	30.52	22.32	22.39	5,499.66	0.07
	8/1/2022	5,521.99	30.52	NPP	22.05	5,499.94	NPP
	4/24/2023	5,521.99	30.44	NPP	24.49	5,497.50	NPP

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MW-21	8/9/2023	5,521.99	30.44	22.55	22.58	5,499.43	0.03
	4/16/2024	5,521.99	30.44	22.84	22.87	5,499.14	0.03
	8/5/2024	5,521.99	30.44	NPP	21.46	5,500.53	NPP
MW-25	4/26/2021	5,533.99	41.25	NPP	33.29	5,500.70	NPP
	8/16/2021	5,533.99	41.25	NPP	33.36	5,500.63	NPP
	4/11/2022	5,533.99	41.25	NPP	33.48	5,500.51	NPP
	8/1/2022	5,533.99	41.25	NPP	33.55	5,500.44	NPP
	4/24/2023	5,533.99	41.25	NPP	32.49	5,501.50	NPP
	8/9/2023	5,533.99	41.25	NPP	32.88	5,501.11	NPP
	4/16/2024	5,533.99	41.25	NPP	33.70	5,500.29	NPP
	8/6/2024	5,533.99	41.25	NPP	33.67	5,500.32	NPP
MW-26	4/26/2021	5,517.88	25.18	NPP	18.00	5,499.88	NPP
	8/16/2021	5,517.88	25.18	NPP	18.05	5,499.83	NPP
	4/11/2022	5,517.88	25.18	NPP	18.02	5,499.86	NPP
	8/1/2022	5,517.88	25.18	NPP	21.03	5,496.85	NPP
	4/24/2023	5,517.88	25.17	NPP	18.12	5,499.76	NPP
	8/9/2023	5,517.88	25.17	NPP	18.26	5,499.62	NPP
	4/16/2024	5,517.88	25.17	NPP	19.33	5,498.55	NPP
	8/6/2024	5,517.88	25.17	NPP	13.31	5,504.57	NPP
MW-27	4/26/2021	5,518.67	24.51	NPP	22.56	5,496.11	NPP
	8/16/2021	5,518.67	24.51	NPP	23.32	5,495.35	NPP
	4/11/2022	5,518.67	24.51	NPP	21.10	5,497.57	NPP
	8/1/2022	5,518.67	24.51	NPP	21.75	5,496.92	NPP
	4/24/2023	5,518.67	24.42	NPP	19.43	5,499.24	NPP
	8/9/2023	5,518.67	24.42	NPP	20.56	5,498.11	NPP
	4/16/2024	5,518.67	24.42	NPP	22.11	5,496.56	NPP
	8/6/2024	5,518.67	24.42	NPP	23.23	5,495.44	NPP
MW-29	4/26/2021	5,524.97	28.68	NPP	23.31	5,501.66	NPP
	8/16/2021	5,524.97	28.68	NPP	23.17	5,501.80	NPP
	12/21/2021	5,524.97	28.68	NPP	24.09	5,500.88	NPP
	4/11/2022	5,524.97	28.68	NPP	24.28	5,500.69	NPP
	8/1/2022	5,524.97	28.68	NPP	23.70	5,501.27	NPP
	4/24/2023	5,524.97	28.74	NPP	24.72	5,500.25	NPP
	8/9/2023	5,524.97	28.74	NPP	24.82	5,500.15	NPP
	4/16/2024	5,524.97	28.74	NPP	25.10	5,499.87	NPP
	8/5/2024	5,524.97	28.74	NPP	23.48	5,501.49	NPP
MW-30	4/26/2021	5,536.83	40.22	NPP	34.29	5,502.54	NPP
	8/16/2021	5,536.83	40.22	NPP	34.30	5,502.53	NPP
	12/21/2021	5,536.83	40.22	NPP	34.66	5,502.17	NPP
	4/11/2022	5,536.83	40.22	NPP	35.02	5,501.81	NPP
	8/1/2022	5,536.83	40.22	NPP	35.00	5,501.83	NPP
	4/24/2023	5,536.83	40.14	NPP	35.14	5,501.69	NPP
	8/9/2023	5,536.83	40.14	NPP	35.02	5,501.81	NPP
	4/16/2024	5,536.83	40.14	NPP	35.17	5,501.66	NPP
	8/5/2024	5,536.83	40.14	NPP	35.17	5,501.66	NPP
MW-31	4/26/2021	5,536.24	39.23	NPP	34.54	5,501.70	NPP
	8/16/2021	5,536.24	39.23	NPP	34.61	5,501.63	NPP
	4/11/2022	5,536.24	39.23	NPP	34.80	5,501.44	NPP
	8/2/2022	5,536.24	39.23	NPP	34.91	5,501.33	NPP

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MW-31	4/24/2023	5,536.24	39.16	NPP	34.88	5,501.36	NPP
	8/9/2023	5,536.24	39.16	NPP	34.86	5,501.38	NPP
	4/16/2024	5,536.24	39.16	NPP	35.01	5,501.23	NPP
	8/6/2024	5,536.24	39.16	NPP	35.04	5,501.20	NPP
MW-32	4/26/2021	5,525.64	27.60	NPP	25.41	5,500.23	NPP
	8/16/2021	5,525.64	27.60	NPP	25.26	5,500.38	NPP
	4/11/2022	5,525.64	27.60	NPP	25.41	5,500.23	NPP
	8/1/2022	5,525.64	27.60	NPP	25.54	5,500.10	NPP
	4/24/2023	5,525.64	27.54	NPP	25.49	5,500.15	NPP
	8/9/2023	5,525.64	27.54	NPP	25.77	5,499.87	NPP
	4/16/2024	5,525.64	27.54	NPP	26.03	5,499.61	NPP
	8/14/2024	5,525.64	27.54	NPP	25.73	5,499.91	NPP
MW-33	4/26/2021	5,521.79	25.56	NPP	24.50	5,497.29	NPP
	8/16/2021	5,521.79	25.56	NPP	25.00	5,496.79	NPP
	4/11/2022	5,521.79	25.56	NPP	24.40	5,497.39	NPP
	8/1/2022	5,521.79	25.56	NPP	24.70	5,497.09	NPP
	4/24/2023	5,521.79	25.50	NPP	23.90	5,497.89	NPP
	8/9/2023	5,521.79	25.50	NPP	24.44	5,497.35	NPP
	4/16/2024	5,521.79	25.50	NPP	24.39	5,497.40	NPP
	8/6/2024	5,521.79	25.50	NPP	24.95	5,496.84	NPP
MW-34	4/26/2021	5,511.63	15.20	NPP	15.20	5,496.43	NPP
	8/16/2021	5,511.63	15.20	NPP	14.72	5,496.91	NPP
	4/11/2022	5,511.63	15.20	NPP	14.75	5,496.88	NPP
	8/1/2022	5,511.63	15.20	NPP	14.39	5,497.24	NPP
	4/24/2023	5,511.63	20.97	NPP	14.85	5,496.78	NPP
	8/9/2023	5,511.63	20.97	NPP	NWP	NWP	NPP
	4/16/2024	5,511.63	20.97	NPP	14.74	5,496.89	NPP
	8/6/2024	5,511.63	20.97	NPP	14.81	5,496.82	NPP
MW-35	4/26/2021	5,518.95	26.00	NPP	22.76	5,496.19	NPP
	8/16/2021	5,518.95	26.00	NPP	22.41	5,496.54	NPP
	4/11/2022	5,518.95	26.00	NPP	NWP	NWP	NPP
	8/1/2022	5,518.95	26.00	NPP	22.40	5,496.55	NPP
	4/24/2023	5,518.95	25.62	NPP	22.58	5,496.37	NPP
	8/9/2023	5,518.95	25.62	NPP	22.83	5,496.12	NPP
	4/16/2024	5,518.95	25.62	NPP	22.46	5,496.49	NPP
	8/6/2024	5,518.95	25.62	NPP	NWP	NWP	NPP
MW-36	4/26/2021	5,516.95	22.93	NPP	21.10	5,495.85	NPP
	8/16/2021	5,516.95	22.93	NPP	20.44	5,496.51	NPP
	4/11/2022	5,516.95	22.93	NPP	21.06	5,495.89	NPP
	8/1/2022	5,516.95	22.93	NPP	20.45	5,496.50	NPP
	4/24/2023	5,516.95	23.05	NPP	20.88	5,496.07	NPP
	8/9/2023	5,516.95	23.05	NPP	21.03	5,495.92	NPP
	4/16/2024	5,516.95	23.05	NPP	20.80	5,496.15	NPP
	8/6/2024	5,516.95	23.05	NPP	20.86	5,496.09	NPP
MW-37	4/26/2021	5,519.62	27.43	NPP	23.86	5,495.76	NPP
	8/16/2021	5,519.62	27.43	NPP	23.47	5,496.15	NPP
	4/11/2022	5,519.62	27.43	NPP	23.61	5,496.01	NPP
	8/1/2022	5,519.62	27.43	NPP	23.48	5,496.14	NPP
	4/24/2023	5,519.62	27.35	NPP	23.65	5,495.97	NPP

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MW-37	8/9/2023	5,519.62	27.35	NPP	23.86	5,495.76	NPP
	4/16/2024	5,519.62	27.35	NPP	23.58	5,496.04	NPP
	8/26/2024	5,519.62	27.35	NPP	23.63	5,495.99	NPP
MW-38	4/26/2021	5,519.19	26.92	NPP	23.81	5,495.38	NPP
	8/16/2021	5,519.19	26.92	NPP	23.30	5,495.89	NPP
	4/11/2022	5,519.19	26.92	NPP	27.12	5,492.07	NPP
	8/1/2022	5,519.19	26.92	NPP	23.32	5,495.87	NPP
	4/24/2023	5,519.19	26.82	NPP	23.58	5,495.61	NPP
	8/9/2023	5,519.19	26.82	NPP	23.97	5,495.22	NPP
	4/16/2024	5,519.19	26.82	NPP	23.55	5,495.64	NPP
	8/6/2024	5,519.19	26.82	NPP	23.68	5,495.51	NPP
MW-39	4/26/2021	5,520.83	38.23	24.31	24.33	5,496.52	NPP
	8/16/2021	5,520.83	38.23	NPP	25.60	5,495.23	NPP
	4/11/2022	5,520.83	38.23	NPP	25.34	5,495.49	NPP
	8/1/2022	5,520.83	38.23	NPP	25.60	5,495.23	NPP
	4/24/2023	5,520.83	38.31	NPP	25.34	5,495.49	NPP
	8/9/2023	5,520.83	38.31	NPP	25.57	5,495.26	NPP
	4/16/2024	5,520.83	38.31	NPP	25.36	5,495.47	NPP
	8/5/2024	5,520.83	38.31	NPP	25.43	5,495.40	NPP
MW-40	4/26/2021	5,527.31	29.75	NPP	28.18	5,499.13	NPP
	8/16/2021	5,527.31	29.75	NPP	28.28	5,499.03	NPP
	4/11/2022	5,527.31	29.75	NPP	28.14	5,499.17	NPP
	8/1/2022	5,527.31	29.75	28.49	28.52	5,498.81	0.03
	4/24/2023	5,527.31	29.56	NPP	28.02	5,499.29	NPP
	8/9/2023	5,527.31	29.56	NPP	28.09	5,499.22	NPP
	4/16/2024	5,527.31	29.56	28.63	28.69	5,498.67	0.06
	8/5/2024	5,527.31	29.56	NPP	28.41	5,498.90	NPP
MW-41	4/26/2021	5,526.41	31.30	NPP	31.30	5,495.11	NPP
	8/16/2021	5,526.41	31.30	NPP	NWP	NWP	NPP
	4/11/2022	5,526.41	31.30	NPP	NWP	NWP	NPP
	8/1/2022	5,526.41	31.30	26.86	27.00	5,499.52	0.14
	4/24/2023	5,526.41	31.20	NPP	26.63	5,499.78	NPP
	8/9/2023	5,526.41	31.20	NPP	26.66	5,499.75	NPP
	4/16/2024	5,526.41	31.20	NPP	27.26	5,499.15	NPP
	8/5/2024	5,526.41	31.20	NPP	26.81	5,499.60	NPP
MW-44	4/26/2021	5,535.44	51.00	NPP	33.69	5,501.75	NPP
	8/16/2021	5,535.44	51.00	NPP	34.28	5,501.16	NPP
	4/11/2022	5,535.44	51.00	NPP	34.29	5,501.15	NPP
	8/1/2022	5,535.44	51.00	NPP	34.90	5,500.54	NPP
	4/24/2023	5,535.44	50.92	NPP	34.80	5,500.64	NPP
	8/9/2023	5,535.44	50.92	NPP	35.28	5,500.16	NPP
	4/16/2024	5,535.44	50.92	NPP	35.20	5,500.24	NPP
	8/5/2024	5,535.44	50.92	NPP	35.61	5,499.83	NPP
MW-45	4/26/2021	5,506.36	16.78	NPP	12.08	5,494.28	NPP
	8/17/2021	5,506.36	16.78	NPP	11.97	5,494.39	NPP
	4/11/2022	5,506.36	16.78	NPP	12.01	5,494.35	NPP
	8/1/2022	5,506.36	16.78	NPP	12.10	5,494.26	NPP
	4/24/2023	5,506.36	16.65	NPP	12.01	5,494.35	NPP
	8/9/2023	5,506.36	16.65	NPP	11.97	5,494.39	NPP

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MW-45	4/16/2024	5,506.36	16.65	NPP	12.23	5,494.13	NPP
	8/5/2024	5,506.36	16.65	NPP	12.04	5,494.32	NPP
MW-46	4/27/2021	5,504.65	10.51	NPP	NWP	NWP	NPP
	8/17/2021	5,504.65	10.51	NPP	NWP	NWP	NPP
	4/11/2022	5,504.65	10.51	NPP	NWP	NWP	NPP
	8/1/2022	5,504.65	10.51	NPP	NWP	NWP	NPP
	4/24/2023	5,504.65	10.09	NPP	NWP	NWP	NPP
	8/9/2023	5,504.65	10.09	NPP	NWP	NWP	NPP
	4/16/2024	5,504.65	10.09	NPP	NWP	NWP	NPP
	8/5/2024	5,504.65	10.09	NPP	NWP	NWP	NPP
MW-47	4/27/2021	5,506.77	14.17	NPP	13.57	5,493.20	NPP
	8/17/2021	5,506.77	14.17	NPP	13.55	5,493.22	NPP
	4/11/2022	5,506.77	14.17	NPP	13.26	5,493.51	NPP
	8/1/2022	5,506.77	14.17	NPP	12.75	5,494.02	NPP
	4/24/2023	5,506.77	14.10	NPP	12.94	5,493.83	NPP
	8/9/2023	5,506.77	14.10	NPP	13.22	5,493.55	NPP
	4/16/2024	5,506.77	14.10	NPP	13.36	5,493.41	NPP
	8/5/2024	5,506.77	14.10	NPP	13.41	5,493.36	NPP
MW-50	4/26/2021	5,518.79	22.05	NPP	17.40	5,501.39	NPP
	8/16/2021	5,518.79	22.05	NPP	16.75	5,502.04	NPP
	4/11/2022	5,518.79	22.05	NPP	18.55	5,500.24	NPP
	8/1/2022	5,518.79	22.05	NPP	17.55	5,501.24	NPP
	4/24/2023	5,518.79	22.06	NPP	19.56	5,499.23	NPP
	8/9/2023	5,518.79	22.06	NPP	19.29	5,499.50	NPP
	4/16/2024	5,518.79	22.06	NPP	20.23	5,498.56	NPP
	8/5/2024	5,518.79	22.06	NPP	17.94	5,500.85	NPP
MW-51	4/26/2021	5,515.58	22.03	NPP	14.89	5,500.69	NPP
	8/16/2021	5,515.58	22.03	NPP	14.50	5,501.08	NPP
	12/21/2021	5,515.58	22.03	NPP	15.66	5,499.92	NPP
	4/11/2022	5,515.58	22.03	NPP	15.65	5,499.93	NPP
	8/1/2022	5,515.58	22.03	NPP	14.72	5,500.86	NPP
	4/24/2023	5,515.58	22.11	NPP	16.55	5,499.03	NPP
	8/9/2023	5,515.58	22.11	NPP	16.30	5,499.28	NPP
	4/16/2024	5,515.58	22.11	NPP	17.11	5,498.47	NPP
	8/5/2024	5,515.58	22.11	NPP	14.79	5,500.79	NPP
MW-52	4/26/2021	5,538.63	41.78	NPP	36.44	5,502.19	NPP
	8/16/2021	5,538.63	41.78	NPP	36.46	5,502.17	NPP
	12/21/2021	5,538.63	41.78	NPP	37.16	5,501.47	NPP
	4/11/2022	5,538.63	41.78	NPP	37.40	5,501.23	NPP
	8/1/2022	5,538.63	41.78	NPP	37.20	5,501.43	NPP
	4/24/2023	5,538.63	41.69	NPP	37.72	5,500.91	NPP
	8/9/2023	5,538.63	41.69	NPP	37.89	5,500.74	NPP
	4/16/2024	5,538.63	41.69	NPP	38.04	5,500.59	NPP
	8/5/2024	5,538.63	41.69	NPP	37.83	5,500.80	NPP
MW-53	4/26/2021	5,541.32	43.60	NPP	39.01	5,502.31	NPP
	8/16/2021	5,541.32	43.60	NPP	39.10	5,502.22	NPP
	4/11/2022	5,541.32	43.60	NPP	39.75	5,501.57	NPP
	8/1/2022	5,541.32	43.60	NPP	39.82	5,501.50	NPP
	4/24/2023	5,541.32	43.51	NPP	39.95	5,501.37	NPP

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MW-53	8/9/2023	5,541.32	43.51	NPP	40.06	5,501.26	NPP
	4/16/2024	5,541.32	43.51	NPP	40.23	5,501.09	NPP
	8/5/2024	5,541.32	43.51	NPP	40.17	5,501.15	NPP
MW-54	4/26/2021	5,530.08	41.22	31.95	32.27	5,498.07	0.32
	8/16/2021	5,530.08	41.22	32.19	32.20	5,497.89	0.01
	4/11/2022	5,530.08	41.22	NPP	32.02	5,498.06	NPP
	8/1/2022	5,530.08	41.22	NPP	32.41	5,497.67	NPP
	4/24/2023	5,530.08	38.00	NPP	31.74	5,498.34	NPP
	8/9/2023	5,530.08	38.00	NPP	32.08	5,498.00	NPP
	4/16/2024	5,530.08	38.00	NPP	32.63	5,497.45	NPP
	8/5/2024	5,530.08	38.00	NPP	32.38	5,497.70	NPP
MW-55	4/26/2021	5,519.84	26.00	21.75	22.00	5,498.04	0.25
	8/16/2021	5,519.84	26.00	21.78	21.83	5,498.05	0.05
	12/21/2021	5,519.84	26.00	21.92	21.96	5,497.91	0.04
	4/11/2022	5,519.84	26.00	21.85	21.88	5,497.98	0.03
	8/1/2022	5,519.84	26.00	21.90	21.96	5,497.93	0.06
	4/24/2023	5,519.84	24.17	21.80	21.82	5,498.04	0.02
	8/9/2023	5,519.84	24.17	21.82	21.84	5,498.02	0.02
	4/16/2024	5,519.84	24.17	21.97	22.08	5,497.85	0.11
	8/5/2024	5,519.84	24.17	21.83	21.88	5,498.00	0.05
MW-56	4/26/2021	5,519.31	23.62	NPP	18.19	5,501.12	NPP
	8/16/2021	5,519.31	23.62	NPP	18.20	5,501.11	NPP
	4/11/2022	5,519.31	23.62	18.61	18.68	5,500.69	0.07
	8/1/2022	5,519.31	23.62	18.43	18.63	5,500.84	0.20
	4/24/2023	5,519.31	21.79	18.59	19.40	5,500.56	0.81
	8/9/2023	5,519.31	21.79	18.70	19.54	5,500.44	0.84
	4/16/2024	5,519.31	21.79	18.99	19.46	5,500.23	0.47
	8/5/2024	5,519.31	21.79	17.60	17.71	5,501.69	0.11
MW-57	4/26/2021	5,521.17	24.00	19.15	19.59	5,501.93	0.44
	8/16/2021	5,521.17	24.00	19.63	19.69	5,501.53	0.06
	4/11/2022	5,521.17	24.00	19.88	20.80	5,501.11	0.92
	8/1/2022	5,521.17	24.00	19.78	20.50	5,501.25	0.72
	4/24/2023	5,521.17	21.01	19.98	20.79	5,501.03	0.81
	8/9/2023	5,521.17	21.01	20.08	20.88	5,500.93	0.80
	4/16/2024	5,521.17	21.01	20.30	21.12	5,500.71	0.82
	8/5/2024	5,521.17	21.01	NPP	19.07	5,502.10	NPP
MW-58	4/26/2021	5,520.29	27.35	21.18	21.20	5,499.11	0.02
	8/16/2021	5,520.29	27.35	21.10	21.15	5,499.18	0.05
	4/11/2022	5,520.29	27.35	21.33	21.35	5,498.96	0.02
	8/1/2022	5,520.29	27.35	NPP	21.21	5,499.08	NPP
	4/24/2023	5,520.29	25.27	21.19	21.91	5,498.96	0.72
	8/9/2023	5,520.29	25.27	21.98	22.69	5,498.17	0.71
	4/16/2023	5,520.29	25.27	21.53	22.36	5,498.59	0.83
	8/5/2024	5,520.29	25.27	20.96	21.44	5,499.23	0.48
MW-59	4/26/2021	5,545.20	46.94	NPP	43.66	5,501.54	NPP
	8/16/2021	5,545.20	46.94	NPP	43.76	5,501.44	NPP
	4/11/2022	5,545.20	46.94	NPP	44.00	5,501.20	NPP
	8/1/2022	5,545.20	46.94	NPP	44.52	5,500.68	NPP
	4/24/2023	5,545.20	46.86	NPP	44.05	5,501.15	NPP

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MW-59	8/9/2023	5,545.20	46.86	NPP	44.03	5,501.17	NPP
	4/16/2024	5,545.20	46.86	NPP	44.12	5,501.08	NPP
	8/6/2024	5,545.20	46.86	NPP	44.22	5,500.98	NPP
MW-60	4/26/2021	5,543.71	43.47	NPP	43.45	5,500.26	NPP
	8/16/2021	5,543.71	43.47	NPP	42.88	5,500.83	NPP
	4/11/2022	5,543.71	43.47	NPP	42.88	5,500.83	NPP
	8/2/2022	5,543.71	43.47	NPP	42.89	5,500.82	NPP
	4/24/2023	5,543.71	43.36	NPP	43.01	5,500.70	NPP
	8/9/2023	Could Not Locate					
	4/16/2024	Could Not Locate					
	8/5/2024	Could Not Locate					
MW-61	4/26/2021	5,539.41	41.06	NPP	41.06	5,498.35	NPP
	8/16/2021	5,539.41	41.06	NPP	41.19	5,498.22	NPP
	4/11/2022	Well Not Accessible					
	8/1/2022	Well Not Accessible					
	4/24/2023	5,539.41	40.49	NPP	37.14	5,502.27	NPP
	8/9/2023	Well Filled in with Dirt					
	4/16/2024	Well Filled in with Dirt					
	8/5/2024	Well Filled in with Dirt					
MW-62	4/26/2021	5,561.32	61.38	NPP	56.27	5,505.05	NPP
	8/16/2021	5,561.32	61.38	NPP	56.48	5,504.84	NPP
	8/4/2022	5,561.32	61.38	NPP	56.76	5,504.56	NPP
	4/24/2023	5,561.32	61.25	NPP	57.11	5,504.21	NPP
	8/9/2023	5,561.32	61.25	NPP	56.80	5,504.52	NPP
	4/16/2024	5,561.32	61.25	NPP	56.90	5,504.42	NPP
	8/6/2024	5,561.32	61.25	NPP	56.95	5,504.37	NPP
MW-63	4/26/2021	5,547.26	47.89	NPP	45.06	5,502.20	NPP
	8/16/2021	5,547.26	47.89	NPP	45.21	5,502.05	NPP
	4/11/2022	5,547.26	47.89	NPP	45.48	5,501.78	NPP
	8/2/2022	5,547.26	47.89	NPP	45.61	5,501.65	NPP
	4/24/2023	5,547.26	47.80	NPP	45.50	5,501.76	NPP
	8/9/2023	5,547.26	47.80	NPP	45.48	5,501.78	NPP
	4/16/2024	5,547.26	47.80	NPP	45.60	5,501.66	NPP
	8/6/2024	5,547.26	47.80	NPP	45.66	5,501.60	NPP
MW-64	4/26/2021	5,552.29	52.41	NPP	50.23	5,502.06	NPP
	8/16/2021	5,552.29	52.41	NPP	50.46	5,501.83	NPP
	4/11/2022	5,552.29	52.41	NPP	50.05	5,502.24	NPP
	8/2/2022	5,552.29	52.41	NPP	50.60	5,501.69	NPP
	4/24/2023	5,552.29	52.33	NPP	50.54	5,501.75	NPP
	8/9/2023	5,552.29	52.33	NPP	50.48	5,501.81	NPP
	4/16/2024	5,552.29	52.33	NPP	50.57	5,501.72	NPP
	8/6/2024	5,552.29	52.33	NPP	50.63	5,501.66	NPP
MW-65	4/26/2021	Could Not Locate					
	8/16/2021	Could Not Locate					
	4/11/2022	Could Not Locate					
	8/2/2022	Could Not Locate					
	4/24/2023	5,539.62	44.22	NPP	41.71	5,497.91	NPP
	8/9/2023	5,539.62	44.22	NPP	41.73	5,497.89	NPP

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MW-65	4/16/2024	5,539.62	44.22	NPP	41.88	5,497.74	NPP
	8/6/2024	5,539.62	44.22	NPP	41.89	5,497.73	NPP
MW-66	4/26/2021	5,544.62	45.58	NPP	41.84	5,502.78	NPP
	8/16/2021	5,544.62	45.58	42.01	42.05	5,502.60	0.04
	4/11/2022	5,544.62	45.58	NPP	42.35	5,502.27	NPP
	8/2/2022	5,544.62	45.58	42.41	43.00	5,502.09	0.59
	4/24/2023	5,544.62	45.49	42.31	42.66	5,502.24	0.35
	8/9/2023	5,544.62	45.49	42.33	42.60	5,502.24	0.27
	4/16/2024	5,544.62	45.49	42.49	42.83	5,502.06	0.34
	8/6/2024	5,544.62	45.49	42.55	42.89	5,502.00	0.34
MW-67	4/26/2021	5,523.21	26.12	NPP	21.51	5,501.70	NPP
	8/16/2021	5,523.21	26.12	NPP	21.31	5,501.90	NPP
	4/11/2022	5,523.21	26.12	NPP	22.76	5,500.45	NPP
	8/1/2022	5,523.21	26.12	NPP	21.80	5,501.41	NPP
	4/24/2023	5,523.21	26.22	NPP	23.44	5,499.77	NPP
	8/9/2023	5,523.21	26.22	NPP	23.00	5,500.21	NPP
	4/16/2024	5,523.21	26.22	NPP	23.98	5,499.23	NPP
	8/5/2024	5,523.21	26.22	NPP	21.96	5,501.25	NPP
MW-68	4/26/2021	5,517.37	21.14	NPP	17.00	5,500.37	NPP
	8/16/2021	5,517.37	21.14	NPP	16.72	5,500.65	NPP
	12/21/2021	5,517.37	21.14	NPP	17.68	5,499.69	NPP
	4/11/2022	5,517.37	21.14	NPP	17.80	5,499.57	NPP
	8/1/2022	5,517.37	21.14	NPP	17.18	5,500.19	NPP
	4/24/2023	5,517.37	21.08	NPP	18.31	5,499.06	NPP
	8/9/2023	5,517.37	21.08	NPP	18.38	5,498.99	NPP
	4/16/2024	5,517.37	21.08	NPP	18.61	5,498.76	NPP
	8/5/2024	5,517.37	21.08	NPP	16.53	5,500.84	NPP
MW-69	4/26/2021	5,508.51	12.06	NPP	11.91	5,496.60	NPP
	8/17/2021	5,508.51	12.06	NPP	11.88	5,496.63	NPP
	4/11/2022	5,508.51	12.06	NPP	NWP	NWP	NPP
	8/1/2022	5,508.51	12.06	NPP	NWP	NWP	NPP
	4/24/2023	5,508.51	12.01	NPP	NWP	NWP	NPP
	8/9/2023	5,508.51	12.01	NPP	NWP	NWP	NPP
	4/16/2024	5,508.51	12.01	NPP	NWP	NWP	NPP
	8/5/2024	5,508.51	12.01	NPP	NWP	NWP	NPP
MW-70	4/26/2021	5,527.96	28.75	NPP	25.66	5,502.30	NPP
	8/16/2021	5,527.96	28.75	NPP	26.33	5,501.63	NPP
	4/11/2022	5,527.96	28.75	NPP	27.75	5,500.21	NPP
	8/1/2022	5,527.96	28.75	NPP	26.65	5,501.31	NPP
	4/24/2023	5,527.96	28.91	NPP	27.09	5,500.87	NPP
	8/9/2023	5,527.96	28.91	NPP	27.12	5,500.84	NPP
	4/16/2024	5,527.96	28.91	NPP	27.36	5,500.60	NPP
	8/5/2024	5,527.96	28.91	NPP	26.78	5,501.18	NPP
MW-71	4/26/2021	5,529.08	38.09	29.65	30.10	5,499.34	0.45
	8/16/2021	5,529.08	38.09	30.11	30.29	5,498.93	0.18
	4/11/2022	5,529.08	38.09	32.06	33.01	5,496.83	0.95
	8/1/2022	5,529.08	38.09	30.33	30.42	5,498.73	0.09
	4/24/2023	5,529.08	37.96	NPP	30.08	5,499.00	NPP
	8/9/2023	5,529.08	37.96	NPP	30.01	5,499.07	NPP

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MW-71	4/16/2024	5,529.08	37.96	30.50	30.55	5,498.57	0.05
	8/5/2024	5,529.08	37.96	NPP	30.25	5,498.83	NPP
MW-72	4/26/2021	5,528.54	34.90	NPP	29.67	5,498.87	NPP
	8/16/2021	5,528.54	34.90	28.81	28.90	5,499.71	0.09
	4/11/2022	5,528.54	34.90	28.88	28.96	5,499.64	0.08
	8/1/2022	5,528.54	34.90	28.98	29.05	5,499.55	0.07
	4/24/2023	5,528.54	34.92	28.74	28.81	5,499.79	0.07
	8/9/2023	5,528.54	34.92	28.69	28.74	5,499.84	0.05
	4/16/2024	5,528.54	34.92	29.21	29.23	5,499.33	0.02
	8/5/2024	5,528.54	34.92	28.78	28.81	5,499.75	0.03
MW-73	4/26/2021	5,528.92	36.83	NPP	29.67	5,499.25	NPP
	8/16/2021	5,528.92	36.83	NPP	29.73	5,499.19	NPP
	4/11/2022	5,528.92	36.83	NPP	29.82	5,499.10	NPP
	8/1/2022	5,528.92	36.83	NPP	29.97	5,498.95	NPP
	4/24/2023	5,528.92	36.75	NPP	29.73	5,499.19	NPP
	8/9/2023	5,528.92	36.75	NPP	29.60	5,499.32	NPP
	4/15/2024	5,528.92	36.75	NPP	30.16	5,498.76	NPP
	8/5/2024	5,528.92	36.75	NPP	29.89	5,499.03	NPP
MW-74	4/26/2021	5,528.92	33.95	NPP	29.02	5,499.90	NPP
	8/16/2021	5,528.92	33.95	NPP	28.98	5,499.94	NPP
	4/11/2022	5,528.92	33.95	NPP	29.22	5,499.70	NPP
	8/1/2022	5,528.92	33.95	NPP	29.31	5,499.61	NPP
	4/24/2023	5,528.92	33.91	NPP	29.10	5,499.82	NPP
	8/9/2023	5,528.92	33.91	NPP	29.01	5,499.91	NPP
	4/16/2024	5,528.92	33.91	29.38	29.92	5,499.43	0.54
	8/5/2024	5,528.92	33.91	29.00	29.43	5,499.83	0.43
MW-75	4/29/2021	5,528.76	32.28	28.05	28.55	5,500.61	0.50
	8/16/2021	5,528.76	32.28	NPP	28.61	5,500.15	NPP
	4/11/2022	5,528.76	32.38	NPP	28.84	5,499.92	NPP
	8/1/2022	5,528.76	32.38	NPP	28.91	5,499.85	NPP
	4/24/2023	5,528.76	32.15	NPP	28.72	5,500.04	NPP
	8/9/2023	5,528.76	32.15	NPP	28.74	5,500.02	NPP
	4/16/2024	5,528.76	32.15	29.00	29.59	5,499.64	0.59
	8/5/2024	5,528.76	32.15	28.62	29.11	5,500.04	0.49
MW-76	4/29/2021	5,528.61	34.13	NPP	28.93	5,499.68	NPP
	8/16/2021	5,528.61	34.14	NPP	29.02	5,499.59	NPP
	4/11/2022	5,528.61	34.14	NPP	29.12	5,499.49	NPP
	8/1/2022	5,528.61	34.14	NPP	29.12	5,499.49	NPP
	4/24/2023	5,528.61	34.09	NPP	28.86	5,499.75	NPP
	8/9/2023	5,528.61	34.09	NPP	28.85	5,499.76	NPP
	4/16/2024	5,528.61	34.09	29.76	30.08	5,498.79	0.32
	8/5/2024	5,528.61	34.09	29.05	29.11	5,499.55	0.06
MW-77	4/29/2021	5,527.59	34.40	28.69	29.38	5,498.76	0.69
	8/16/2021	5,527.59	34.40	28.87	29.21	5,498.65	0.34
	4/11/2022	5,527.59	34.40	28.63	29.21	5,498.84	0.58
	8/1/2022	5,527.59	34.40	29.05	29.69	5,498.41	0.64
	4/24/2023	5,527.59	34.30	NPP	28.61	5,498.98	NPP
	8/9/2023	5,527.59	34.30	28.55	29.10	5,498.93	0.55

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MW-77	4/16/2024	5,527.59	34.30	29.18	29.80	5,498.29	0.62
	8/5/2024	5,527.59	34.30	28.91	29.47	5,498.57	0.56
MW-78	4/24/2023	NM	37.50	NPP	33.60	NM	NPP
	8/9/2023	NM	37.50	NPP	33.71	NM	NPP
	4/16/2024	NM	37.50	NPP	NWP	NWP	NPP
	8/5/2024	NM	34.20	NPP	33.58	NM	NPP
P-03	4/27/2021	5,510.77	22.81	NPP	12.03	5,498.74	NPP
	8/16/2021	5,510.77	22.81	NPP	11.97	5,498.80	NPP
	4/11/2022	Well Not Accessible					
	8/2/2022	5,510.77	22.81	NPP	10.56	5,500.21	NPP
	4/24/2023	5,510.77	22.73	NPP	11.53	5,499.24	NPP
	8/9/2023	5,510.77	22.73	NPP	11.62	5,499.15	NPP
	4/16/2024	5,510.77	22.73	NPP	12.44	5,498.33	NPP
	8/6/2024	5,510.77	22.73	11.72	11.73	5,499.05	0.01
MW BCK1	4/28/2021	5,517.80	80.65	NPP	77.39	5,440.41	NPP
	8/16/2021	5,517.80	80.65	NPP	77.42	5,440.38	NPP
	4/11/2022	5,517.80	80.65	NPP	77.44	5,440.36	NPP
	8/2/2022	5,517.80	80.65	NPP	77.44	5,440.36	NPP
	4/24/2023	5,517.80	80.54	NPP	78.41	5,439.39	NPP
	8/9/2023	5,517.80	80.54	NPP	78.48	5,439.32	NPP
	4/16/2024	5,517.80	80.54	NPP	78.51	5,439.29	NPP
	8/6/2024	5,517.80	80.54	NPP	77.89	5,439.91	NPP
MW BCK2	4/28/2021	5,620.14	46.98	NPP	26.09	5,594.05	NPP
	8/16/2021	5,620.14	46.98	NPP	26.91	5,593.23	NPP
	4/11/2022	5,620.14	46.98	NPP	26.20	5,593.94	NPP
	8/2/2022	5,620.14	46.98	NPP	26.93	5,593.21	NPP
	4/24/2023	5,620.14	47.93	NPP	28.23	5,591.91	NPP
	8/9/2023	5,620.14	47.93	NPP	28.46	5,591.68	NPP
	4/16/2024	5,620.14	47.93	NPP	28.73	5,591.41	NPP
	8/6/2024	5,620.14	47.93	NPP	27.71	5,592.43	NPP
RW-1	4/26/2021	5,529.34	40.85	31.15	31.18	5,498.18	0.03
	8/16/2021	5,529.34	40.85	NPP	30.98	5,498.36	NPP
	4/11/2022	5,529.34	40.85	NPP	30.95	5,498.39	NPP
	8/2/2022	5,529.34	40.85	NPP	31.25	5,498.09	NPP
	4/24/2023	5,529.34	40.89	NPP	30.62	5,498.72	NPP
	8/9/2023	5,529.34	40.89	NPP	30.62	5,498.72	NPP
	4/16/2024	5,529.34	40.89	NPP	31.54	5,497.80	NPP
	8/5/2024	5,529.34	40.89	NPP	31.24	5,498.10	NPP
RW-2	4/26/2021	5,526.94	35.20	26.49	26.69	5,500.41	0.20
	8/16/2021	5,526.94	35.20	26.76	27.40	5,500.05	0.64
	4/11/2022	5,526.94	35.20	26.69	27.42	5,500.10	0.73
	8/1/2022	5,526.94	35.20	26.83	27.50	5,499.98	0.67
	4/24/2023	5,526.94	31.28	NPP	27.14	5,499.80	NPP
	8/9/2023	5,526.94	31.28	26.80	27.30	5,500.04	0.50
	4/16/2024	5,526.94	31.28	27.03	28.00	5,499.72	0.97
	8/5/2024	5,526.94	31.28	26.93	27.43	5,499.91	0.50

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RW-3	4/26/2021	5,520.35	33.80	NPP	22.24	5,498.11	NPP
	8/16/2021	5,520.35	33.80	NPP	22.31	5,498.04	NPP
	4/11/2022	5,520.35	33.80	NPP	21.95	5,498.40	NPP
	8/1/2022	5,520.35	33.80	NPP	21.98	5,498.37	NPP
	4/24/2023	5,520.35	33.62	NPP	22.34	5,498.01	NPP
	8/9/2023	5,520.35	33.62	NPP	21.98	5,498.37	NPP
	4/16/2024	5,520.35	33.62	NPP	22.40	5,497.95	NPP
	8/6/2024	5,520.35	33.62	NPP	22.20	5,498.15	NPP
P-2/RW-4	4/26/2021	5,523.86	38.10	26.61	27.01	5,497.17	0.40
	8/16/2021	5,523.86	38.10	27.09	27.55	5,496.68	0.46
	4/11/2022	5,523.86	38.10	27.08	27.65	5,496.67	0.57
	8/1/2022	5,523.86	38.10	27.11	27.69	5,496.63	0.58
	4/24/2023	Not On Plan					
	8/9/2023	Not On Plan					
	4/16/2024	5,523.86	38.10	27.37	28.15	5,496.33	0.78
	8/5/2024	5,523.86	38.10	27.20	27.25	5,496.65	0.05
RW-9	4/26/2021	5,523.21	33.90	24.37	24.77	5,498.76	0.40
	8/16/2021	5,523.21	33.90	NPP	24.79	5,498.42	NPP
	4/11/2022	5,523.21	33.90	NPP	24.80	5,498.41	NPP
	8/2/2022	5,523.21	33.90	NPP	24.88	5,498.33	NPP
	4/24/2023	5,523.21	31.95	NPP	24.78	5,498.43	NPP
	8/9/2023	5,523.21	31.95	NPP	24.73	5,498.48	NPP
	4/16/2024	5,523.21	31.95	NPP	24.82	5,498.39	NPP
	8/5/2024	5,523.21	31.95	NPP	24.78	5,498.43	NPP
RW-14	4/26/2021	5,537.50	41.85	NPP	35.49	5,502.01	NPP
	8/16/2021	5,537.50	41.85	NPP	35.29	5,502.21	NPP
	4/11/2022	5,537.50	41.85	36.20	36.25	5,501.29	0.05
	8/1/2022	5,537.50	41.85	35.96	36.00	5,501.53	0.04
	4/24/2023	5,537.50	42.06	36.44	36.51	5,501.05	0.07
	8/9/2023	5,537.50	42.06	36.32	37.36	5,500.97	1.04
	4/16/2024	5,537.50	42.06	36.44	37.68	5,500.81	1.24
	8/5/2024	5,537.50	42.06	36.18	37.16	5,501.12	0.98
RW-15	4/26/2021	5,536.83	42.10	NPP	35.19	5,501.64	NPP
	8/16/2021	5,536.83	42.10	NPP	35.18	5,501.65	NPP
	4/11/2022	5,536.83	42.10	35.93	35.97	5,500.89	0.04
	8/1/2022	5,536.83	42.10	35.60	35.75	5,501.20	0.15
	4/24/2023	5,536.83	38.49	36.05	36.22	5,500.75	0.17
	8/9/2023	5,536.83	38.49	36.02	36.65	5,500.68	0.63
	4/16/2024	5,536.83	38.49	36.23	36.60	5,500.53	0.37
	8/5/2024	5,536.83	38.49	35.80	36.23	5,500.94	0.43
RW-16	4/26/2021	5,535.45	43.15	34.01	34.36	5,501.37	0.35
	8/16/2021	5,535.45	43.15	34.45	35.50	5,500.79	1.05
	4/11/2022	5,535.45	43.15	34.81	35.91	5,500.42	1.10
	8/1/2022	5,535.45	43.15	34.71	34.82	5,500.72	0.11
	4/24/2023	5,535.45	43.12	34.71	35.30	5,500.62	0.59
	8/9/2023	5,535.45	43.12	34.78	35.38	5,500.55	0.60
	4/16/2024	5,535.45	43.12	35.03	35.50	5,500.33	0.47
	8/5/2024	5,535.45	43.12	34.98	35.38	5,500.39	0.40

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RW-17	4/26/2021	5,533.84	39.95	NPP	33.23	5,500.61	NPP
	8/16/2021	5,533.84	39.95	NPP	33.32	5,500.52	NPP
	4/11/2022	5,533.84	39.95	NPP	33.53	5,500.31	NPP
	8/1/2022	5,533.84	39.95	NPP	33.60	5,500.24	NPP
	4/24/2023	5,533.84	34.95	NPP	33.41	5,500.43	NPP
	8/9/2023	5,533.84	34.95	NPP	33.48	5,500.36	NPP
	4/16/2024	5,533.84	34.95	NPP	33.78	5,500.06	NPP
	8/5/2024	5,533.84	34.95	NPP	33.57	5,500.27	NPP
RW-18	4/26/2021	5,529.38	37.85	29.74	29.99	5,499.59	0.25
	8/16/2021	5,529.38	37.85	30.08	30.11	5,499.29	0.03
	4/11/2022	Well Not Accessible					
	8/1/2022	Well Not Accessible					
	4/24/2023	5,529.38	34.71	30.20	30.22	5,499.18	0.02
	8/9/2023	5,529.38	34.71	30.19	30.25	5,499.18	0.06
	4/16/2024	Well Not Accessible					
	8/5/2024	Well Not Accessible					
RW-19	4/26/2021	5,530.51	35.20	NPP	31.00	5,499.51	NPP
	8/16/2021	5,530.51	35.20	30.45	30.50	5,500.05	0.05
	4/11/2022	5,530.51	35.20	30.32	31.75	5,499.90	1.43
	8/1/2022	5,530.51	35.20	NPP	29.85	5,500.66	NPP
	4/24/2023	5,530.51	32.71	30.35	30.66	5,500.10	0.31
	8/9/2023	5,530.51	32.71	30.37	30.65	5,500.08	0.28
	4/16/2024	5,530.51	32.71	30.60	32.28	5,499.57	1.68
	8/5/2024	5,530.51	32.71	NPP	31.65	5,498.86	NPP
RW-22	4/26/2021	5,524.44	35.40	25.35	25.70	5,499.02	0.35
	8/16/2021	5,524.44	35.40	25.68	25.80	5,498.74	0.35
	4/11/2022	5,524.44	35.40	NPP	25.75	5,498.69	NPP
	8/1/2022	5,524.44	35.40	25.84	25.94	5,498.58	0.10
	4/24/2023	5,524.44	35.41	25.64	25.78	5,498.77	0.14
	8/9/2023	5,524.44	35.41	25.56	25.65	5,498.86	0.09
	4/16/2024	5,524.44	35.41	25.58	25.63	5,498.85	0.05
	8/5/2024	5,524.44	35.41	NPP	29.78	5,494.66	NPP
RW-23	4/26/2021	5,521.38	35.60	NPP	23.36	5,498.02	NPP
	8/16/2021	5,521.38	35.60	NPP	23.35	5,498.03	NPP
	4/11/2022	5,521.38	35.60	NPP	23.35	5,498.03	NPP
	8/2/2022	5,521.38	35.60	NPP	23.26	5,498.12	NPP
	4/24/2023	5,521.38	35.35	NPP	23.31	5,498.07	NPP
	8/9/2023	5,521.38	35.35	NPP	23.26	5,498.12	NPP
	4/16/2024	5,521.38	35.35	NPP	23.48	5,497.90	NPP
	8/5/2024	5,521.38	35.35	NPP	23.26	5,498.12	NPP
RW-28	4/26/2021	5,527.93	37.10	29.05	29.25	5,498.84	0.20
	8/16/2021	5,527.93	37.10	29.30	29.48	5,498.59	0.18
	4/11/2022	5,527.93	37.10	29.35	29.66	5,498.52	0.31
	8/1/2022	5,527.93	37.10	29.45	30.27	5,498.32	0.82
	4/24/2023	5,527.93	37.09	29.21	29.79	5,498.60	0.58
	8/9/2023	5,527.93	37.09	29.08	30.17	5,498.63	1.09
	4/16/2024	5,527.93	37.09	29.49	30.83	5,498.17	1.34
	8/5/2024	5,527.93	37.09	29.38	29.88	5,498.45	0.50

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RW-42	4/26/2021	5,527.48	32.15	NPP	27.17	5,500.31	NPP
	8/16/2021	Pump Running in Well - Unable to Gauge					
	4/11/2022	5,527.48	32.15	NPP	27.49	5,499.99	NPP
	8/1/2022	Pump Running in Well - Unable to Gauge					
	4/24/2023	5,527.48	31.95	27.36	27.46	5,500.10	0.10
	8/9/2023	5,527.48	31.95	27.43	27.53	5,500.03	0.10
	4/16/2024	5,527.48	31.95	27.59	28.68	5,499.67	1.09
	8/5/2024	5,527.48	31.95	27.44	27.73	5,499.98	0.29
RW-43	4/26/2021	5,520.02	24.25	21.15	21.56	5,498.79	0.41
	8/16/2021	Not Gauged					
	4/11/2022	5,520.02	24.25	26.80	27.47	5,493.09	0.67
	8/16/2022	5,520.02	24.25	20.80	21.35	5,499.11	0.55
	4/24/2023	5,520.02	24.17	20.87	21.50	5,499.02	0.63
	8/9/2023	5,520.02	24.17	20.90	21.57	5,498.99	0.67
	4/16/2024	5,520.02	24.17	21.18	21.94	5,498.69	0.76
	8/5/2024	5,520.02	24.17	20.36	20.56	5,499.62	0.20
OW 0+60	4/27/2021	5,506.62	12.34	NPP	12.34	5,494.28	NPP
	8/16/2021	5,506.62	12.34	NPP	12.11	5,494.51	NPP
	4/11/2022	5,506.62	12.34	NPP	11.93	5,494.69	NPP
	8/1/2022	5,506.62	12.34	NPP	11.22	5,495.40	NPP
	4/24/2023	5,506.62	12.27	NPP	11.76	5,494.86	NPP
	8/9/2023	5,506.62	12.27	NPP	12.07	5,494.55	NPP
	4/15/2024	5,506.62	12.27	NPP	NWP	NWP	NPP
	8/5/2024	5,506.62	12.27	NPP	12.08	5,494.54	NPP
OW 1+50	4/27/2021	5,508.03	14.42	NPP	14.42	5,493.61	NPP
	8/16/2021	5,508.03	14.42	NPP	14.39	5,493.64	NPP
	4/11/2022	5,508.03	14.42	NPP	14.21	5,493.82	NPP
	8/1/2022	5,508.03	14.42	NPP	13.35	5,494.68	NPP
	4/24/2023	5,508.03	14.42	NPP	13.94	5,494.09	NPP
	8/9/2023	5,508.03	14.42	NPP	14.32	5,493.71	NPP
	4/16/2024	5,508.03	14.42	NPP	NWP	NWP	NPP
	8/5/2024	5,508.03	14.42	NPP	NWP	NWP	NPP
OW 3+85	4/27/2021	5,507.31	15.22	NPP	14.14	5,493.17	NPP
	8/17/2021	5,507.31	15.22	NPP	14.35	5,492.96	NPP
	4/11/2022	5,507.31	15.22	NPP	13.80	5,493.51	NPP
	8/1/2022	5,507.31	15.22	NPP	13.34	5,493.97	NPP
	4/24/2023	5,507.31	15.08	NPP	13.48	5,493.83	NPP
	8/9/2023	5,507.31	15.08	NPP	13.73	5,493.58	NPP
	4/16/2024	5,507.31	15.08	NPP	14.21	5,493.10	NPP
	8/5/2024	5,507.31	15.08	NPP	14.07	5,493.24	NPP
OW 5+50	4/27/2021	5,507.59	13.85	NPP	13.85	5,493.74	NPP
	8/17/2021	5,507.59	13.85	NPP	NWP	NWP	NPP
	4/11/2022	5,507.59	13.85	NPP	NWP	NWP	NPP
	8/1/2022	5,507.59	13.85	NPP	NWP	NWP	NPP
	4/24/2023	5,507.59	13.76	NPP	13.69	5,493.90	NPP
	8/9/2023	5,507.59	13.76	NPP	13.52	5,494.07	NPP
	4/16/2024	5,507.59	13.76	NPP	NWP	NWP	NPP
	8/5/2024	5,507.59	13.76	NPP	13.56	5,494.03	NPP

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OW 6+70	4/27/2021	5,504.78	16.55	NPP	16.55	5,488.23	NPP
	8/17/2021	5,504.78	16.55	NPP	NWP	NWP	NPP
	4/11/2022	5,504.78	16.55	NPP	16.55	5,488.23	NPP
	8/1/2022	5,504.78	16.55	NPP	NWP	NWP	NPP
	4/24/2023	5,504.78	16.50	NPP	NWP	NWP	NPP
	8/9/2023	5,504.78	16.50	NPP	NWP	NWP	NPP
	4/16/2024	5,504.78	16.50	NPP	NWP	NWP	NPP
	8/5/2024	5,504.78	16.50	NPP	NWP	NWP	NPP
OW 8+10	4/27/2021	5,506.53	16.10	NPP	15.66	5,490.87	NPP
	8/17/2021	5,506.53	16.10	NPP	NWP	NWP	NPP
	4/11/2022	5,506.53	16.10	NPP	NWP	NWP	NPP
	8/1/2022	5,506.53	16.10	NPP	NWP	NWP	NPP
	4/24/2023	5,506.53	16.10	NPP	14.97	5,491.56	NPP
	8/9/2023	Unable to Access - Locked					
	4/16/2024	5,506.53	16.10	NPP	NWP	NWP	NPP
	8/5/2024	5,506.53	16.52	NPP	14.36	5,492.17	NPP
OW 11+15	4/27/2021	5,506.70	16.75	NPP	12.76	5,493.94	NPP
	8/17/2021	5,506.70	16.75	NPP	12.67	5,494.03	NPP
	4/11/2022	5,506.70	16.75	NPP	12.71	5,493.99	NPP
	8/1/2022	5,506.70	16.75	NPP	12.71	5,493.99	NPP
	4/24/2023	5,506.70	16.60	NPP	12.73	5,493.97	NPP
	8/9/2023	5,506.70	16.60	NPP	12.64	5,494.06	NPP
	4/16/2024	5,506.70	16.60	NPP	12.92	5,493.78	NPP
	8/5/2024	5,506.70	16.60	NPP	12.74	5,493.96	NPP
OW 14+10	4/27/2021	5,508.14	13.07	NPP	13.07	5,495.07	NPP
	8/17/2021	5,508.14	13.07	NPP	NWP	NWP	NPP
	4/11/2022	5,508.14	13.07	NPP	NWP	NWP	NPP
	8/1/2022	5,508.14	13.07	NPP	NWP	NWP	NPP
	4/24/2023	5,508.14	13.07	NPP	NWP	NWP	NPP
	8/9/2023	5,508.14	13.07	NPP	NWP	NWP	NPP
	4/16/2024	5,508.14	13.07	NPP	NWP	NWP	NPP
	8/5/2024	5,508.14	13.07	NPP	NWP	NWP	NPP
OW 16+60	4/27/2021	5,508.43	15.31	NPP	13.29	5,495.14	NPP
	8/17/2021	5,508.43	15.31	NPP	13.26	5,495.17	NPP
	4/11/2022	5,508.43	15.31	NPP	13.36	5,495.07	NPP
	8/1/2022	5,508.43	15.31	NPP	13.17	5,495.26	NPP
	4/24/2023	5,508.43	15.24	NPP	12.99	5,495.44	NPP
	8/9/2023	5,508.43	15.24	NPP	13.25	5,495.18	NPP
	4/16/2024	5,508.43	15.24	NPP	13.34	5,495.09	NPP
	8/5/2024	5,508.43	15.24	NPP	13.19	5,495.24	NPP
OW 19+50	4/27/2021	5,508.03	13.09	NPP	13.09	5,494.94	NPP
	8/17/2021	5,508.03	13.09	NPP	NWP	NWP	NPP
	4/11/2022	5,508.03	13.09	NPP	NWP	NWP	NPP
	8/1/2022	5,508.03	13.09	NPP	NWP	NWP	NPP
	4/24/2023	5,508.03	13.00	NPP	12.62	5,495.41	NPP
	8/9/2023	5,508.03	13.00	NPP	12.62	5,495.41	NPP
	4/16/2024	5,508.03	13.00	NPP	NWP	NWP	NPP
	8/5/2024	5,508.03	13.00	NPP	NWP	NWP	NPP

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TABLE 1
FLUID LEVELS
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Western Refining Southwest LLC
San Juan County, New Mexico

Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
OW 22+00	4/27/2021	5,506.91	14.22	NPP	11.96	5,494.95	NPP
	8/17/2021	5,506.91	14.22	NPP	13.38	5,493.53	NPP
	4/11/2022	5,506.91	14.22	NPP	10.24	5,496.67	NPP
	8/1/2022	5,506.91	14.22	NPP	12.03	5,494.88	NPP
	4/24/2023	5,506.91	14.15	NPP	11.73	5,495.18	NPP
	8/9/2023	5,506.91	14.15	NPP	13.54	5,493.37	NPP
	4/16/2024	5,506.91	14.15	NPP	12.95	5,493.96	NPP
	8/5/2024	5,506.91	14.15	NPP	10.45	5,496.46	NPP
OW 23+10	4/27/2021	5,514.12	18.41	NPP	16.67	5,497.45	NPP
	8/17/2021	5,514.12	18.41	NPP	16.77	5,497.35	NPP
	4/11/2022	5,514.12	18.20	NPP	16.85	5,497.27	NPP
	8/1/2022	5,514.12	18.20	NPP	16.68	5,497.44	NPP
	4/24/2023	5,514.12	18.34	NPP	16.94	5,497.18	NPP
	8/9/2023	5,514.12	18.34	NPP	17.07	5,497.05	NPP
	4/16/2024	5,514.12	18.34	NPP	17.02	5,497.10	NPP
	8/5/2024	5,514.12	18.34	NPP	14.41	5,499.71	NPP
OW 23+90	4/27/2021	5,515.18	18.12	NPP	18.12	5,497.06	NPP
	8/17/2021	5,515.18	18.12	NPP	17.61	5,497.57	NPP
	4/11/2022	5,515.18	18.12	NPP	NWP	NWP	NPP
	8/1/2022	5,515.18	18.12	NPP	NWP	NWP	NPP
	4/24/2023	5,515.18	18.07	NPP	17.85	5,497.33	NPP
	8/9/2023	5,515.18	18.07	NPP	17.91	5,497.27	NPP
	4/16/2024	5,515.18	18.07	NPP	NWP	NWP	NPP
	8/5/2024	5,515.18	18.07	NPP	14.92	5,500.26	NPP
OW 25+70	4/27/2021	5,509.00	14.04	NPP	11.10	5,497.90	NPP
	8/17/2021	5,509.00	14.04	NPP	11.22	5,497.78	NPP
	4/11/2022	5,509.00	14.04	NPP	11.44	5,497.56	NPP
	8/1/2022	5,509.00	14.04	NPP	11.25	5,497.75	NPP
	4/24/2023	5,509.00	13.95	NPP	11.45	5,497.55	NPP
	8/9/2023	5,509.00	13.95	NPP	NWP	NWP	NPP
	4/16/2024	5,509.00	13.95	NPP	11.63	5,497.37	NPP
	8/5/2024	5,509.00	13.95	NPP	8.42	5,500.58	NPP
CW 0+60	4/27/2021	5,506.68	14.15	NPP	8.82	5,497.86	NPP
	8/16/2021	5,506.68	14.15	NPP	8.85	5,497.83	NPP
	4/11/2022	5,506.68	14.15	NPP	8.59	5,498.09	NPP
	8/1/2022	5,506.68	14.15	NPP	8.45	5,498.23	NPP
	4/24/2023	5,506.68	13.39	NPP	8.30	5,498.38	NPP
	8/9/2023	5,506.68	13.39	NPP	8.77	5,497.91	NPP
	4/16/2024	5,506.68	13.39	NPP	9.33	5,497.35	NPP
	8/5/2024	5,506.68	13.39	NPP	8.85	5,497.83	NPP
CW 1+50	4/27/2021	5,505.13	13.42	NPP	7.13	5,498.00	NPP
	8/16/2021	5,505.13	13.42	NPP	7.11	5,498.02	NPP
	4/11/2022	5,505.13	13.42	NPP	6.88	5,498.25	NPP
	8/1/2022	5,505.13	13.42	NPP	7.05	5,498.08	NPP
	4/24/2023	5,505.13	13.39	NPP	6.62	5,498.51	NPP
	8/9/2023	5,505.13	13.39	NPP	6.99	5,498.14	NPP
	4/16/2024	5,505.13	13.39	NPP	7.47	5,497.66	NPP
	8/5/2024	5,505.13	13.39	NPP	7.22	5,497.91	NPP

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San Juan County, New Mexico

Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
CW 3+85	4/27/2021	5,503.87	13.30	NPP	5.88	5,497.99	NPP
	8/17/2021	5,503.87	13.30	NPP	5.90	5,497.97	NPP
	4/11/2022	5,503.87	13.30	NPP	5.70	5,498.17	NPP
	8/1/2022	5,503.87	13.30	NPP	5.88	5,497.99	NPP
	4/24/2023	5,503.87	13.24	NPP	5.55	5,498.32	NPP
	8/9/2023	5,503.87	13.24	NPP	5.73	5,498.14	NPP
	4/16/2024	5,503.87	13.24	NPP	6.12	5,497.75	NPP
	8/5/2024	5,503.87	13.24	NPP	5.94	5,497.93	NPP
CW 5+50	4/27/2021	5,503.76	12.31	NPP	6.50	5,497.26	NPP
	8/17/2021	5,503.76	12.31	NPP	NWP	NWP	NPP
	4/11/2022	5,503.76	12.31	NPP	6.45	5,497.31	NPP
	8/1/2022	5,503.76	12.31	NPP	6.44	5,497.32	NPP
	4/24/2023	5,503.76	12.29	NPP	6.31	5,497.45	NPP
	8/9/2023	5,503.76	12.29	NPP	6.40	5,497.36	NPP
	4/16/2024	5,503.76	12.29	NPP	6.83	5,496.93	NPP
	8/5/2024	5,503.76	12.29	NPP	6.48	5,497.28	NPP
CW 6+70	4/27/2021	5,503.84	6.97	NPP	6.87	5,496.97	NPP
	8/17/2021	5,503.84	6.97	NPP	NWP	NWP	NPP
	4/11/2022	5,503.84	6.97	NPP	6.78	5,497.06	NPP
	8/1/2022	5,503.84	6.97	NPP	7.01	5,496.83	NPP
	4/24/2023	5,503.84	11.47	NPP	6.69	5,497.15	NPP
	8/9/2023	5,503.84	11.47	NPP	6.96	5,496.88	NPP
	4/16/2024	5,503.84	11.47	NPP	NWP	NWP	NPP
	8/5/2024	5,503.84	11.47	NPP	NWP	NWP	NPP
CW 8+10	4/27/2021	5,504.02	11.42	NPP	8.91	5,495.11	NPP
	8/17/2021	5,504.02	11.42	NPP	8.05	5,495.97	NPP
	4/11/2022	5,504.02	11.42	NPP	7.79	5,496.23	NPP
	8/1/2022	5,504.02	11.42	NPP	7.90	5,496.12	NPP
	4/24/2023	5,504.02	11.38	NPP	7.61	5,496.41	NPP
	8/9/2023	5,504.02	11.38	NPP	7.73	5,496.29	NPP
	4/16/2024	5,504.02	11.38	NPP	7.98	5,496.04	NPP
	8/5/2024	5,504.02	11.38	NPP	7.86	5,496.16	NPP
CW 8+45	4/27/2021	5,503.80	12.67	8.27	8.67	5,495.45	0.40
	8/17/2021	5,503.80	12.67	8.18	8.69	5,495.52	0.51
	4/11/2022	5,503.80	12.67	8.20	8.40	5,495.56	0.20
	8/1/2022	5,503.80	12.67	8.31	8.32	5,495.49	0.01
	4/24/2023	5,503.80	12.60	NPP	8.02	5,495.78	NPP
	8/9/2023	5,503.80	12.60	NPP	8.28	5,495.52	NPP
	4/16/2024	5,503.80	12.60	8.31	8.40	5,495.47	0.09
	8/5/2024	5,503.80	12.60	8.21	8.33	5,495.57	0.12
CW 11+15	4/27/2021	5,503.95	12.34	6.00	6.03	5,497.94	0.03
	8/17/2021	5,503.95	12.34	6.00	6.04	5,497.94	0.04
	4/11/2022	5,503.95	12.34	5.98	6.00	5,497.97	0.02
	8/1/2022	5,503.95	12.34	6.14	6.16	5,497.81	0.02
	4/24/2023	Well Destroyed					
	4/16/2024	Well Destroyed					
	8/5/2024	Well Destroyed					

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CW 14+10	4/27/2021	5,504.39	12.99	NPP	6.59	5,497.80	NPP
	8/17/2021	5,504.39	12.99	NPP	6.61	5,497.78	NPP
	4/11/2022	5,504.39	12.99	NPP	6.51	5,497.88	NPP
	8/1/2022	5,504.39	12.99	NPP	6.50	5,497.89	NPP
	4/24/2023	5,504.39	13.06	NPP	6.45	5,497.94	NPP
	8/9/2023	5,504.39	13.06	NPP	6.45	5,497.94	NPP
	4/16/2024	5,504.39	13.06	NPP	6.62	5,497.77	NPP
	8/5/2024	5,504.39	13.06	NPP	6.54	5,497.85	NPP
CW 16+60	4/27/2021	5,504.32	12.97	NPP	6.42	5,497.90	NPP
	8/17/2021	5,504.32	12.97	NPP	6.35	5,497.97	NPP
	4/11/2022	5,504.32	12.97	NPP	6.33	5,497.99	NPP
	8/1/2022	5,504.32	12.97	NPP	6.26	5,498.06	NPP
	4/24/2023	5,504.32	12.88	NPP	6.28	5,498.04	NPP
	8/9/2023	5,504.32	12.88	NPP	6.26	5,498.06	NPP
	4/16/2024	5,504.32	12.88	NPP	6.45	5,497.87	NPP
	8/5/2024	5,504.32	12.88	NPP	6.32	5,498.00	NPP
CW 19+50	4/27/2021	5,504.52	10.04	NPP	6.33	5,498.19	NPP
	8/17/2021	5,504.52	10.04	NPP	6.31	5,498.21	NPP
	4/11/2022	5,504.52	10.04	NPP	6.30	5,498.22	NPP
	8/1/2022	5,504.52	10.04	NPP	6.30	5,498.22	NPP
	4/24/2023	5,504.52	10.04	NPP	6.26	5,498.26	NPP
	8/9/2023	5,504.52	10.04	NPP	6.28	5,498.24	NPP
	4/16/2024	5,504.52	10.04	NPP	6.44	5,498.08	NPP
	8/5/2024	5,504.52	10.04	NPP	6.28	5,498.24	NPP
CW 22+00	4/27/2021	5,508.04	12.40	NPP	8.89	5,499.15	NPP
	8/17/2021	5,508.04	12.40	NPP	13.38	5,494.66	NPP
	4/11/2022	5,508.04	12.40	NPP	9.20	5,498.84	NPP
	8/1/2022	5,508.04	12.40	NPP	9.05	5,498.99	NPP
	4/24/2023	5,508.04	12.40	NPP	9.27	5,498.77	NPP
	8/9/2023	5,508.04	12.40	NPP	13.54	5,494.50	NPP
	4/16/2024	5,508.04	12.40	NPP	9.53	5,498.51	NPP
	8/5/2024	5,508.04	12.40	NPP	8.39	5,499.65	NPP
CW 23+10	4/27/2021	5,510.04	14.72	NPP	10.50	5,499.54	NPP
	8/17/2021	5,510.04	14.72	NPP	10.45	5,499.59	NPP
	4/11/2022	5,510.04	14.72	NPP	11.86	5,498.18	NPP
	8/1/2022	5,510.04	14.72	NPP	10.65	5,499.39	NPP
	4/24/2023	5,510.04	14.83	NPP	10.96	5,499.08	NPP
	8/9/2023	5,510.04	14.83	NPP	17.07	5,492.97	NPP
	4/16/2024	5,510.04	14.83	NPP	11.20	5,498.84	NPP
	8/5/2024	5,510.04	14.83	NPP	9.30	5,500.74	NPP
CW 23+90	4/27/2021	5,507.32	11.81	NPP	7.92	5,499.40	NPP
	8/17/2021	5,507.32	11.81	NPP	7.64	5,499.68	NPP
	4/11/2022	5,507.32	11.81	NPP	8.20	5,499.12	NPP
	8/1/2022	5,507.32	11.81	NPP	8.01	5,499.31	NPP
	4/24/2023	5,507.32	11.75	NPP	8.25	5,499.07	NPP
	8/9/2023	5,507.32	11.75	NPP	8.40	5,498.92	NPP
	4/16/2024	5,507.32	11.75	NPP	8.51	5,498.81	NPP
	8/5/2024	5,507.32	11.75	NPP	6.13	5,501.19	NPP

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CW 25+95	4/27/2021	5,505.90	12.35	NPP	8.15	5,497.75	NPP
	8/17/2021	5,505.90	12.35	NPP	8.14	5,497.76	NPP
	4/11/2022	5,505.90	12.15	NPP	8.51	5,497.39	NPP
	8/1/2022	5,505.90	12.15	NPP	8.40	5,497.50	NPP
	4/24/2023	5,505.90	12.04	NPP	8.55	5,497.35	NPP
	8/9/2023	5,505.90	12.04	NPP	8.68	5,497.22	NPP
	4/16/2024	5,505.90	12.04	NPP	8.69	5,497.21	NPP
	8/13/2024	5,505.90	12.04	NPP	5.73	5,500.17	NPP
SW1-0206	4/27/2021	5,508.27	53.15	NPP	52.59	5,455.68	NPP
	8/17/2021	5,508.27	53.15	NPP	52.46	5,455.81	NPP
	4/11/2022	5,508.27	53.15	NPP	52.38	5,455.89	NPP
	8/1/2022	5,508.27	53.15	NPP	52.38	5,455.89	NPP
	4/24/2023	5,508.27	53.07	NPP	52.18	5,456.09	NPP
	8/9/2023	5,508.27	53.07	NPP	52.25	5,456.02	NPP
	4/16/2024	Not on Plan					
	8/5/2024	Not on Plan					
SW2-0206	4/27/2021	5,508.27	27.78	NPP	27.78	5,480.49	NPP
	8/17/2021	5,508.27	27.78	NPP	25.40	5,482.87	NPP
	4/11/2022	5,508.27	27.78	NPP	25.31	5,482.96	NPP
	8/1/2022	5,508.27	27.78	NPP	25.55	5,482.72	NPP
	4/24/2023	5,508.27	27.70	NPP	25.46	5,482.81	NPP
	8/9/2023	5,508.27	27.70	NPP	25.68	5,482.59	NPP
	4/16/2024	Not on Plan					
	8/5/2024	Not on Plan					
SW3-0206	4/27/2021	5,505.29	52.64	NPP	27.01	5,478.28	NPP
	8/17/2021	5,505.29	52.64	NPP	27.23	5,478.06	NPP
	4/11/2022	5,505.29	52.64	NPP	26.98	5,478.31	NPP
	8/1/2022	5,505.29	52.64	NPP	27.15	5,478.14	NPP
	4/24/2023	5,505.29	52.55	NPP	27.01	5,478.28	NPP
	8/9/2023	5,505.29	52.55	NPP	27.52	5,477.77	NPP
	4/16/2024	Not on Plan					
	8/5/2024	Not on Plan					
SW4-0206	4/27/2021	5,504.45	42.40	NPP	33.22	5,471.23	NPP
	8/17/2021	5,504.45	42.40	NPP	33.76	5,470.69	NPP
	4/11/2022	5,504.45	42.40	NPP	NWP	NWP	NPP
	8/1/2022	5,504.45	42.40	NPP	33.82	5,470.63	NPP
	4/24/2023	5,504.45	42.33	NPP	33.53	5,470.92	NPP
	8/9/2023	5,504.45	42.33	NPP	34.96	5,469.49	NPP
	4/16/2024	Not on Plan					
	8/5/2024	Not on Plan					
SW5-0206	4/27/2021	5,514.34	52.33	NPP	33.89	5,480.45	NPP
	8/17/2021	5,514.34	52.33	NPP	34.52	5,479.82	NPP
	4/11/2022	5,514.34	52.33	NPP	33.86	5,480.48	NPP
	8/1/2022	5,514.34	52.33	NPP	34.24	5,480.10	NPP
	4/24/2023	5,514.34	52.25	NPP	33.50	5,480.84	NPP
	8/9/2023	5,514.34	52.25	NPP	34.34	5,480.00	NPP
	4/16/2024	Not on Plan					
	8/5/2024	Not on Plan					

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SW6-0206	4/27/2021	5,519.72	47.48	NPP	39.60	5,480.12	NPP
	8/17/2021	5,519.72	47.48	NPP	41.15	5,478.57	NPP
	4/11/2022	5,519.72	47.48	NPP	40.85	5,478.87	NPP
	8/1/2022	5,519.72	47.48	NPP	41.21	5,478.51	NPP
	4/24/2023	5,519.72	42.25	NPP	39.99	5,479.73	NPP
	8/9/2023	5,519.72	42.25	NPP	41.28	5,478.44	NPP
	4/16/2024	Not on Plan					
	8/5/2024	Not on Plan					
SW7-0206	4/27/2021	5,517.63	32.12	NPP	20.93	5,496.70	NPP
	8/17/2021	5,517.63	32.13	NPP	21.02	5,496.61	NPP
	4/11/2022	5,517.63	32.12	NM	NM	NM	NM
	8/1/2022	5,517.63	32.13	NPP	21.41	5,496.22	NPP
	4/24/2023	5,517.63	31.97	NPP	21.06	5,496.57	NPP
	8/9/2023	5,517.63	31.97	NPP	21.55	5,496.08	NPP
	4/16/2024	Not on Plan					
	8/5/2024	Not on Plan					
MP-1	4/26/2021	5,526.34	29.84	26.14	26.86	5,500.06	0.72
	8/16/2021	5,526.34	29.84	26.21	27.04	5,499.96	0.83
	4/11/2022	5,526.34	29.84	26.25	27.11	5,499.92	0.86
	8/1/2022	5,526.34	29.84	26.33	27.27	5,499.82	0.94
	4/16/2024	5,526.34	29.84	26.53	27.58	5,499.60	1.05
	8/5/2024	5,526.34	29.84	NPP	27.04	5,499.30	NPP
MP-2	4/26/2021	5,526.34	29.75	26.96	27.06	5,499.36	0.10
	8/16/2021	5,526.34	29.75	27.15	27.21	5,499.18	0.06
	4/11/2022	5,526.34	29.75	27.02	27.22	5,499.28	0.20
	8/1/2022	5,526.34	29.75	27.28	27.32	5,499.05	0.04
	4/16/2024	5,526.34	29.75	27.53	27.60	5,498.80	0.07
	8/5/2024	5,526.34	29.75	NPP	27.35	5,498.99	NPP
MP-3	4/26/2021	5,528.75	30.68	NPP	21.24	5,507.51	NPP
	8/16/2021	5,528.75	30.68	28.31	28.66	5,500.37	0.35
	4/11/2022	5,528.75	30.68	28.41	28.82	5,500.26	0.41
	8/1/2022	5,528.75	30.68	28.51	29.15	5,500.11	0.64
	4/16/2024	5,528.75	30.68	28.57	29.90	5,499.91	1.33
	8/5/2024	5,528.75	30.68	28.50	28.88	5,500.17	0.38
MP-4	4/26/2021	5,528.75	32.98	27.65	28.09	5,501.01	0.44
	8/16/2021	5,528.75	32.98	28.15	29.45	5,500.34	1.30
	4/11/2022	5,528.75	32.98	28.25	29.52	5,500.25	1.27
	8/1/2022	5,528.75	32.98	28.38	29.77	5,500.09	1.39
	4/16/2024	5,528.75	32.98	28.54	30.06	5,499.91	1.52
	8/5/2024	5,528.75	32.98	28.33	29.58	5,500.17	1.25
MP-5	4/26/2021	5,528.75	31.67	NPP	27.71	5,501.04	NPP
	8/16/2021	5,528.75	31.67	27.80	28.70	5,500.77	0.90
	4/11/2022	5,528.75	31.67	27.88	28.90	5,500.67	1.02
	8/1/2022	5,528.75	31.67	27.98	29.10	5,500.55	1.12
	4/16/2024	5,528.75	31.67	28.18	29.14	5,500.38	0.96
	8/5/2024	5,528.75	31.67	27.96	28.89	5,500.60	0.93

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TABLE 1
FLUID LEVELS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Well ID	Date	Measuring Point Elevation *(ft AMSL)*	Total Well Depth *(ft Below TOC)*	Depth To Product *(ft Below TOC)*	Depth To Water *(ft Below TOC)*	Corrected Groundwater Elevation *(ft AMSL)*	SPH Thickness *(ft)*
AS-1	4/27/2021	5,526.34	29.41	NPP	26.19	5,500.15	NPP
	8/16/2021	5,526.34	29.41	NPP	26.26	5,500.08	NPP
	4/11/2022	5,526.34	29.41	NPP	26.28	5,500.06	NPP
	8/1/2022	5,526.34	29.41	NPP	26.35	5,499.99	NPP
	4/16/2024	5,526.34	29.41	NPP	26.58	5,499.76	NPP
	8/5/2024	5,526.34	29.41	NPP	26.44	5,499.90	NPP
VEW-1S	4/27/2021	5,526.34	12.82	NPP	NWP	NWP	NPP
	8/16/2021	5,526.34	12.82	NPP	NWP	NWP	NPP
	4/11/2022	5,526.34	12.82	NPP	NWP	NWP	NPP
	8/1/2022	5,526.34	12.82	NPP	NWP	NWP	NPP
	4/16/2024	5,526.34	12.82	NPP	NWP	NWP	NPP
	8/5/2024	5,526.34	12.82	NPP	NWP	NWP	NPP
VEW-1D	4/27/2021	5,526.34	25.82	NPP	NWP	NWP	NPP
	8/16/2021	5,526.34	25.82	NPP	NWP	NWP	NPP
	4/11/2022	5,526.34	25.82	NPP	NWP	NWP	NPP
	8/1/2022	5,526.34	25.82	NPP	NWP	NWP	NPP
	4/16/2024	5,526.34	25.82	NPP	NWP	NWP	NPP
	8/5/2024	5,526.34	25.82	NPP	NWP	NWP	NPP

Notes:

= Wells Gauged During Quarterly Gauging Event

Red = Product Detected During Gauging Event

MW = Monitor Well
RW = Recovery Well
OW = Observation Well
CW = Collection Well
*SW = Well Sampled During Significant Rain Events Only
BCK = Background Well
MP = Monitor Point
AS = Air Sparge
VEW = Vapor Extraction Well
ft = Feet
AMSL = Above Mean Sea Level
NPP = No Product Present
NWP = No Water Present
SPH = Separate Phase Hydrocarbon
NM = Not Measured
TOC = Top of Casing

ENSOLUM

TABLE 2
FIELD PARAMETERS SUMMARY
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
MW-4	8/16/2021	19.42	7.32	2.92	-71.0	0.00	2,150
	8/3/2022	26.00	6.50	2.97	-186.0	0.00	2,060^
	8/9/2023	FPP - Could Not Sample					
	8/7/2024	Sample Obtained But Insufficient Water to Collect Parameters					
MW-8	4/27/2023	16.00	7.40	1.49	99.0	7.48	1,958
	8/7/2024	Sample Obtained But Insufficient Water to Collect Parameters					
MW-20	8/23/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Sheen Observed - Could Not Sample					
	8/2/2022	Sheen Observed - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	4/16/2024	FPP - Could Not Sample					
	8/9/2024	FPP - Could Not Sample					
MW-21	8/20/2021	19.23	6.67	2.51	-146.0	0.89	1,870
	8/4/2022	20.65	5.72	3.88	-255.0	0.43	NS
	8/9/2023	FPP - Could Not Sample					
	8/9/2024	FPP - Could Not Sample					
MW-29	8/20/2021	17.54	5.56	0.88	137.0	0.00	679
	8/2/2022	24.53	6.73	3.11	74.0	0.00	2,160^
	8/10/2023	16.48	7.12	2.66	-22.7	3.07	1,730
	8/12/2024	17.70	7.06	3.48	13.1	7.52	2,618
MW-30	4/28/2021	NS	NS	NS	NS	NS	NS
	8/19/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Sheen Observed - Could Not Sample					
	8/2/2022	Sheen Observed - Could Not Sample					
	4/27/2023	17.10	6.90	2.96	-296.0	3.46	1,934
	8/11/2023	17.93	7.10	1.89	-366.2	0.00	1,240
	4/17/2024	17.51	7.12	3.05	-257.9	0.00	1,980
	8/12/2024	FPP - Could Not Sample					
MW-31	8/24/2021	19.41	6.81	2.09	-219.0	0.59	1,610
	8/2/2022	20.88	5.52	2.21	-180.0	0.00	1,760^
	8/22/2023	21.60	7.32	2.52	-252.9	0.00	1,638
	8/26/2024	18.20	7.61	2.11	-197.3	6.13	1,572
MW-40	8/18/2021	21.45	6.15	2.36	-70.0	0.50	1,740
	8/1/2022	FPP - Could Not Sample					
	8/11/2023	Insufficient Water to Collect Readings					
	8/8/2024	Sample Obtained But Insufficient Water to Collect Parameters					
MW-44	8/19/2021	18.31	7.09	5.20	108.0	1.91	5,000
	8/1/2022	18.75	7.00	5.24	50.0	0.00	4,860^
	8/11/2023	17.17	7.22	3.51	-23.7	2.66	2,290
	8/12/2024	17.60	7.16	4.76	-18.4	7.37	3,601
MW-52	4/28/2021	15.20	6.16	3.51	-32.0	3.51	2,870
	8/18/2021	19.96	5.43	4.29	105.0	0.36	3,180
	4/13/2022	13.91	6.78	5.00	99.0	5.98	3,780^
	8/2/2022	21.69	6.25	5.32	168.0	0.00	4,190^
	4/27/2023	15.70	6.63	4.68	141.3	6.42	3,045
	8/17/2023	16.63	6.80	2.75	104.1	0.48	2,170
	8/12/2024	16.40	6.62	3.88	11.6	42.6	3,016

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TABLE 2
FIELD PARAMETERS SUMMARY
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
RW-1	8/18/2021	23.33	5.99	2.12	-99.0	1.38	1,510
	8/1/2022	26.52	6.58	3.57	-149.0	0.00	NS
	8/9/2023	19.22	7.21	2.32	-318.6	0.00	1,610
	8/8/2024	Sheen Observed - Could Not Sample					
RW-9	8/18/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/10/2023	16.17	7.16	2.84	-246.1	0.00	1,840
	8/5/2024	Sheen Observed - Could Not Sample					
RW-15	8/19/2021	17.72	7.40	3.04	-66.0	0.61	2,130
	8/1/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
RW-18	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Well Cannot be Accessed					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	Well Cannot be Accessed					
RW-23	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/9/2023	16.11	7.17	1.87	-198.6	1.74	1,210
	8/5/2024	Sheen Observed - Could Not Sample					
RW-28	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
RW-42	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Pump Running in Well - Not Able to Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
RW-43	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-1	4/28/2021	16.57	6.39	0.64	53.0	9.45	435
	8/16/2021	18.14	7.58	0.67	13.0	2.30	516
	4/13/2022	12.19	6.96	0.80	-63.0	4.58	440^
	8/4/2022	17.48	5.49	0.81	-82.0	0.00	546^
	4/27/2023	13.20	7.24	0.89	2.1	8.71	574
	8/11/2023	17.43	7.41	0.54	5.3	2.83	360
	4/17/2024	Insufficient Water to Collect Readings					
	8/7/2024	Insufficient Water to Collect Readings					
MW-13	4/28/2021	16.89	6.25	2.74	7.0	3.99	2,090
	8/23/2021	21.01	7.15	3.39	3.0	2.27	2,650
	4/13/2022	15.11	6.72	2.89	23.0	6.35	2,040^
	8/5/2022	19.25	6.23	3.11	-57.0	0.00	2,470^
	4/28/2023	17.00	7.01	2.82	81.2	4.08	1,828
	8/24/2023	17.50	7.41	1.91	145.3	3.50	1,250
	4/18/2024	17.58	7.22	2.75	21.8	0.07	1,830
	8/13/2024	24.60	7.26	3.25	-24.0	3.24	2,136

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FIELD PARAMETERS SUMMARY
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San Juan County, New Mexico

Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
MW-26	8/17/2021	22.26	6.44	2.54	-88.0	0.00	1,830
	8/9/2022	19.01	6.31	2.94	-130.0	0.00	1,870^
	8/24/2023	17.71	7.28	1.94	-131.8	1.69	1,260
	8/26/2024	17.70	7.13	2.42	-85.6	6.62	1,824
MW-27	8/23/2021	21.80	6.71	5.93	79.0	6.40	6,810
	8/9/2022	20.21	6.50	7.12	-49.0	0.00	6,460^
	8/24/2023	16.60	7.23	5.07	24.3	4.33	3,300
	8/8/2024	Insufficient Water to Collect Readings					
MW-32	8/23/2021	19.84	7.26	4.45	82.0	5.02	3,880
	8/9/2022	24.40	7.18	5.14	32.0	6.15	4,170^
	8/24/2023	17.58	7.81	3.39	-3.7	1.61	2,210
	8/14/2024	16.60	7.97	4.41	-8.3	5.76	3,465
MW-33	4/28/2021	17.03	6.92	3.83	43.0	8.93	3,670
	8/23/2021	23.13	5.64	3.70	160.0	5.85	3,530
	4/12/2022	Sample Obtained But Insufficient Water to Collect Parameters					3,600^
	8/4/2022	Sample Obtained But Insufficient Water to Collect Parameters					3,580^
	4/28/2023	16.00	7.94	3.96	38.2	15.15	2,543
	8/24/2023	18.29	7.89	2.83	30.9	6.55	1,840
	4/18/2024	16.76	8.38	4.24	1.3	7.10	2,750
	8/8/2024	Sample Obtained But Insufficient Water to Collect Parameters					
MW-11	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Could Not Sample - Wasp Nest In Well					
	8/23/2023	16.59	7.45	1.96	-139.6	2.33	1,270
	8/14/2024	17.40	7.09	2.54	-90.9	0.02	1,926
MW-12	4/28/2021	13.82	6.66	0.67	38.0	3.62	540
	8/17/2021	20.87	6.76	0.31	95.0	2.15	NS
	4/12/2022	10.09	6.83	0.94	126.0	6.03	587^
	8/4/2022	17.96	6.18	0.39	-12.0	0.00	264^
	8/9/2023	Well Dry - Could Not Sample					
	4/18/2024	17.22	7.21	1.68	-44.4	0.73	1,061
	8/6/2024	Well Dry - Could Not Sample					
MW-34	8/17/2021	19.01	6.88	2.59	-93.0	0.82	NS
	8/9/2022	17.91	6.54	3.09	-161.0	0.00	2,200^
	8/9/2023	Well Dry - Could Not Sample					
	8/26/2024	Well Dry - Could Not Sample					
MW-35	4/28/2021	16.27	6.45	2.15	-123.0	8.40	1,460
	8/21/2021	18.27	7.00	2.37	-104.0	2.20	1,820
	4/11/2022	Well Dry - Could Not Sample					
	8/9/2022	18.40	6.17	3.16	-166.0	0.00	2,020^
	4/28/2023	Insufficient Water to Collect Sample					
	8/25/2023	17.66	7.59	1.54	-151.4	1.14	1,010
	4/22/2024	15.25	7.48	3.48	-98.4	2.76	2,260
	8/6/2024	Well Dry - Could Not Sample					
MW-37	4/28/2021	16.72	6.66	3.08	-11.0	1.14	2,800
	8/21/2021	16.98	7.12	3.38	-49.0	3.88	3,090
	4/12/2022	13.39	7.27	4.10	19.0	6.55	3,320^
	8/4/2022	22.65	7.13	3.82	-59.0	0.00	3,620^
	4/28/2023	15.00	7.33	4.26	18.2	7.38	2,781
	8/24/2023	17.30	7.40	1.93	-113.10	2.73	NA

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TABLE 2
FIELD PARAMETERS SUMMARY
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
MW-37	4/22/2024	17.39	7.47	4.23	8.70	0.07	2,750
	8/26/2024	16.00	7.56	2.451	-81.40	4.75	1,924
MW-38	4/28/2021	16.19	6.68	1.12	-6.0	0.25	755
	8/23/2021	20.88	7.64	1.35	-30.0	1.97	963
	4/12/2022	Insufficient Water to Collect Sample					
	8/9/2022	21.40	6.41	1.55	-131.0	0.00	909^
	4/28/2023	15.00	7.22	1.68	-47.8	4.33	1,092
	8/24/2023	17.30	7.39	2.02	-119.0	3.27	1,317
	4/22/2024	17.13	7.45	2.63	-22.1	3.48	1,690
	8/13/2024	Insufficient Water to Collect Sample					
MW-50	8/16/2021	NS	NS	NS	NS	NS	NS
	8/3/2022	NS	NS	NS	NS	NS	NS
	8/11/2023	18.89	7.54	0.55	-95.3	0.02	360
	8/8/2024	17.99	7.51	0.48	19.1	0.09	356
MW-51	8/16/2021	19.39	7.64	0.53	70.0	0.51	372
	8/3/2022	19.75	6.82	0.66	142.0	0.00	428^
	8/11/2023	18.07	7.51	0.51	1.0	0.00	330
	8/8/2024	20.34	7.51	0.28	86.7	2.15	201
MW-53	8/18/2021	23.32	6.74	4.80	122.0	1.81	3,560
	8/2/2022	19.07	6.81	5.04	142.0	0.00	3,560^
	8/17/2023	17.01	7.44	3.39	92.4	3.54	2,210
	8/12/2024	17.66	7.51	2.80	120.8	3.22	2,117
MW-54	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/10/2023	19.23	7.15	2.77	-232.8	0.02	1,800
	8/8/2024	Sheen Observed - Could Not Sample					
MW-55	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-56	8/16/2021	21.29	7.82	2.39	-75.0	1.55	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-57	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/8/2024	FPP - Could Not Sample					
MW-58	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-59	8/24/2021	19.04	6.29	3.19	133.0	2.19	2,380
	8/2/2022	19.42	5.14	3.83	5.0	0.00	3,100^
	8/22/2023	20.60	6.97	4.70	121.1	0.01	3,053
	8/9/2024	17.90	7.03	3.57	115.8	3.22	2,658
MW-60	8/23/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Insufficient Water to Collect Sample					
	8/9/2023	Well Unable to be Located					
	8/5/2024	Well Unable to be Located					

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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
MW-61	8/24/2021	20.12	6.65	3.11	-118.0	1.52	2,550
	8/2/2022	Well Could Not Be Accessed					
	8/9/2023	Well Abandoned					
	8/5/2024	Well Could Not Be Accessed					
MW-62	8/23/2021	19.41	6.90	6.70	107.0	2.53	5,920
	8/4/2022	20.06	6.85	6.22	50.0	0.00	6,010^
	8/24/2023	18.40	7.03	6.77	-5.3	0.98	4,398
	8/14/2024	17.70	7.03	5.87	49.8	0.03	4,431
MW-63	8/24/2021	20.09	6.59	4.37	45.0	1.41	4,680
	8/2/2022	21.12	6.18	2.31	-90.0	0.21	NM
	8/22/2023	23.00	7.23	4.52	63.9	0.01	2,936
	8/9/2024	19.20	7.01	3.40	134.1	0.04	2,484
MW-64	8/24/2021	19.47	6.14	4.41	153.0	7.05	3,560
	8/2/2022	27.71	6.45	4.28	10.0	0.35	3,540^
	8/22/2023	19.80	7.41	4.79	181.0	2.07	3,115
	8/8/2024	Insufficient Water to Collect Sample					
MW-65	8/16/2021	Well presumed to be destroyed					
	8/22/2023	19.60	7.12	3.06	-103.8	0.77	1,993
	8/9/2024	18.40	7.00	2.85	-102.8	2.27	2,098
MW-66	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/6/2024	FPP - Could Not Sample					
MW-67	8/20/2021	17.21	6.45	2.50	195.0	2.14	909
	8/4/2022	25.52	6.05	1.91	-63.0	0.00	1,200^
	8/17/2023	16.42	7.50	1.77	82.4	2.85	1,150
	8/9/2024	15.62	7.70	0.67	110.1	5.92	527
MW-68	8/19/2021	19.51	7.98	0.74	87.0	2.41	520
	8/3/2022	20.03	6.67	1.37	63.0	0.00	724^
	8/17/2023	17.64	7.14	1.96	37.8	2.90	1,260
	8/9/2024	18.91	7.13	0.81	63.8	2.03	592
MW-69	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Well Dry - Could Not Sample					
	8/10/2023	Well Dry - Could Not Sample					
	8/5/2024	Well Dry - Could Not Sample					
MW-70	8/18/2021	26.40	6.41	4.38	-22.7	9.23	4,340
	8/2/2022	25.03	6.03	4.99	-83.0	0.40	NS
	8/17/2023	Insufficient Water to Collect Sample					
	8/9/2024	Insufficient Water to Collect Sample					
MW-71	8/1/2022	FPP - Could Not Sample					
	8/17/2023	17.36	7.17	1.43	-132.7	0.00	930
	8/9/2024	FPP - Could Not Sample					
MW-72	8/1/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-73	8/19/2021	18.25	5.63	1.75	-66.0	0.00	1,470
	8/1/2022	19.47	6.80	2.02	-148.0	0.00	1,500^
	8/8/2023	FPP - Could Not Sample					
	8/8/2024	FPP - Could Not Sample					

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TABLE 2
FIELD PARAMETERS SUMMARY
Bloomfield Terminal 2024 Annual Report
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San Juan County, New Mexico

Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
MW-74	8/19/2021	19.88	5.95	2.39	-71.0	0.27	1,710
	8/1/2022	21.42	6.85	3.05	-186.0	0.00	NS
	8/17/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-75	8/18/2021	24.42	6.26	2.25	-78.0	2.09	1,790
	8/1/2022	Sheen Observed - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-76	8/18/2021	20.19	6.10	1.50	-74.0	0.00	1,100
	8/1/2022	18.76	6.54	1.76	-127.0	0.00	1,070^
	8/24/2023	19.40	6.84	1.58	-119.6	0.00	1,027
	8/5/2024	FPP - Could Not Sample					
MW-77	8/3/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-78	8/3/2022	20.98	6.14	3.03	85.0	0.00	2,160^
	8/17/2023	Insufficient Water to Collect Sample					
	8/7/2024	Sample Obtained But Insufficient Water to Collect Parameters					
CW 0+60	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					1,200
	8/19/2021	21.14	6.28	1.71	-115.0	1.20	1,480
	4/13/2022	11.40	6.39	1.94	-100.0	8.45	1,230^
	8/4/2022	19.74	5.55	1.68	-63.0	0.00	1,060^
	5/10/2023	Sample Obtained But Insufficient Water to Collect Parameters					
	8/9/2023	Not Sampled					
	4/22/2024	14.23	6.88	1.75	-67.8	0.02	1,160
	8/27/2024	21.10	6.71	1.75	142.7	0.18	1,232
CW 25+95	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					670
	8/19/2021	21.19	7.05	1.26	-139.0	2.39	970
	4/13/2022	12.14	7.21	2.76	-80.0	1.11	2,010^
	8/3/2022	22.35	5.72	3.43	-62.0	0.00	2,850^
	4/27/2023	12.20	6.93	2.72	-6.7	7.35	1,767
	8/10/2023	Insufficient Water to Collect Readings					
	4/18/2024	16.61	7.16	3.02	-67.1	2.79	1,970
	8/13/2024	23.30	7.30	0.63	-26.7	0.88	422
OW 0+60	8/17/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Insufficient Water to Collect Sample					
	8/4/2022	20.61	5.85	1.69	7.0	0.00	1,140^
	4/24/2023	Insufficient Water to Collect Sample					
	8/9/2023	Insufficient Water to Collect Sample					
	4/15/2024	Well Dry - Could Not Sample					
	8/8/2024	Insufficient Water to Collect Sample					
OW 1+50	8/17/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Insufficient Water to Collect Sample					
	8/4/2022	Insufficient Water to Collect Sample					
	8/9/2023	Insufficient Water to Collect Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/5/2024	Well Dry - Could Not Sample					

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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
OW 3+85	8/17/2021	NS	NS	NS	NS	NS	NS
	4/13/2022	Sheen Observed - Could Not Sample					
	8/4/2022	Sheen Observed - Could Not Sample					
	4/26/2023	12.90	7.25	3.12	-231.4	2.11	1,640
	8/10/2023	Insufficient Water to Collect Readings					
	4/17/2024	14.74	7.40	3.40	-276.1	1.71	2,210
	8/12/2024	Insufficient Water to Collect Readings					
OW 5+50	8/17/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Well Dry - Could Not Sample					
	8/4/2022	Well Dry - Could Not Sample					
	4/24/2023	Insufficient Water to Collect Sample					
	8/9/2023	Insufficient Water to Collect Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/7/2024	Insuffient Water to Collect Sample					
OW 6+70	8/17/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Insufficient Water to Collect Sample					
	8/4/2022	Well Dry - Could Not Sample					
	4/24/2023	Well Dry - Could Not Sample					
	8/9/2023	Well Dry - Could Not Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/5/2024	Well Dry - Could Not Sample					
OW 8+10	8/17/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Well Dry - Could Not Sample					
	8/4/2022	Well Dry - Could Not Sample					
	4/26/2023	14.57	7.38	2.43	97.0	5.47	1,590
	8/9/2023	Unable to Access - Well Locked					
	4/16/2024	Well Dry - Could Not Sample					
	8/7/2024	Well Dry - Could Not Sample					
OW 11+15	8/19/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Sheen Observed - Could Not Sample					
	8/4/2022	19.40	5.53	2.07	-83.0	0.00	NS
	4/26/2023	13.40	7.11	2.13	131.4	3.12	1,400
	8/24/2023	19.30	7.16	2.20	-145.3	0.16	1,438
	4/18/2024	15.03	7.09	1.51	-129.7	3.37	1,040
	8/12/2024	20.50	6.91	1.98	-3.0	3.53	1,407
OW 14+10	4/11/2022	Well Dry - Could Not Sample					
	8/4/2022	Well Dry - Could Not Sample					
	4/24/2023	Well Dry - Could Not Sample					
	8/9/2023	Well Dry - Could Not Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/5/2024	Well Dry - Could Not Sample					
OW 16+60	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					3,160
	8/19/2021	NS	NS	NS	NS	NS	NS
	4/13/2022	14.52	7.70	4.57	-76.0	9.82	NS
	8/4/2022	20.66	5.75	4.19	-119.0	0.00	4,000^
	4/26/2023	14.50	7.19	4.79	-239.8	5.72	2,450
	8/10/2023	Insufficient Water to Collect Readings					
	8/10/2023	18.23	7.52	4.30	-208.3	2.25	2,800
	8/13/2024	Sample Obtained But Insufficient Water to Collect Parameters					

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TABLE 2
FIELD PARAMETERS SUMMARY
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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
OW 19+50	8/17/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Well Dry - Could Not Sample					
	8/4/2022	Well Dry - Could Not Sample					
	4/26/2023	Insufficient Water to Collect Sample					
	8/9/2023	Insufficient Water to Collect Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/5/2024	Well Dry - Could Not Sample					
OW 22+00	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					1,300
	8/19/2021	NS	NS	NS	NS	NS	NS
	4/13/2022	12.25	7.73	1.18	-7.0	6.53	825^
	8/3/2022	22.57	8.13	2.47	-151.0	9.83	2,030^
	4/26/2023	12.70	7.81	1.03	97.9	4.42	650
	8/9/2023	Insufficient Water to Collect Sample					
	4/17/2024	18.36	7.47	4.01	-123.6	2.13	2,610
	8/7/2024	Insufficient Water to Collect Sample					
OW 23+10	8/19/2021	NS	NS	NS	NS	NS	NS
	4/13/2022	Insufficient Water to Collect Sample					
	8/3/2022	24.17	8.02	1.67	-253.0	10.49	NS
	4/26/2023	14.50	7.54	2.39	-62.1	1.18	1,040
	8/10/2023	Insufficient Water to Collect Readings					
	4/17/2024	17.84	7.52	3.98	-62.1	1.63	2,590
	8/7/2024	Insufficient Water to Collect Readings					
OW 23+90	8/19/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Well Dry - Could Not Sample					
	8/4/2022	Well Dry - Could Not Sample					
	4/26/2023	Insufficient Water to Collect Sample					
	8/9/2023	Insufficient Water to Collect Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/7/2024	Well Dry - Could Not Sample					
OW 25+70	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					632
	8/19/2021	21.50	7.21	1.02	-107.0	2.81	755
	4/13/2022	13.20	7.08	1.85	-76.0	8.68	1,370^
	8/3/2022	21.82	8.60	2.51	-9.0	0.00	2,150^
	4/27/2023	13.30	6.87	2.24	12.1	9.86	1,450
	8/9/2023	Well Dry - Could Not Sample					
	4/18/2024	17.10	7.15	2.68	-64.3	3.47	1,740
	8/7/2024	Insufficient Water to Collect Parameters					
Outfall No. 2	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					620
	8/4/2022	NS	NS	NS	NS	NS	NS
	8/9/2023	Outfall Dry - Not Sampled					
	4/16/2024	Outfall Dry - Not Sampled					
	8/9/2024	Outfall Dry - Not Sampled					
**Outfall No. 3	8/16/2021	NS	NS	NS	NS	NS	NS
	8/4/2022	NS	NS	NS	NS	NS	NS
	8/9/2023	Outfall Dry - Not Sampled					
	4/16/2024	Outfall Dry - Not Sampled					
	8/9/2024	Outfall Dry - Not Sampled					
**Seep 1	8/24/2023	Seep Dry - Not Sampled					
	4/16/2024	Seep Dry - Not Sampled					
	8/9/2024	Seep Dry - Not Sampled					

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TABLE 2
FIELD PARAMETERS SUMMARY
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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
**Seep 2	8/24/2023	Seep Dry - Not Sampled					
	4/16/2024	Seep Dry - Not Sampled					
	8/9/2024	Seep Dry - Not Sampled					
**Seep 3	8/24/2023	Seep Dry - Not Sampled					
	4/16/2024	Seep Dry - Not Sampled					
	8/9/2024	Seep Dry - Not Sampled					
**Seep 5	8/24/2023	Seep Dry - Not Sampled					
	4/16/2024	Seep Dry - Not Sampled					
	8/9/2024	Seep Dry - Not Sampled					
Jungle Seep	8/24/2023	16.23	7.07	1.43	-132.6	2.43	630
	8/14/2024	25.00	8.09	1.36	-5.4	NS	880
**Upstream	4/30/2021	11.79	6.56	0.24	112.0	11.24	NA
	8/25/2021	17.54	6.29	0.24	98.0	10.95	187
	4/14/2022	8.51	6.62	0.29	132.0	23.54	217^
	8/9/2022	30.47	7.67	0.54	6.0	10.21	440^
	4/28/2023	11.70	7.81	0.39	22.8	8.74	188
	8/9/2023	13.59	8.28	0.22	16.8	8.72	NA
	4/22/2024	19.00	8.49	0.39	-58.8	8.40	250
	8/15/2024	13.70	8.37	0.20	-83.6	8.80	169
**North of MW-45	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					175
	8/25/2021	15.88	5.94	0.33	139.0	11.71	202
	4/14/2022	9.43	7.08	0.28	118.0	17.01	220^
	8/3/2022	20.46	6.03	0.36	81.0	1.79	252^
	4/28/2023	11.70	7.78	0.39	21.8	17.06	1,850
	8/9/2023	15.96	8.41	0.22	40.6	8.02	NA
	4/22/2024	19.03	8.48	0.37	-59.1	8.40	230
	8/15/2024	14.00	8.13	0.20	-72.0	7.54	165
**North of MW-46	4/29/2021	9.66	5.53	0.33	154.0	7.71	194
	8/21/2021	19.21	8.29	0.24	70.0	7.18	188
	4/14/2022	8.30	6.46	0.31	151.0	20.01	226^
	8/4/2022	25.94	6.93	0.33	75.0	14.33	242^
	4/28/2023	11.80	8.02	0.38	39.2	8.76	192
	8/9/2023	15.08	8.41	0.22	32.8	7.89	NA
	4/22/2024	18.93	8.46	0.39	-56.3	8.36	210
	8/15/2024	15.10	8.19	0.21	-75.5	8.05	164
**Downstream	4/29/2021	9.34	6.16	0.38	119.0	7.66	294
	8/21/2021	20.31	8.61	0.28	45.0	6.94	192
	4/14/2022	9.06	6.10	0.50	200.0	23.86	271^
	8/4/2022	25.52	6.93	0.39	13.0	12.08	240^
	4/28/2023	11.80	8.00	0.36	34.2	8.81	188
	8/9/2023	16.00	8.40	0.22	52.5	7.92	NA
	4/22/2024	19.05	8.49	0.41	-57.6	8.42	260
	8/15/2024	16.90	8.15	0.22	-73.2	7.00	166
MW-3	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Well Dry - Could Not Sample					
	8/9/2023	Well Dry - Could Not Sample					
	8/7/2024	Well Dry - Could Not Sample					

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TABLE 2
FIELD PARAMETERS SUMMARY
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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
**MW-5	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Well Dry - Could Not Sample					
	8/9/2023	Well Dry - Could Not Sample					
	8/7/2024	Well Dry - Could Not Sample					
**MW-6	8/16/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Well Dry - Could Not Sample					
	8/2/2022	Well Dry - Could Not Sample					
	8/9/2023	Well Dry - Could Not Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/6/2024	Well Dry - Could Not Sample					
MW BCK1	11/8/2023	16.43	7.09	4.93	32.7	1.73	4,580
MW BCK2	11/8/2023	16.4	7.2	4.81	23.1	0.98	12,100

Notes:

°C = Degrees Celsius
ID = Identification
mg/L = Milligrams per Liter
mS/cm = Millisiemens per Centimeter
mV = Millivolt
NS = Not Sampled
NP = No Purge Parameters, Low Water Volume
* = Field Result was Confirmed with Field Notes
** = Discrete Sample Reading
^ = Result Obtained Through Laboratory Analysis
Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan
FPP = Free Product Present

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TABLE 3A
TERMINAL WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
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Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					EPA RSL Tap Water THQ = 0.1						
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	14,100	447	5.6	6.0	-	100	66	200	69
RW-1	8/18/2021	**240**	<5.0	**13**	**13**	**51**	**46**	**36**	**63**	<50	**5.8**	**20**	<5.0	<5.0	<15	**5.9**	<5.0	<5.0
	8/1/2022	Sheen Observed - Could Not Sample																
	8/10/2023	<2.0	<2.0	<2.0	<3.0	**7.0**	<8.0	<8.0	<4.0	<20	**11**	<2.0	<2.0	<2.0	<6.0	**5.3**	**3.5**	**2.4**
	8/8/2024	Sheen Observed - Could Not Sample																
MW-4	8/16/2021	**14**	<1.0	**3.3**	**15**	<1.0	**18**	**33**	**60**	<10	**22**	**12**	**5.2**	<1.0	<3.0	**23**	**4.0**	**1.1**
	8/3/2022	**7.7**	<1.0	**2.1**	**28**	**2.5**	**16**	**24**	**55**	**10**	**26**	**73**	**17**	**1.1**	**0.88**	**30**	**4.5**	**1.1**
	8/9/2023	FPP - Could Not Sample																
	8/7/2024	**98**	**4.4**	**220**	**820**	**1.5**	**89**	**360**	**610**	**14**	**81**	**1,700**	**380**	**40**	**34**	**89**	**35**	<0.24
MW-8	8/1/2022	Not on Plan																
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
RW-9	8/2/2022	Sheen Observed - Could Not Sample																
	8/10/2023	**2,100**	**6.2**	**150**	**220**	**820**	**41**	**23**	**95**	<50	**40**	**22**	**11**	<5.0	<15	**76**	**7.0**	<5.0
	8/9/2024	Sheen Observed - Could Not Sample																
RW-15	8/19/2021	**390**	**1**	**180**	**10**	**24**	**62**	**70**	**240**	<10	**62**	**500**	<1.0	<1.0	**14**	**230**	**12**	<1.0
	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
RW-18	8/1/2022	Well Could Not Be Accessed																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	Well Could Not Be Accessed																
MW-20	4/11/2022	Sheen Observed - Could Not Sample																
	8/1/2022	Sheen Observed - Could Not Sample																
	4/24/2023	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	4/16/2024	FPP - Could Not Sample																
	8/9/2024	FPP - Could Not Sample																
MW-21	8/20/2021	<5.0	<10	<10	<15	**20.00**	<40	<40	<20	<100	<10	<10	<10	<10	<30	<10	<10	<10
	8/1/2022	Sheen Observed - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/9/2024	Sheen Observed - Could Not Sample																
RW-23	8/2/2022	Sheen Observed - Could Not Sample																
	8/10/2023	**230**	<5.0	**54**	<7.5	**110**	**83**	**43**	**120**	<50	**96**	**17**	<5.0	<5.0	**23**	**260**	**17**	<5.0
	8/9/2024	Sheen Observed - Could Not Sample																
RW-28	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
MW-29	8/20/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**6.0 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**8.0 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/10/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/12/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-30	4/11/2022	Sheen Observed - Could Not Sample																
	8/2/2022	Sheen Observed - Could Not Sample																
	4/27/2023	**340**	**32**	**2,200**	**1,200**	<20	---	---	---	---	---	---	---	---	---	---	---	---
	8/11/2023	**450**	**90**	**1,600**	**1,200**	<20	**91**	<80	**140**	<200	**83**	**1,900**	<20	<20	<60	**360**	**21**	<20
	4/17/2024	**300**	**22**	**1,800**	**610**	<20	--	--	--	--	--	--	--	--	--	--	--	--
	8/12/2024	Sheen Observed - Could Not Sample																

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TABLE 3A
TERMINAL WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					EPA RSL Tap Water THQ = 0.1						
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	14,100	447	5.6	6.0	-	100	66	200	69
MW-31	8/24/2021	**35**	<1.0	**5.3**	<1.5	<1.0	<4.0	<4.0	**2.7**	<10	**30**	<1.0	<1.0	<1.0	<3.0	**94**	**12**	**1.1**
	8/2/2022	**33**	**0.48**	**4.7**	**1.5 J**	<1.0	**6.6**	**3.3**	**5.5**	**11**	**12**	**0.31**	<1.0	<1.0	**1.3**	**34**	**6.2**	**0.61 J**
	8/22/2023	**39**	<1.0	**6.1**	**4.9**	<1.0	<4.0	<4.0	**3.2**	<10	**7.9**	**1.90**	<1.0	<1.0	**<1.0**	**10**	**4.3**	<1.0
	8/26/2024	**16**	**0.62 J**	**2.4**	**6.6**	<0.39	<2.0	<2.0	**3.9**	<2.5	**5.6**	**1.20**	**0.20 J**	**0.20 J**	**0.44 J**	**7.0**	**4.3**	**0.89 J**
MW-40	8/18/2021	<1.0	<1.0	**1.1**	<1.5	**8.8**	**52**	**87**	**160**	<10	**82**	<1.0	<1.0	<1.0	<3.0	**90**	**9.3**	**1.8**
	8/1/2022	FPP - Could Not Sample																
	8/11/2023	<1.0	<1.0	<1.0	<3.0	**11**	**46**	**77**	**140**	<20	**66**	<2.0	<2.0	<2.0	<6.0	**66**	**7.1**	<2.0
	8/8/2024	<23	<25	<21	**39 J**	**40 J**	<200	<200	**170 J**	<250	**21 J**	**32 J**	**27 J**	<20	<13	**27 J**	**25 J**	<24
	8/8/2024	<11	<13	<11	**20 J**	**22 J**	<100	<100	**99 J**	<130	**24 J**	**13 J**	<9.1	<10	<6.3	**23 J**	**15 J**	**12 J**
RW-42	8/1/2022	Pump Running in Well - Not Able to Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
RW-43	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
MW-44	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0	<1.0	<1.0
	8/1/2022	<1.0	<1.0	<1.0	<1.5	**0.81 J**	<4.0	**0.80 J**	<2.0	**7.2 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0	<1.0	<1.0
	8/11/2023	**9.3**	**5.9**	**83**	**63**	**1.2**	<4.0	<4.0	**7.5**	<10	**3.4**	**55**	<1.0	<1.0	<3.0	**12**	<1.0	<1.0
	8/12/2024	<0.23	<0.25	<0.21	<0.37	**0.61 J**	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-52	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**9.1 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/12/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24

Notes:

= Analytical Results Exceed the Respective Screening Level

= Field Duplicate sample

Bold = Detected at Concentration Above Reporting Limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

NMED = Mew Mexico Environment Department

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL = Regional Screening Level

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

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TABLE 3B

TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS

Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
RW-1	8/18/2021	**2.2**	**1.9**	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/10/2023	**23.0**	**1.4**	<5.0
	8/8/2024	Sheen Observed - Could Not Sample		
MW-4	8/16/2021	**1.3**	**1.7**	---
	8/3/2022	**2.2**	**1.0**	<0.080
	8/9/2023	FPP - Could Not Sample		
	8/7/2024	**110**	**15**	<4.0
MW-8	8/1/2022	Not on Plan		
	4/27/2023	---	---	---
	8/7/2024	**0.090 J**	<0.013	<0.070
RW-9	8/1/2022	Sheen Observed - Could Not Sample		
	8/10/2023	**4.3**	**12**	<5.0
	8/9/2024	Sheen Observed - Could Not Sample		
RW-15	8/19/2021	**2.0**	**3.3**	---
	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/9/2024	FPP - Could Not Sample		
RW-18	8/1/2022	Well Could Not Be Accessed		
	8/9/2023	Well Could Not Be Accessed		
	8/9/2024	Well Could Not Be Accessed		
MW-20	4/11/2022	Sheen Observed - Could Not Sample		
	8/1/2022	Sheen Observed - Could Not Sample		
	4/24/2023	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	4/16/2024	FPP - Could Not Sample		
	8/9/2024	FPP - Could Not Sample		
MW-21	8/20/2021	<1.0	<0.50	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/9/2024	Sheen Observed - Could Not Sample		
RW-23	8/2/2022	Sheen Observed - Could Not Sample		
	8/10/2023	**7.9**	**5.6**	<5.0
	8/9/2024	Sheen Observed - Could Not Sample		

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TABLE 3B

TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS

Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
RW-28	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-29	8/20/2021	<1.0	<0.50	---
	8/2/2022	**0.069**	<0.050	<0.080
	8/2/2022	**0.10**	<0.050	<0.080
	8/10/2023	<1.0	<0.50	<5.0
	8/12/2024	**0.17 J**	<0.013	<0.070
MW-30	4/11/2022	Sheen Observed - Could Not Sample		
	8/2/2022	Sheen Observed - Could Not Sample		
	4/27/2023	---	---	---
	8/11/2023	**1.7**	**15**	<5.0
	4/17/2024	---	---	---
	8/12/2024	Sheen Observed - Could Not Sample		
MW-31	8/24/2021	<1.0	**0.91**	---
	8/2/2022	**1.5**	**0.36**	**0.94**
	8/22/2023	**0.40**	<1.0	<5.0
	8/26/2024	**0.66 *1**	**0.62**	<0.070
MW-40	8/18/2021	**2.1**	**1.4**	---
	8/1/2022	FPP - Could Not Sample		
	8/11/2023	**22.0**	**2.0**	<5.0
	8/8/2024	**20 B**	**1.7**	<7.0
	8/8/2024	**6.6 J B**	**3.7**	<3.5
RW-42	8/1/2022	Pump running in well - Not able to sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
RW-43	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-44	8/19/2021	<1.0	<0.050	---
	8/1/2022	**0.072**	<0.050	<0.080
	8/11/2023	<1.0	**0.58**	<5.0
	8/12/2024	**0.071 J**	**0.013 J**	<0.070

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TABLE 3B

TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS

Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-52	4/28/2021	---	---	---
	4/28/2021	---	---	---
	8/18/2021	<1.0	<0.050	---
	4/13/2022	---	---	---
	8/2/2022	**0.098**	<0.050	**0.062**
	4/27/2023	---	---	---
	4/27/2023	---	---	---
	8/17/2023	<1.0	<0.050	<5.0
	8/12/2024	**0.084 J**	<0.013	<0.070

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

B = Compound was found in the blank and sample

*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

mg/L = Milligrams per liter

NMED = Mew Mexico Environment Department

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

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TABLE 3C
TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		**Anions - NMAC 20.6.2**				**Anions - NMAC 20.6.2**					
Screening Levels		**1.6**	**250**	**1.0**	**-**	**10**	**-**	**600**	**-**	**-**	**-**
RW-1	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Sheen Observed - Could Not Sample									
	8/10/2023	<0.50	**320**	<1.0*	**3.5**	<1.0*	<2.5	**120**	---	**1,349**	**1,349**
	8/8/2024	Sheen Observed - Could Not Sample									
MW-4	8/16/2021	---	---	---	---	---	---	---	---	---	---
	8/3/2022	<0.50	**280**	<0.50	**5.1**	<0.50	<2.5	**3**	**1,200**	**1,314**	**1,314**
	8/9/2023	FPP - Could Not Sample									
	8/7/2024	<0.46	**240**	<0.12	**4.9**	<0.20	<2.5	<2.5	---	---	---
MW-8	8/1/2022	Not on Plan									
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	8/7/2024	**0.38**	**350**	<0.012	**1.1**	**7.2**	<0.25	**920**	---	**180**	**180**
RW-9	8/1/2022	Sheen Observed - Could Not Sample									
	8/10/2023	<0.50	**770**	<1.0*	**7.8**	<1.0*	<2.5	**3.6**	---	**1,296**	**1,296**
	8/9/2024	Sheen Observed - Could Not Sample									
RW-15	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/9/2024	FPP - Could Not Sample									
RW-18	8/1/2022	Well Could Not Be Accessed									
	8/9/2023	Well Could Not Be Accessed									
	8/9/2024	Well Could Not Be Accessed									
MW-20	4/11/2022	Sheen Observed - Could Not Sample									
	8/1/2022	Sheen Observed - Could Not Sample									
	4/24/2023	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	4/16/2024	FPP - Could Not Sample									
	8/9/2024	FPP - Could Not Sample									

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TABLE 3C
TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2				Anions - NMAC 20.6.2					
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
MW-21	8/20/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/9/2024	Sheen Observed - Could Not Sample									
RW-23	8/2/2022	Sheen Observed - Could Not Sample									
	8/10/2023	<0.50	310	<1.0*	4.6	<1.0*	<2.5	50	---	1,147	1,147
	8/9/2024	Sheen Observed - Could Not Sample									
RW-28	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-29	8/20/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.10	320	<0.10	2.2	27	<10	840	310	334	334
	8/2/2022	0.10	320	<0.10	2.2	28	<10	850	310	335	335
	8/10/2023	<0.50	370	<0.50	5.2	32	<2.5	1,100	---	521.4	521.4
	8/12/2024	0.53	380	23*	4.9	23*	<1.3 H	950	640 HF	690	690
MW-30	4/11/2022	Sheen Observed - Could Not Sample									
	8/2/2022	Sheen Observed - Could Not Sample									
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.50	220	<1.0*	4.0	<1.0*	<2.5	60	1,100	1,213	1,213
	4/17/2024	---	---	---	---	---	---	---	---	---	---
	8/12/2024	Sheen Observed - Could Not Sample									
MW-31	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.27 J	160	<0.50	3.2	<0.50	<2.5	120	970	1,127	1,127
	8/22/2023	<0.50	120	<0.50	2.7	<0.50	<2.5	98	1,000	1,149	1,149
	8/26/2024	<0.46	130	<0.12	2.7	<0.20	<2.5	420	830 HF	900	900

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TABLE 3C
TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2				Anions - NMAC 20.6.2					
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
MW-40	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	FPP - Could Not Sample									
	8/11/2023	<0.50	260	<1.0*	4.9	<1.0*	<2.5	<2.5	1,100	1,189	1,189
	8/8/2024	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---
RW-42	8/1/2022	Pump running in well - Not able to sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
RW-43	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-44	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	<0.50	55	---	<0.50	---	<2.5	2,700	340	357	357
	8/11/2023	<2.0	50	<1.0*	<0.10	<1.0*	<10	2,900	34	376.9	376.9
	8/12/2024	0.5	54	<0.11*	<0.25	<0.11*	<1.3 H	2,900	350 HF	370	370
MW-52	4/28/2021	---	---	---	---	---	---	---	---	---	---
	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---
	4/13/2022	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.19	560	<2.0	3.2	44	<10	1,400	120	118	118
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.50	1,100	33*	2.8	33*	<2.5	1,300	140	142.3	142.3
	8/12/2024	1.2	430	11*	1.4	11*	<1.3 H	980	160 HF	160	160

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

H/HF = Sample was prepped or analyzed beyond the specified holding time

mg/L = Milligrams per liter

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TABLE 3C
TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		**Anions - NMAC 20.6.2**				**Anions - NMAC 20.6.2**					
Screening Levels		**1.6**	**250**	**1.0**	**-**	**10**	**-**	**600**	**-**	**-**	**-**

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

NMAC = New Mexico Adminstrative Code

- = Not applicable/No screening level for specific analyte

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

* = Nitrate & Nitrite value is a combined result

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TABLE 3D
TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		**Total Metals - NMAC 20.6.2**							
Screening Levels		**0.01**	**2.0**	**0.005**	**0.05**	**0.015**	**0.05**	**0.05**	**0.002**
RW-1	8/18/2021	<0.0010	**1.8**	<0.0020	**0.0062**	**0.0021**	<0.0010	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/10/2023	**0.0019**	**1.3**	<0.0020	**0.018**	**0.0023**	**0.0013**	<0.0050	<0.00020
	8/8/2024	FPP - Could Not Sample							
MW-4	8/16/2021	**0.022**	**2.2**	<0.00050	**0.041**	**0.0054**	<0.0010	<0.0005	<0.00020
	8/3/2022	**0.0054**	**2.3**	<0.0020	<0.0060	**0.00068**	**0.0006**	<0.005	<0.00020
	8/9/2023	FPP - Could Not Sample							
	8/7/2024	**0.030**	**2.3**	<0.0025	**0.084**	<0.012	<0.0040	<0.0025	<0.00012
MW-8	8/1/2022	Not on Plan							
	4/27/2023	---	---	---	---	---	---	---	---
	8/7/2024	---	---	---	---	---	---	---	---
RW-9	8/1/2022	Sheen Observed - Could Not Sample							
	8/10/2023	**0.012**	**3.1**	<0.0020	**0.047**	**0.011**	**0.0022**	<0.0050	<0.00020
	8/9/2024	Sheen Observed - Could Not Sample							
RW-15	8/19/2021	<0.010	**0.91**	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/9/2024	FPP - Could Not Sample							
RW-18	8/1/2022	Well Could Not Be Accessed							
	8/9/2023	FPP - Could Not Sample							
	8/9/2024	Well Could Not Be Accessed							

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TABLE 3D
TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		**Total Metals - NMAC 20.6.2**							
Screening Levels		**0.01**	**2.0**	**0.005**	**0.05**	**0.015**	**0.05**	**0.05**	**0.002**
MW-20	4/11/2022	Sheen Observed - Could Not Sample							
	8/1/2022	Sheen Observed - Could Not Sample							
	4/24/2023	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	4/16/2024	FPP - Could Not Sample							
	8/9/2024	FPP - Could Not Sample							
MW-21	8/20/2021	<0.0010	**0.58**	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/9/2024	Sheen Observed - Could Not Sample							
RW-23	8/2/2022	Sheen Observed - Could Not Sample							
	8/10/2023	**0.0036**	**1.9**	<0.0020	<0.0060	**0.011**	**0.0018**	<0.0050	<0.00020
	8/9/2024	Sheen Observed - Could Not Sample							
RW-28	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-29	8/20/2021	**0.0011**	**0.028**	<0.0020	<0.0060	<0.00050	**0.0025**	<0.0050	<0.00020
	8/2/2022	**0.0013**	**0.057**	<0.0020	<0.0060	<0.0025	**0.013**	<0.0050	**0.000092 J**
	8/2/2022	**0.0013**	**0.059**	<0.0020	<0.0060	<0.0025	**0.013**	<0.0050	<0.00020
	8/10/2023	**0.0036**	**0.27**	<0.0020	<0.0060	**0.0024**	**0.027**	**0.0061**	<0.00020
	8/12/2024	**0.0025 J**	**0.13**	<0.0025	<0.0025	**0.022**	**0.028**	<0.0025	<0.00012

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TABLE 3D
TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-30	4/11/2022	Sheen Observed - Could Not Sample							
	8/2/2022	Sheen Observed - Could Not Sample							
	4/27/2023	---	---	---	---	---	---	---	---
	8/11/2023	**0.0011**	**0.67**	<0.0020	**0.014**	**0.0014**	<0.0010	<0.0050	<0.00020
	4/17/2024	---	---	---	---	---	---	---	---
	8/12/2024	Sheen Observed - Could Not Sample							
MW-31	8/24/2021	<0.010	**0.55**	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.0020
	8/2/2022	**0.00091 J**	**0.58**	<0.0020	<0.0060	<0.0025	<0.0010	<0.0050	<0.00020
	8/22/2023	<0.0010	**0.39**	<0.0020	<0.0060	<0.0050	**0.0016**	<0.0050	<0.00020
	8/26/2024	<0.0025	**0.43**	<0.0025	**0.0081**	**0.0049 J**	**0.0046 J**	<0.0050	<0.00012
MW-40	8/18/2021	**0.0026**	**2**	<0.0020	<0.0060	**0.0018**	<0.0010	<0.0050	<0.00020
	8/2/2022	FPP - Could Not Sample							
	8/11/2023	**0.0089**	**2.3**	<0.0020	**0.0082**	**0.0091**	**0.0023**	<0.0050	<0.00020
	8/8/2024	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---
RW-42	8/1/2022	Pump running in well - Not able to sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
RW-43	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							

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TABLE 3D
TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-44	8/19/2021	<0.010	**0.015**	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/1/2022	<0.0050	**0.016**	<0.0020	<0.0060	<0.0025	<0.0050	**0.0023 J**	<0.00020
	8/11/2023	<0.0010	**0.047**	<0.0020	**0.035**	<0.010	**0.0010**	**0.0097**	<0.00020
	8/12/2024	<0.025	**0.11**	<0.025	**0.025**	<0.030	<0.040	<0.025	<0.00012
MW-52	4/28/2021	---	---	---	---	---	---	---	---
	4/28/2021	---	---	---	---	---	---	---	---
	8/18/2021	<0.0050	**0.016**	<0.0020	<0.0060	<0.00050	**0.04**	<0.0050	<0.00020
	4/13/2022	---	---	---	---	---	---	---	---
	8/2/2022	**0.0011**	**0.018**	<0.0020	<0.0060	<0.0025	**0.056**	**0.0021 J**	**0.000093 J**
	4/27/2023	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---
	8/17/2023	**<0.0050**	**0.027**	<0.0020	<0.0060	<0.0050	**0.11**	**0.013**	<0.00020
	8/12/2024	**0.0039 J**	**0.069**	<0.0025	<0.0025	<0.012	**0.048**	<0.0025	<0.00012

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

FPP = Free Product Present

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TABLE 3E
TERMINAL WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
RW-1	8/18/2021	**0.0034**	**1.7**	<0.0020	**140**	<0.0060	<0.0010	**14**	<0.00050	**41**	**4**	**5**	<0.0010	<0.0050	**370**	---	**0.01**
	8/1/2022	Sheen Observed - Could Not Sample															
	8/10/2023	<0.010	**0.71**	<0.0020	**130**	0.0083	<0.0010	**5.5**	<0.010	**71**	**1.4**	**5.0**	<0.010	<0.0050	**690**	<0.010	<0.020
	8/8/2024	Sheen Observed - Could Not Sample															
MW-4	8/16/2021	**0.015**	**2**	<0.00050	**120**	<0.0060	**0.0012**	**4.5**	<0.00050	**51**	**1.4**	**6**	<0.0010	<0.0050	**590**	---	**0.02**
	8/3/2022	**0.0069**	**2.4**	<0.0020	**120**	<0.0060	<0.0010	**7**	**0.00039**	**64**	**1.4**	**4.6**	**0.0011**	**0.0018**	**550**	<0.00050	**0.0053**
	8/9/2023	FPP - Could Not Sample															
	8/7/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	8/1/2022	Not on Plan															
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/7/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RW-9	8/1/2022	Sheen Observed - Could Not Sample															
	8/10/2023	**0.010**	**2.8**	<0.0020	**280**	**0.014**	<0.010	**1.2**	**<0.010**	**110**	**3.6**	**4.7**	<0.010	**0.0054**	**650**	<0.010	<0.020
	8/9/2024	Sheen Observed - Could Not Sample															
RW-15	8/19/2021	<0.0010	**0.86**	<0.00020	**140**	<0.0060	**0.002**	**5.1**	<0.00050	**45**	**2.5**	**4.1**	<0.0010	<0.0050	**600**	---	**0.04**
	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/9/2024	FPP - Could Not Sample															
RW-18	8/1/2022	Well Could Not Be Accessed															
	8/9/2023	FPP - Could Not Sample															
	8/9/2024	Well Could Not Be Accessed															
MW-20	4/11/2022	Sheen Observed - Could Not Sample															
	8/1/2022	Sheen Observed - Could Not Sample															
	4/24/2023	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	4/16/2024	FPP - Could Not Sample															
	8/9/2024	FPP - Could Not Sample															
MW-21	8/20/2021	<0.0010	**0.58**	<0.0020	**140**	<0.00060	<0.0010	**0.39**	<0.00050	**40**	**1.4**	**3.1**	0.0017	<0.0050	**540**	---	<0.010
	8/1/2022	Sheen Observed - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/9/2024	Sheen Observed - Could Not Sample															
RW-23	8/2/2022	Sheen Observed - Could Not Sample															
	8/10/2023	<0.010	**1.6**	<0.0020	**190**	<0.0060	<0.010	**3.3**	<0.010	**71**	**4.9**	**4.3**	<0.010	<0.0050	**390**	<0.0010	<0.020
	8/9/2024	Sheen Observed - Could Not Sample															
RW-28	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-29	8/20/2021	<0.0010	**0.02**	<0.0020	**92**	<0.0060	<0.0010	<0.020	<0.00050	**20**	**1.1**	**1.9**	**0.0024**	<0.0050	**110**	---	<0.010
	8/2/2022	**0.00071 J**	**0.046**	<0.0020	**270**	<0.0060	<0.0050	<0.020	<0.0025	**53**	**0.76**	**3.2**	**0.01**	**0.005**	**320**	**0.0076**	**0.0047**
	8/2/2022	**0.0012**	**0.046**	<0.0020	**280**	<0.0060	**0.0012**	<0.020	<0.00050	**52**	**0.73**	**3.1**	**0.013**	**0.005**	**320**	**0.0084**	**0.0079**
	8/10/2023	<0.010	**0.061**	<0.0020	**390**	<0.0060	**<0.010**	<0.020	<0.010	**79**	**0.96**	**4.4**	**0.019**	**0.0083**	**570**	**0.021**	<0.020
	8/12/2024	<0.010	**0.058**	<0.010	**310**	<0.010	<0.010	<1.7	<0.010	**71 J**	**0.87**	**5.9**	**0.026**	<0.010	**560**	**0.024**	<0.49

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TABLE 3E
TERMINAL WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-30	4/11/2022	Sheen Observed - Could Not Sample															
	8/2/2022	Sheen Observed - Could Not Sample															
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.010	**0.46**	<0.0020	**130**	<0.0060	<0.010	**0.057**	<0.010	**40**	**1.5**	**3.0**	<0.010	<0.0050	**570**	<0.010	<0.020
	4/17/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/12/2024	Sheen Observed - Could Not Sample															
MW-31	8/24/2021	<0.020	**0.52**	<0.0020	**82**	<0.0060	<0.020	**0.049**	<0.010	**28**	**0.37**	**3**	<0.020	<0.0050	**470**	<0.010	<0.010
	8/2/2022	**0.0013**	**0.53**	<0.0020	**89**	<0.0060	<0.0010	**0.015 J**	<0.00050	**34**	**0.34**	**3.1**	**0.00086 J**	**0.0019 J**	**520**	**0.00021 J**	**0.0053 J**
	8/22/2023	<0.010	**0.43**	<0.0020	**84**	<0.0060	<0.010	**0.037**	<0.010	**36**	**0.31**	**3.2**	<0.010	<0.0050	**530**	<0.010	<0.020
	8/26/2024	<0.010	**0.14**	<0.010	**120**	<0.010	<0.010	**0.14**	<0.010	**28**	**0.082**	**5.3**	<0.016	<0.010	**500**	<0.010	**0.012 J**
MW-40	8/18/2021	**0.0022**	**2**	<0.0020	**100**	<0.0060	<0.0010	**5.3**	<0.00050	**44**	**2.4**	**3.5**	<0.0010	<0.0050	**500**	---	**0.011**
	8/2/2022	FPP - Could Not Sample															
	8/9/2023	**<0.010**	**2.0**	<0.0020	**120**	<0.0060	<0.010	**5.0**	<0.010	**49**	**2.5**	**3.7**	<0.010	<0.0050	**550**	<0.010	**0.11**
	8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RW-42	8/1/2022	Pump running in well - Not able to sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
RW-43	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-44	8/19/2021	<0.0010	**0.011**	<0.0020	**470**	<0.0060	<0.0010	**0.19**	<0.00050	**73**	**2.3**	**8.3**	<0.0010	<0.0050	**960**	---	<0.010
	8/1/2022	**0.00092 J**	**0.0092**	<0.0020	**490**	<0.0060	<0.0050	**0.96**	<0.0025	**66**	**1.8**	**6.7**	<0.0050	**0.0083**	**950**	**0.00060 J**	**0.0053 J**
	8/11/2023	<0.010	<0.020	<0.0020	**470**	<0.0060	<0.010	**0.061**	<0.010	**67**	**0.61**	**7.1**	<0.010	**0.010**	**940**	**0.023**	<0.00020
	8/12/2024	<0.010	**0.014 J**	<0.010	**460**	<0.010	<0.010	<1.7	<0.010	**71 J**	**0.66**	**9.7**	<0.016	<0.010	**910**	<0.010	<0.49
MW-52	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/18/2021	**0.0012**	**0.016**	<0.0020	**280**	<0.0060	**0.001**	**0.047**	<0.00050	**81**	**4.2**	**4.7**	**0.042**	<0.0050	**600**	---	**0.052**
	4/13/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	**0.00090 J**	**0.012**	<0.0020	**420**	<0.0060	<0.0050	**0.021**	<0.0025	**120**	**5**	**4.4**	**0.059**	**0.0067**	**710**	**0.0028**	**0.057**
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	<0.010	<0.020	<0.0020	**470**	<0.0060	<0.010	**0.044**	<0.010	**120**	**0.49**	**5.1**	**0.11**	**0.014**	**830**	<0.010	**0.18**
	8/12/2024	<0.010	**0.016 J**	<0.010	**170**	<0.010	<0.010	**0.028**	<0.010	**45**	**0.12**	**4.1**	**0.037**	<0.010	**410**	<0.010	**0.013 J**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

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TABLE 4A
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					EPA RSL Tap Water THQ = 0.1					
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200
MW-1	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/16/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	4.7 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/27/2023	<2.0	<2.0	<2.0	<3.0	<2.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/11/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/17/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14
MW-13	4/28/2021	<1.0	<1.0	<1.0	<1.5	**1.8**	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	**1.2**	<4.0	<4.0	**0.51 J**	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/5/2022	<1.0	<1.0	<1.0	1.5	**1.3**	<4.0	<4.0	<2.0	**2.8 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<1.0	<1.0	<1.0	<1.5	**1.1**	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/18/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/13/2024	<0.23	<0.25	<0.21	**0.38 J**	**1.0**	<2.0	<2.0	<0.24	**2.7 J**	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14
MW-26	8/17/2021	<1.0	<1.0	**2.0**	<1.5	<1.0	**16**	**24**	**110**	<10	**54**	<1.0	<1.0	<1.0	<3.0	**68**	**9.9**
	8/9/2022	**0.28 J**	<1.0	**0.60 J**	<1.5	<1.0	**23**	**27**	**87 P**	**5.4 J**	**42**	<1.0	<1.0	**0.43 J**	**1.7 J**	**46**	**7.4**
	8/24/2023	**2.0**	<5.0	<5.0	<7.5	<1.0	**11**	**21**	**160**	<10	**68**	<1.0	<1.0	<1.0	<3.0	**86**	**12**
	8/26/2024	**1.1 J**	<1.3	**1.4 J**	<1.9	<2.0	**24**	**31**	**120**	<13	**60**	<0.61	<0.91	<1.0	**2.3 J**	**62**	**9.5**
MW-27	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**12**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/8/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	**0.33 J**	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14
MW-32	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	**1.1 J**	**1.2 J**	**1.5 J**	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/14/2024	<0.23	<0.25	<0.21	**0.41 J**	<0.39	<2.0	<2.0	**1.2 J**	<2.5	**0.31 J**	<0.12	<0.18	<0.20	<0.13	**0.43 J**	**0.29 J**
MW-33	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**5.1 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/18/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/8/2024	<0.23 H	<0.25 H	<0.21 H	<0.37 H	<0.39 H	<2.0 H	<2.0 H	**0.29 J H B**	<2.5 H	<0.18 H	<0.12 H	<0.18 H	**0.26 J H**	**0.37 J H**	<0.11 H	**0.24 J H**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

H = Sample was prepped or analyzed beyond the specified holding time

B = Compound was found in the blank and sample

NMED = Mew Mexico Environment Department

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL - Regional Screening Level

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TABLE 4B
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-1	4/28/2021	**0.12**	< 0.050	<0.60
	8/16/2021	<1.0	<0.050	---
	4/13/2022	**0.098**	<0.050	<0.080
	8/4/2022	**0.036**	<0.050	<0.080
	4/27/2023	<1.0	<0.10	<5.0
	8/11/2023	<1.0	<0.050	<5.0
	4/17/2024	<0.43	<0.10	<0.23
	8/7/2024	**0.15 J**	<0.013	<0.070
MW-13	4/28/2021	---	---	---
	8/23/2021	<1.0	<0.050	---
	4/13/2022	---	---	---
	8/5/2022	**0.21**	<0.050	<0.080
	4/28/2023	---	---	---
	4/28/2023	---	---	---
	8/24/2023	<1.0	<0.050	<5.0
	4/18/2024	---	---	---
	8/13/2024	**0.30**	<0.013	<0.070
MW-26	8/17/2021	**1.5**	**1.6**	---
	8/9/2022	**2.0**	**0.47 P**	<0.080
	8/24/2023	**2.1**	**1.50**	<5.0
	8/26/2024	**2.6 *1**	**1.20**	<0.070
MW-27	8/23/2021	<1.0	<0.050	---
	8/9/2022	**0.25**	<0.050	**0.15**
	8/24/2023	<1.0	<0.050	<5.0
	8/8/2024	**0.54 B**	<0.013	**0.39**
MW-32	8/23/2021	<1.0	<0.050	---
	8/23/2021	<1.0	<0.050	---
	8/9/2022	**0.048 J**	<0.050	**0.080 J**
	8/24/2023	<1.0	<0.050	<5.0
	8/14/2024	**0.095 J**	<0.013	<0.070

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TABLE 4B
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-33	4/28/2021	**0.12**	<0.050	<0.71
	8/23/2021	<1.0	<0.050	---
	4/12/2022	**0.061**	<0.050	<0.080
	8/4/2022	---	<0.050	---
	4/28/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
	4/18/2024	<0.43	<0.050	<0.23
	8/8/2024	**0.097 J B**	<0.013	<0.070

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

B = Compound was found in the blank and sample

*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

mg/L = Milligrams per liter

NMED = Mew Mexico Environment Department

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

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TABLE 4C
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
MW-1	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/16/2021	---	---	---	---	---	---	---	---	---	---
	4/13/2022	---	---	---	---	---	---	---	---	---	---
	8/4/2022	0.36	7.4	0.022 J	0.066 J	0.94	<0.50	80	340	372	372
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.50	7.1	<1.0*	<0.50	<1.0*	<2.5 H	81	360	404.6	404.6
	4/17/2024	---	---	---	---	---	---	---	---	---	---
	8/7/2024	0.51 J	10	<0.12	<0.50	3.5	<2.5	310	210 HF	230	230
MW-13	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	4/13/2022	---	---	---	---	---	---	---	---	---	---
	8/5/2022	<0.50	160	---	2.1	---	<2.5	990	720	757.9	757.9
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.10	100	0.12	1.3	1.3	<0.50	740	860	931.2	931.2
	4/17/2024	---	---	---	---	---	---	---	---	---	---
	8/13/2024	<0.92	110	0.039 J	2.0	1.1	<0.25	840	890 HF	950	950
MW-26	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.29 J	210	<0.50	3.6	<0.50	<2.5	<2.5	1,200	1,283	1,283
	8/24/2023	<0.50	210	<0.50	3.6	<0.50	<2.5	<2.5	1,200	1,299	1,299
	8/26/2024	<0.46	190	<0.12	3.6	<0.20	<2.5	<2.5	1,200 HF	1,300	1,300
MW-27	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.33 J	1,300	<0.50	13	0.50 J	<2.5	2,500	230 H	249.8	249.8
	8/24/2023	<0.50	1,100	<0.50	12	<0.050	<10	2,500	310	337.1	337.1
	8/8/2024	---	---	---	---	---	---	---	---	---	---
MW-32	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.37 J	760	<0.50	3.9	2.5	<2.5	1,900	140	156.1	156.1
	8/24/2023	<0.50	480	0.53	3.2	<0.50	<10	2,000	140	145.7	145.7
	8/14/2024	---	---	---	---	---	---	---	---	---	---

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TABLE 4C
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
MW-33	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	4/12/2022	---	---	---	---	---	---	---	---	---	---
	8/4/2022	**0.14**	**190**	<0.10	**1.0**	**24**	<10	**1,800**	**100 H**	**113.2**	**113.2**
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.50	**190**	<0.50	**1.0**	**26**	<10	**2,100**	**120**	**131.4**	**131.4**
	4/18/2024	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

H/HF = Sample was prepped or analyzed beyond the specified holding time

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

* = Nitrate & Nitrite value is a combined result

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TABLE 4D
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-1	4/28/2021	---	---	---	---	---	---	---	---
	8/16/2021	<0.0010	**0.046**	---	<0.0060	<0.00050	<0.0010	<0.00050	<0.00020
	4/13/2022	---	---	---	---	---	---	---	---
	8/4/2022	**0.00052 J**	**0.054**	<0.0020	<0.0060	<0.00050	**0.00079 J**	**0.0027 J**	<0.00020
	4/27/2023	---	---	---	---	---	---	---	---
	8/11/2023	**0.010**	**0.29**	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/11/2023	---	---	---	---	---	---	---	---
	8/7/2024	<0.0025	**0.063**	<0.0025	<0.0025	<0.012	**0.0049 J B**	<0.0025	**0.00015 J**
MW-13	4/28/2021	---	---	---	---	---	---	---	---
	8/23/2021	<0.010	**0.025**	---	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	4/13/2022	---	---	---	---	---	---	---	---
	8/5/2022	**0.00062 J**	**0.026**	<0.0020	**0.076**	<0.00050	**0.0017**	<0.0050	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---
	8/24/2023	**0.0011**	**0.023**	<0.0020	**0.045**	<0.0050	**0.0044**	**0.0057**	<0.00020
	4/18/2024	---	---	---	---	---	---	---	---
	8/13/2024	<0.0025	**0.031**	<0.0025	**0.071**	<0.012	**0.0052**	<0.0025	<0.00012
MW-26	8/17/2021	**0.0023**	**2.0**	---	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/9/2022	**0.0019**	**2.1**	<0.0020	<0.0060	**0.00031 J**	<0.0010	<0.0050	<0.00020
	8/24/2023	**0.0054**	**2.1**	<0.0020	<0.0060	<0.0050	**0.0014**	<0.0050	<0.00020
	8/26/2024	**0.0051**	**1.9**	<0.0025	<0.0050	<0.0030	<0.0040	<0.0050	<0.00012

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TABLE 4D
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
MW-27	8/23/2021	<0.010	**0.055**	---	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/9/2022	**0.00087 J**	**0.049**	<0.0020	<0.0060	**0.00012 J**	**0.0027**	**0.0088**	<0.00020
	8/24/2023	**0.0056**	**0.130**	**0.0092**	<0.0060	<0.010	**0.011**	**0.025**	<0.00020
	8/8/2024	<0.0050	**0.140**	**0.0150**	<0.0050	<0.060	<0.0080	<0.0025	<0.00012
MW-32	8/23/2021	<0.0050	**0.015**	---	<0.0060	<0.0025	**0.0076**	<0.0050	<0.00020
	8/23/2021	<0.010	**0.015**	---	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/9/2022	**0.00085 J**	**0.016**	<0.0020	<0.0060	**0.000099 J**	**0.0040**	**0.0093**	<0.00020
	8/24/2023	**0.0017**	**0.031**	<0.0020	<0.0060	<0.0050	<0.0050	**0.014**	<0.00020
	8/14/2024	---	---	---	---	---	---	---	---
MW-33	4/28/2021	---	---	---	---	---	---	---	---
	8/23/2021	<0.0050	**0.013**	---	<0.0060	<0.0025	**0.030**	<0.0050	<0.00020
	4/12/2022	---	---	---	---	---	---	---	---
	8/4/2022	<0.0050	**0.014**	<0.0020	<0.0060	<0.0025	**0.024**	**0.0076**	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	8/24/2023	**0.0010**	**0.020**	<0.0020	<0.0060	<0.0050	**0.029**	**0.011**	<0.00020
	4/18/2024	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

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TABLE 4E
CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-1	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/16/2021	<0.0010	**0.046**	<0.00050	**100**	<0.0060	<0.0010	**0.28**	<0.00050	**21**	**0.13**	**1.7**	<0.0010	<0.0050	**47**	---	<0.010
	4/13/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	**0.00061 J**	**0.052**	<0.0020	**110**	<0.0060	**0.00097 J**	**0.50**	<0.00050	**23**	**0.12**	**1.8**	**0.00047 J**	**0.0017 J**	**55**	**0.0031**	**0.0044**
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.010	**0.27**	<0.0020	**120**	<0.0060	<0.0010	**0.27**	<0.010	**23**	**6.0**	**2.5**	<0.010	<0.0050	**46**	<0.010	<0.020
	4/17/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/7/2024	<0.010	**0.054**	<0.010	**120**	<0.010	<0.010	**1.4**	<0.010	**26**	**0.15**	**2.2**	<0.016	<0.010	**69**	<0.010	**0.037**
MW-13	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<0.010	**0.025**	<0.0020	**280**	<0.0060	<0.010	**0.40**	<0.0050	**85**	**1.6**	**4.2**	<0.010	<0.0050	**540**	---	<0.010
	8/5/2022	---	---	---	---	<0.0060	<0.0050	**0.40**	<0.0025	**54**	**0.75**	**3.9**	**0.0020 J**	**0.0044 J**	**590**	**0.0065**	**0.0060 J**
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.010	**0.025**	<0.0020	**190**	**0.021**	<0.010	<0.020	<0.010	**75**	**0.67**	**3.5**	<0.010	**0.0059**	**450**	<0.010	**0.036**
	4/17/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/13/2024	<0.010	**0.030**	<0.010	**210**	**0.013 J**	<0.010	<0.17	<0.010	**81**	**0.72**	**5.2**	<0.016	<0.010	**510**	<0.010	**0.067 J**
MW-26	8/17/2021	---	---	---	---	<0.0060	<0.0010	**3.1**	<0.00050	**25**	**2.0**	**2.2**	<0.0010	<0.0050	**520**	---	<0.010
	4/29/2022	**0.0022**	**2.0**	<0.0020	**120**	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2022	**0.0023**	**2.0**	<0.0020	**130**	<0.0060	0.00060	**3.2**	**0.000079 J**	**40**	**2.1**	**3.5**	<0.0010	**0.0024 J**	**600**	**0.000080 J**	**0.0063 J**
	8/24/2023	<0.010	**2.3**	<0.0020	**130**	<0.0060	<0.010	**3.5**	<0.010	**44**	**2.3**	**4.0**	<0.010	<0.0050	**540**	<0.010	**0.022**
	8/26/2024	<0.010	**2.5**	<0.010	**120**	<0.010	<0.010	**2.8**	<0.010	**41**	**1.6**	**4.7**	<0.016	<0.010	**540**	<0.010	**0.047**
MW-27	8/23/2021	<0.010	**0.060**	<0.0020	**760**	<0.0060	<0.010	<0.020	<0.0050	**140**	**0.0071**	**3.1**	<0.010	<0.0050	**1,200**	---	**0.025**
	8/9/2022	**0.0017**	**0.046**	<0.0020	**820**	<0.0060	**0.0047**	**0.16**	**0.000070 J**	**140**	**0.026**	**4.4**	**0.0036**	**0.018**	**1,200**	**0.061**	**0.0069 J**
	8/24/2023	<0.010	**0.042**	<0.0020	**810**	<0.0060	<0.010	**0.077**	<0.010	**130**	**0.78**	**4.8**	<0.010	**0.022**	**1,000**	**0.022**	<0.020
	8/8/2024	<0.010	**0.064**	<0.010	**1,000**	<0.010	<0.010	**0.80**	<0.010	**190**	**0.13**	**2.7**	<0.016	<0.010	**1,600**	**0.077**	**0.078**
MW-32	8/23/2021	<0.0050	**0.015**	<0.0020	**330**	<0.0060	<0.0050	<0.020	<0.0025	**51**	<0.0020	**4.1**	**0.0058**	<0.0050	**810**	---	<0.010
	8/23/2021	<0.0050	**0.016**	<0.0020	**330**	<0.0060	<0.0050	<0.020	<0.0025	**51**	<0.0020	**4.1**	**0.0088**	<0.0050	**850**	---	<0.010
	8/9/2022	**0.00089 J**	**0.015**	<0.0020	**390**	<0.0060	**0.00053 J**	<0.020	<0.00050	**55**	<0.0020	**3.9**	**0.0029**	**0.0091**	**1,000**	**0.011**	**0.0042 J**
	8/24/2023	<0.010	<0.020	<0.0020	**370**	<0.0060	<0.010	<0.020	<0.010	**59**	**0.043**	**4.8**	<0.010	**0.011**	**850**	<0.050	**0.036**
	8/14/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-33	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<0.010	**0.0140**	<0.0020	**360**	<0.0060	<0.010	<0.020	<0.0050	**54**	<0.0020	**5.4**	**0.032**	<0.0050	**720**	---	<0.010
	4/12/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	<0.0050	**0.014**	<0.0020	**350**	<0.0060	<0.0050	<0.020	<0.0050	**47**	<0.0020	**4.8**	**0.030**	**0.0065**	**720**	**0.0076**	**0.0084 J**
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.010	<0.020	<0.0020	**330**	<0.0060	<0.010	<0.020	<0.010	**48**	<0.0020	**5.1**	**0.025**	**0.010**	**680**	<0.010	**0.061**
	4/18/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 5A
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					EPA RSL Tap Water THQ = 0.1						
Screening Levels		**5**	**1,000**	**700**	**620**	**100**	**11.4**	**35.1**	**1.17**	**14,100**	**447**	**5.6**	**60**	**-**	**100**	**66**	**200**	**69**
MW-11	8/17/2021	---	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well																
	8/25/2023	**3.2**	< 1.0	<1.0	< 1.5	< 1.0	**8.3**	**15**	**48**	< 10	**53**	<1.0	<1.0	<1.0	<3.0	**51**	**8.6**	**1.7**
	8/14/2024	<0.23	<0.25	**0.40 J**	**0.74 J**	**0.62 J**	**9.6**	**16**	**56**	**2.8 J**	**58**	**0.29 J**	<0.18	**0.29 J**	**1.7 J**	**59**	**8.8**	**2.2**
MW-12	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/17/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**6.3 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample																
	4/18/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample																
MW-34	8/17/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/17/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2023	Well Dry - Could Not Sample																
	8/26/2024	Well Dry - Could Not Sample																
MW-35	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/11/2022	Well Dry - Could Not Sample																
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**11**	<1.0	<1.0		<1.0	<3.0	<1.0	<1.0	**0.73 J**
	4/25/2023	Insufficient Water to Collect Sample																
	8/25/2023	<5.0	<5.0	<5.0	<7.5	<5.0	<20	<20	<10	<50	<5.0	<5.0	<5.0	<5.0	<15	<5.0	<5.0	<5.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample																
MW-37	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	**0.16 J**	<1.0	<4.0	<4.0	<2.0	**5.3 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/26/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-38	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/11/2022	Insufficient Water to Collect Sample																
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**6.4 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	--	---	---	---	---	---
	8/13/2024	<0.23	<0.25	<0.21	**0.43 J**	**0.49 J**	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	**0.24 J**	<0.14	**0.61 J**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

EPA = Environmental Protection Agency

NMED = Mew Mexico Environment Department

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

RSL - Regional Screening Level

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TABLE 5B
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-11	8/17/2021	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well		
	8/25/2023	<1.0	**0.83**	<5.0
	8/14/2024	**1.80**	**0.80**	<0.070
MW-12	4/28/2021	**0.090**	<0.050	<0.60
	8/17/2021	<1.0	<0.050	---
	4/12/2022	<0.064	<0.050	<0.080
	8/4/2022	<0.064	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/9/2023	Well Dry - Could Not Sample		
	4/18/2024	<0.43	<0.050	<0.23
	8/6/2024	Well Dry - Could Not Sample		
MW-34	8/17/2021	<1.0	**0.26**	---
	8/17/2021	<1.0	**0.26**	---
	8/9/2022	**0.37**	**0.17**	<0.080
	8/9/2022	**0.28**	**0.15**	<0.080
	8/9/2023	Well Dry - Could Not Sample		
	8/26/2024	Well Dry - Could Not Sample		
MW-35	4/28/2021	---	---	---
	8/21/2021	<1.0	**0.24**	---
	4/11/2022	Well Dry - Could Not Sample		
	8/9/2022	**0.30**	**0.20**	<0.080
	4/25/2023	Insufficient Water to Collect Sample		
	8/25/2023	<1.0	<0.25	<5.0
	4/22/2024	---	---	---
	8/6/2024	Well Dry - Could Not Sample		
MW-37	4/28/2021	**0.13**	<0.050	<0.62
	8/21/2021	<1.0	<0.050	---
	4/12/2022	**0.13**	<0.050	<0.080
	8/4/2022	**0.073**	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	4/28/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/26/2024	**0.10 J *1**	**0.013 J**	<0.070

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TABLE 5B
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		**NMED Soil Screening Guidance Table 6-4**		
Screening Levels		**0.0167**	**0.0101**	**0.0858**
MW-38	4/28/2021	<0.085	<0.050	<0.60
	8/23/2021	<1.0	<0.050	---
	4/11/2022	Insufficient Water to Collect Sample		
	8/9/2022	**0.19**	**0.012 J**	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/13/2024	**0.32**	**0.027 J**	**0.077 J**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

mg/L = Milligrams per liter

NMED = Mew Mexico Environment Department

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TABLE 5C
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		SVOCs - EPA RSL Tap Water THQ = 0.1												
Screening Levels		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2
MW-11	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/1/2022	Could Not Sample - Wasp Nest in Well												
	8/25/2023	**6.5**	<10	**9.8**	<10	<10	<20	<10	<10	<10	<5.0	**36**	<10	<40
	8/14/2024	---	--	---	--	--	--	--	--	--	--	--	--	--
MW-12	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2022	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2022	<4.3	<5.8	<4.2	<5.1	<6.8	<18	<8.4	<8.3	<12	<6.5	<3.2	<18	<14
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/2023	Well Dry - Could Not Sample												
	4/18/2024	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/6/2024	Well Dry - Could Not Sample												
MW-34	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/2022	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/2022	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/9/2023	Well Dry - Could Not Sample												
	8/26/2024	Well Dry - Could Not Sample												
MW-35	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/21/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2022	Well Dry - Could Not Sample												
	8/9/2022	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/25/2023	Insufficient Water to Collect Sample												
	8/25/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/22/2024	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/6/2024	Well Dry - Could Not Sample												
MW-37	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/21/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2022	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/4/2022	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/22/2024	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/26/2024	--	--	--	--	--	--	--	--	--	--	--	--	--

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TABLE 5C
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		**SVOCs - EPA RSL Tap Water THQ = 0.1**												
Screening Levels		**11.4**	**36**	**35.1**	**93**	**0.15**	**7,500**	**5.6**	**16**	**-**	**29**	**1.17**	**580**	**2**
MW-38	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2022	Insufficient Water to Collect Sample												
	8/9/2022	<4.3	<5.8	<4.2	<5.1	<6.8	<18	<8.4	<8.3	<12	<6.5	<3.2	<18	<14
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<10	<5.0	<5.0	<10	<40
	4/22/2024	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/2024	<20	<9.0	<6.7	<12	<45	<36	<23	<15	<18	<11	<7.9	<9.3	<6.2

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

SVOC = Semi-volatile organic compound

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL - Regional Screening Level

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TABLE 5D
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
MW-11	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well									
	8/25/2023	<0.50	**240**	<1.0*	**3.7**	<1.0*	<2.5 H	**11**	**1,200**	**1,256**	**1,256**
	8/14/2024	<0.46	**240**	<0.12	**4.0**	<0.20	<2.5	**3.1 J**	**1,100 HF**	**1,300 H**	**1,300 H**
MW-12	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/17/2021	---	---	---	---	---	---	---	---	---	---
	4/12/2022	---	---	---	---	---	---	---	---	---	---
	8/4/2022	**0.38**	**3.4**	<0.10	<0.10	<0.10	<0.50	**58**	**130 H**	**144.9**	**144.9**
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample									
	4/18/2024	---	---	---	---	---	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample									
MW-34	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	**0.56**	**240**	<0.50	**3.4**	<0.50	<2.5	**650**	**760**	**821.3**	**821.3**
	8/9/2022	**0.57**	**240**	<0.50	**3.4**	<0.50	<2.5	**640**	**760**	**831.1**	**831.1**
	8/9/2023	Well Dry - Could Not Sample									
	8/26/2024	Well Dry - Could Not Sample									
MW-35	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/21/2021	---	---	---	---	---	---	---	---	---	---
	4/11/2022	Well Dry - Could Not Sample									
	8/9/2022	**0.78**	**260**	<0.50	**3.6**	<0.50	<2.5	**460**	**790 H**	**847.8**	**847.8**
	4/25/2023	Insufficient Water to Collect Sample									
	8/25/2023	**0.70**	**320**	<1.0*	**4.3**	<1.0*	<2.5 H	**330**	**890 H**	**981.0**	**981.0**
	4/22/2024	---	---	---	---	---	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample									

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TABLE 5D
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
MW-37	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/21/2021	---	---	---	---	---	---	---	---	---	---
	4/12/2022	Well Dry - Could Not Sample									
	8/4/2022	**0.28**	**270**	<0.10	**3.8**	**0.072 J**	<10	**2,100**	**300 H**	**331.0**	**331.0**
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.50	**330**	<0.50	**5.5**	<0.50	<10	**2,200**	**290 H**	**327.5**	**327.5**
	8/24/2023	<0.50	**330**	<0.50	**5.6**	<0.50	<10	**2,200**	**310 H**	**347.1**	**347.1**
	4/22/2024	---	---	---	---	---	---	---	---	---	---
	8/26/2024	**0.53 J**	**390**	<0.12	**5.4**	<0.20	<2.5	**2,100**	**290 HF**	**320**	**320**
MW-38	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	4/11/2022	Insufficient Water to Collect Sample									
	8/9/2022	**0.55**	**130**	<0.50	**2.0**	<0.50	<2.5	**4.0**	**570 H**	**618.6**	**618.6**
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	**0.60**	**190**	<0.50	**2.8**	<0.50	<2.5	**21**	**610 H**	**669.0**	**669.0**
	4/22/2024	---	---	---	---	---	---	---	---	---	---
	8/13/2024	**0.83**	**230**	<0.012 F1	**3.2**	**0.26**	<0.25	**45**	**650 HF**	**700**	**700**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

mg/L = Milligrams per liter

J = Result is estimated

H/HF = Sample was prepped or analyzed beyond the specified holding time

F1 = Matrix spike sample recovery exceeds control limits

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

* = Nitrate & Nitrite value is a combined result

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TABLE 5E
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-11	8/17/2021	---	---	---	---	---	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well							
	8/25/2023	**0.023**	**0.90**	<0.0020	<0.0060	**0.0065**	<0.0010	<0.0050	<0.00020
	8/14/2024	**0.032**	**1.20**	<0.0025	**0.0026 J**	**0.0200**	<0.0040	<0.0025	<0.00012
MW-12	4/28/2021	**---**	**---**	---	**---**	---	---	---	---
	8/17/2021	**0.0011**	**0.040**	<0.00050	<0.0060	<0.00050	<0.0010	<0.00050	<0.00020
	4/12/2022	---	---	---	---	---	---	---	---
	8/4/2022	**0.0010**	**0.056**	<0.0020	**0.060**	**0.00039 J**	<0.0010	<0.0050	<0.00020
	4/28/2023	**---**	**---**	---	**---**	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample							
	4/18/2024	**---**	**---**	---	**---**	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample							
MW-34	8/17/2021	**0.0022**	**0.079**	<0.0020	<0.0060	**0.00074**	<0.0010	<0.0050	<0.00020
	8/17/2021	**0.0022**	**0.082**	<0.0020	<0.0060	**0.00073**	<0.0010	<0.0050	<0.00020
	8/9/2022	**0.0017**	**0.051**	<0.0020	<0.0060	**0.00042 J**	<0.0010	<0.0050	<0.00020
	8/9/2022	**0.0017**	**0.046**	<0.0020	<0.0060	**0.00028 J**	<0.0010	<0.0050	<0.00020
	8/9/2023	Well Dry - Could Not Sample							
	8/26/2024	Well Dry - Could Not Sample							
MW-35	4/28/2021	**---**	**---**	---	---	**---**	---	**---**	---
	8/21/2021	**0.015**	**0.69**	<0.0020	<0.0060	<0.0050	<0.0050	<0.0050	<0.00020
	4/11/2022	Well Dry - Could Not Sample							
	8/9/2022	**0.0043**	**0.20**	<0.0020	<0.0060	**0.00060**	<0.0010	<0.0050	<0.00020
	4/25/2023	Insufficient Water to Collect Sample							
	8/25/2023	**0.066**	**1.5**	<0.0020	**0.019**	**0.036**	**0.0095**	<0.0050	<0.00020
	4/22/2024	**---**	**---**	---	---	**---**	---	**---**	---
	8/6/2024	Well Dry - Could Not Sample							
MW-37	4/28/2021	---	---	---	---	---	---	---	---
	8/21/2021	<0.010	**0.035**	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	4/12/2022	---	---	---	---	---	---	---	---
	8/4/2022	<0.0050	**0.041**	<0.0020	<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---
	8/24/2023	**0.0022**	**0.24**	<0.0020	<0.0060	**0.0051**	**0.0067**	**0.013**	<0.00020
	8/24/2023	**0.0020**	**0.23**	<0.0020	<0.0060	<0.0050	**0.0054**	**0.013**	<0.00020
	4/22/2024	**---**	**---**	---	---	---	**---**	**---**	---
	8/26/2024	**0.0026 J**	**0.19**	<0.0025	**0.0057**	**0.0035 J**	**0.0040 J**	<0.0050	<0.00012
MW-38	4/28/2021	---	---	---	---	---	---	---	---
	8/23/2021	<0.0050	**0.41**	<0.0020	<0.0060	<0.0025	<0.0010	<0.0050	<0.00020
	4/11/2022	Insufficient Water to Collect Sample							
	8/9/2022	**0.0014**	**0.50**	<0.0020	<0.0060	**0.00018 J**	<0.0010	<0.0050	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	8/24/2023	**0.0029**	**0.48**	<0.0020	**0.012**	**0.010**	**0.0047**	<0.0050	<0.00020
	4/22/2024	**---**	**---**	---	**---**	**---**	**---**	---	---
	8/13/2024	**0.0031 J**	**0.81**	<0.0025	**0.0093**	**0.0068**	<0.0040	<0.0025	<0.00012

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

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TABLE 5F
DOWNGRADIENT WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-11	8/17/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well															
	8/25/2023	0.020	0.93	<0.0020	140	<0.0060	<0.010	6.5	<0.010	32	2.1	2.1	<0.010	<0.0050	550	<0.010	0.18
	8/14/2024	0.026	1.30	<0.010	140	<0.010	<0.010	6.5	<0.010	36 J	1.9	3.6	<0.016	<0.010	540	<0.010	<0.49
MW-12	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2021	<0.0010	0.041	---	44	<0.0060	<0.0010	<0.020	<0.00050	6.1	0.020	<1.0	<0.0010	<0.0050	25	---	<0.010
	4/12/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	0.00073 J	0.051	< 0.0020	50	0.0065	0.00044 J	0.017 J	<0.00050	7.1	0.0082	0.42 J	<0.0010	<0.0050	25	0.00044 J	0.0093 J
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample															
	4/18/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample															
MW-34	8/17/2021	0.0018	0.072	<0.0020	130	<0.0060	<0.0010	2.4	<0.00050	22	3.2	1.4	<0.0010	<0.0050	520	---	<0.010
	8/17/2021	0.0019	0.075	<0.0020	130	<0.0060	<0.0010	2.6	<0.00050	24	3.3	1.6	<0.0010	<0.0050	530	---	<0.010
	8/9/2022	0.0020	0.048	<0.0020	160	<0.0060	<0.0010	3.6	<0.00050	28	5.3	1.3	0.00058 J	0.0030 J	640	0.0017	0.0061 J
	8/9/2022	0.0018	0.044	<0.0020	160	<0.0060	0.00039 J	2.7	0.000069 J	27	5.1	1.2	0.00061 J	0.0032 J	660	0.0018	0.0041 J
	8/9/2023	Well Dry - Could Not Sample															
	8/26/2024	Well Dry - Could Not Sample															
MW-35	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/21/2021	0.012	0.76	<0.0020	130	<0.0060	<0.0050	3.4	<0.0025	25	2.5	3.1	<0.0050	<0.0050	510	---	<0.010
	4/11/2022	Well Dry - Could Not Sample															
	8/9/2022	0.0033	0.18	<0.0020	150	<0.0060	0.00037 J	1.1	<0.00050	26	3.2	2.9	0.00044 J	0.0030 J	590	0.0017	0.0057 J
	4/25/2023	Insufficient Water to Collect Sample															
	8/25/2023	<0.010	0.17	<0.0020	160	<0.0060	<0.010	0.47	<0.010	29	2.1	3.3	<0.010	0.0051	580	<0.010	<0.020
	4/22/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample															
MW-37	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/21/2021	<0.0050	0.031	<0.0020	270	<0.0060	<0.0050	1.9	<0.0025	55	2.5	4.2	<0.0050	<0.0050	620	---	<0.010
	4/12/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	0.00076 J	0.029	<0.0020	380	<0.0060	<0.0050	0.11	<0.00050	62	3.2	4.5	<0.0050	0.0069	680	0.0026	0.0087 J
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.010	0.028	<0.0020	490	<0.0060	<0.010	0.089	0.0051	86	1.6	5.3	<0.010	0.015	830	<0.010	0.098
	8/24/2023	<0.010	0.028	<0.0020	480	<0.0060	<0.010	0.063	<0.010	84	1.6	5.1	<0.010	0.015	830	<0.010	0.30
	4/22/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/26/2024	<0.010	0.026	<0.010	420	<0.010	<0.010	0.51	<0.010	76	1.7	6.6	<0.016	<0.010	810	<0.010	0.083
MW-38	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<0.010	0.43	<0.0020	130	<0.0060	<0.010	0.54	<0.0050	21	3.4	2.1	<0.010	<0.0050	200	---	<0.010
	4/11/2022	Insufficient Water to Collect Sample															
	8/9/2022	0.0011	0.47	<0.0020	130	<0.0060	<0.0010	1.2	<0.00050	21	2.3	1.9	<0.0010	0.0035 J	210	0.0020	0.0093 J
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.010	0.42	<0.0020	140	<0.0060	<0.010	0.76	<0.010	25	2.0	3.2	<0.010	<0.0050	270	<0.010	0.038
	4/21/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/13/2024	<0.010	0.59	<0.010	150	<0.010	<0.010	1.8	<0.010	26	2.8	7.1 J	<0.016	<0.010	300	<0.010	<0.049

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 6A
RCRA WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butylbenzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1						
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200	69
**MW-50	8/11/2023	<2.0	<2.0	<2.0	<3.0	<2.0	<8.0	<8.0	<4.0	<20	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	<2.0
	8/8/2024	**0.33 J**	<0.25	<0.21	**0.37 J**	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-51	8/16/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**7.8 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/11/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/11/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/8/2024	<0.23	<0.25	<0.21	**0.38 J**	<0.39	<2.0	<2.0	<0.24	**2.5 J**	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-52	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
	8/14/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/12/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-53	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**4.8 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/12/2024	<0.23	<0.25	<0.21	<0.37	**0.51 J**	<2.0	<2.0	**0.36 J**	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
**MW-54	8/2/2022	Sheen Observed - Could Not Sample																
	8/10/2023	**4.8**	<2.0	<2.0	<3.0	**14**	<8.0	<8.0	**3.7**	<20	**7.2**	<2.0	<2.0	<2.0	<6.0	**4.4**	**2.3**	<2.0
	8/8/2024	Sheen Observed - Could Not Sample																
**MW-55	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
MW-56	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
**MW-57	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/8/2024	Sheen Observed - Could Not Sample																
**MW-58	8/1/2022	Sheen Observed - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
MW-59	8/24/2021	<1.0	<1.0	<1.0	<1.5	**1,600**	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	**3.9**	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	**850**	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	**3.4**	<1.0
	8/22/2023	<1.0	<1.0	<1.0	<1.5	**96**	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	**4.8**	<1.0
	8/9/2024	<1.1	<1.3	<1.1	<1.9	**37**	<10	<10	**1.5 J B**	<13	<0.91	<0.61	<0.91	<1.0	<0.63	<0.55	**3.5 J**	**1.2 J**
**MW-60	8/1/2022	Insufficient Water to Collect Sample																
	8/9/2023	Well Unable to be Located																
	8/5/2024	Well Unable to be Located																
**MW-61	8/24/2021	**120**	<1.0	**18**	<1.5	**3,100**	**24**	<4.0	<2.0	<10	**6.8**	**1.9**	<1.0	**1.2**	<3.0	**5.6**	**3.3**	<1.0
	8/1/2022	Well Could Not Be Accessed																
	8/9/2023	Well Abandoned																
	8/4/2024	Well Abandoned																
MW-62	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**3.0 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	**5.0**	**7.4**	**3.9**	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/14/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	**0.41 J**	<2.5	**0.20 J**	<0.12	<0.18	<0.20	<0.13	**0.26 J**	<0.14	<0.24

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TABLE 6A
RCRA WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butylbenzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1						
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200	69
MW-63	8/24/2021	<1.0	<1.0	<1.0	<1.5	**1.5**	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	**0.52 J**	<4.0	<4.0	<2.0	**6.6 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/22/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2024	<0.23	<0.25	<0.21	<0.37	**0.55 J**	<2.0	<2.0	**0.32 J**	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-64	8/24/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**8.4 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/22/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/8/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-65	8/16/2021	Well Destroyed																
	8/22/2023	**13**	<1.0	**5.9**	<1.5	**2,200**	**9.3**	<4.0	<2.0	<10	**1.9**	**2.7**	<1.0	<1.0	<3.0	**1.4**	**1.8**	<1.0
	8/9/2024	**70**	**1.1**	**6.1**	**2.0**	**1,800**	**12**	<2.0	**1.1 J**	<2.5	**3.4**	**5.8**	**0.29 J**	**0.41 J**	**1.6 J**	**4.6**	**4.4**	**0.65 J**
	8/9/2024	**68**	**1.3 J**	**5.8**	**4.0 J**	**1,800 E**	**10 J**	<10	**2.3 J B**	<13	**4.0 J**	**5.5**	**1.2 J**	**1.4 J**	**2.8 J**	**5.1**	**4.9 J**	**1.5 J**
**MW-66	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
MW-67	8/20/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	**1.2**	<4.0	<4.0	<2.0	**3.0 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/17/2023	<1.0	<1.0	<1.0	<1.5	**2.8**	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2024	<0.23	<0.25	<0.21	<0.37	**1.6**	<2.0	<2.0	**0.50 J**	<2.5	**0.20 J**	<0.12	<0.18	<0.20	<0.13	**0.27 J**	<0.14	<0.24
MW-68	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	**0.52 J**	<4.0	<4.0	<2.0	**4.5 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2024	<0.23	<0.25	<0.21	**0.61 J**	<0.39	<2.0	<2.0	**0.84 J**	<2.5	**0.22 J**	**0.26 J**	<0.18	<0.20	**0.35 J**	**0.32 J**	**0.24 J**	<0.24
**MW-69	8/1/2022	Well Dry - Could Not Sample																
	8/9/2023	Well Dry - Could Not Sample																
	8/5/2024	Well Dry - Could Not Sample																
MW-70	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	Insufficient Water to Collect Sample																
	8/9/2023	Insufficient Water to Collect Sample																
	8/9/2024	<0.23	<0.25	<0.21	<0.37	**0.60 J**	<2.0	<2.0	**0.40 J**	<2.5	**0.18 J**	<0.12	<0.18	<0.20	<0.13	**0.25 J**	<0.14	<0.24
MW-71	8/1/2022	FPP - Could Not Sample																
	8/17/2023	**16,000**	<20	**580**	**34**	**96**	<80	**91**	**370**	<200	**96**	**44**	<20	<20	**<60**	**180**	<20	<20
	8/9/2024	Sheen Observed - Could Not Sample																
MW-72	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
MW-73	8/19/2021	**2,900**	**3.6**	**70**	**5.9**	**59**	**43**	**57**	**160**	<10	**60**	<1.0	<1.0	<1.0	**6.8**	**130**	**9.4**	**1.4**
	8/1/2022	**3,700**	**3.2**	**120**	**6.3 J**	**53**	**59**	**76**	**180**	<50	**53**	**1.1 J**	<5.0	<5.0	**7.7 J**	**120**	**7.9**	<5.0
	8/9/2023	FPP - Could Not Sample																
	8/8/2024	FPP - Could Not Sample																
MW-74	8/19/2021	**5,100**	**13**	**420**	**540**	**290**	**68**	**88**	**170**	<100	**63**	**330**	**81**	<10	<30	**120**	**11**	<10
	8/1/2022	Sheen Observed - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																

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TABLE 6A
RCRA WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butylbenzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1						
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200	69
MW-75	8/18/2021	**2,400**	**11**	**14**	**6.8**	**33**	**34**	**53**	**98**	<10	**46**	<1.0	<1.0	<1.0	<3.0	**58**	**7.6**	**1.7**
	8/18/2021	**2,400**	**11**	**13**	**6.8**	**34**	**33**	**51**	**98**	<10	**45**	<1.0	<1.0	<1.0	<3.0	**58**	**7.8**	**1.7**
	8/1/2022	Sheen Observed - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/4/2024	FPP - Could Not Sample																
MW-76	8/18/2021	**8.2**	<1.0	**3.7**	<1.5	**40**	**83**	**120**	**190**	<10	**51**	**1**	<1.0	<1.0	<3.0	**58**	**8**	**1.1**
	8/1/2022	**5.9**	< 2.0	**4.7**	<3.0	**27**	**110**	**160**	**170**	**9.4 J**	**50**	**0.27 J**	<2.0	<2.0	**1.6 J**	**57**	**7.7**	**1.1 J**
	8/24/2023	<1.0	<1.0	**1.6**	<1.5	**13**	**67**	**140**	**190**	<10	**56**	**1.2**	<1.0	<1.0	**<3.0**	**66**	**8.7**	**1.2**
	8/5/2024	FPP - Could Not Sample																
MW-77	8/1/2022	FPP - Could Not Sample																
	8/9/2023	FPP - Could Not Sample																
	8/5/2024	FPP - Could Not Sample																
MW-78	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	**6.8 J**	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2023	Insufficient Water to Collect Sample																
	8/7/2024	<0.23	<0.25	**0.38 J**	**1.0 J**	<0.39	<2.0	<2.0	**0.25 J**	<2.5	<0.18	**0.28 J**	**0.41 J**	<0.20	<0.13	**0.11 J**	<0.14	<0.24

Notes:

Analytical result exceeds the respective screening level.

Field duplicate sample collected

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

B = Compound was found in the blank and sample

J = Result is estimated

E = Result exceeded calibration range

NMED = Mew Mexico Environment Department

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL - Regional Screening Level

FPP = Free Product Present

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TABLE 6B
RCRA WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
**MW-50	8/11/2023	<1.0	<0.10	<5.0
	8/8/2024	<0.067	<0.013	<0.070
MW-51	8/16/2021	<1.0	<0.050	---
	8/3/2022	**0.11**	<0.050	**0.10**
	8/11/2023	<1.0	<0.050	<5.0
	8/11/2023	<1.0	<0.050	<5.0
	8/8/2024	<0.067	<0.013	<0.070
MW-52	4/27/2023	---	---	---
	4/27/2023	---	---	---
	8/17/2023	<1.0	<0.050	<5.0
	8/12/2024	**0.084 J**	<0.013	<0.070
MW-53	8/18/2021	<1.0	<0.050	---
	8/18/2021	<1.0	<0.050	---
	8/2/2022	**0.10**	<0.050	<0.080
	8/17/2023	<1.0	<0.050	<5.0
	8/17/2023	<1.0	<0.050	<5.0
	8/9/2024	**0.10 J B**	<0.013	<0.070
**MW-54	8/2/2022	Sheen Observed - Could Not Sample		
	8/10/2023	**2.5**	**0.34**	<5.0
	8/10/2023	Sheen Observed - Could Not Sample		
	8/8/2024	Sheen Observed - Could Not Sample		
**MW-55	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-56	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
**MW-57	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/8/2024	Sheen Observed - Could Not Sample		
**MW-58	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-59	8/24/2021	<1.0	**0.060**	---
	8/3/2022	**0.50**	**0.85**	<0.080
	8/22/2023	<1.0	**0.081**	<5.0
	8/9/2024	**0.22**	**0.056**	<0.070

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TABLE 6B
RCRA WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
**MW-60	8/1/2022	Insufficient Water to Collect Sample		
	8/9/2023	Well Unable to be Located		
	8/5/2024	Well Unable to be Located		
**MW-61	8/24/2021	<1.0	**0.89**	---
	8/1/2022	Well Could Not Be Accessed		
	8/9/2023	Well Abandoned		
	8/4/2024	Well Abandoned		
MW-62	8/23/2021	<1.0	<0.050	---
	8/4/2022	**0.020 J**	<0.050	<0.080
	8/24/2023	<1.0	<0.050	<5.0
	8/14/2024	<0.067	<0.013	<0.070
MW-63	8/24/2021	<1.0	<0.050	---
	8/2/2022	---	<0.050	---
	8/22/2023	<1.0	<0.050	<5.0
	8/9/2024	**0.10 J B**	<0.013	<0.070
MW-64	8/24/2021	<1.0	<0.050	---
	8/2/2022	**0.074**	<0.050	<0.080
	8/22/2023	<1.0	<0.050	<5.0
	8/8/2024	**0.11 J B**	<0.013	<0.070
MW-65	8/16/2021	Well Destroyed		
	8/22/2023	<1.0	**2.2**	<5.0
	8/9/2024	**2.7**	**3.1**	**0.21**
	8/9/2024	**2.5 *1**	**3.1**	**0.070 J**
**MW-66	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-67	8/20/2021	<1.0	<0.050	---
	8/4/2022	**0.78**	<0.050	**0.11**
	8/17/2023	<1.0	<0.050	<5.0
	8/9/2024	**0.26 B**	<0.013	<0.070
MW-68	8/19/2021	<1.0	<0.050	---
	8/3/2022	**0.022 J**	<0.050	<0.080
	8/17/2023	<1.0	<0.050	<5.0
	8/9/2024	**0.080 J B**	<0.013	<0.070

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TABLE 6B
RCRA WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
**MW-69	8/1/2022	Well Dry - Could Not Sample		
	8/9/2023	Well Dry - Could Not Sample		
	8/5/2024	Well Dry - Could Not Sample		
MW-70	8/18/2021	<1.0	<0.050	---
	8/2/2022	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	8/9/2024	**0.19 J B**	<0.013	<0.079
MW-71	8/1/2022	FPP - Could Not Sample		
	8/17/2023	**3.0**	**41**	<5.0
	8/9/2024	Sheen Observed - Could Not Sample		
MW-72	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-73	8/19/2021	**1.7**	**14**	---
	8/1/2022	**3.3**	**16**	<0.080
	8/9/2023	FPP - Could Not Sample		
	8/8/2024	FPP - Could Not Sample		
MW-74	8/19/2021	**1.2**	**24**	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-75	8/18/2021	**1.1**	**14**	---
	8/18/2021	**1.1**	**13**	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/4/2024	FPP - Could Not Sample		
MW-76	8/18/2021	**1.5**	**1.2**	---
	8/1/2022	**2.9**	**0.74**	**0.066 J**
	8/24/2023	<1.0	**0.15**	<5.0
	8/5/2024	FPP - Could Not Sample		
MW-77	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		

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TABLE 6B
RCRA WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-78	8/3/2022	**0.054 J**	<0.050	<0.080
	8/3/2022	**0.055 J**	<0.050	<0.080
	8/9/2023	Insufficient Water to Collect Sample		
	8/7/2024	**0.072 J**	**0.014 J**	<0.070

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMED = Mew Mexico Environment Department

FPP = Free Product Present

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TABLE 6C
RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		SVOCs - EPA RSL Tap Water THQ = 0.1												
Screening Levels		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2
**MW-50	8/11/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<10	<5.0	<5.0	<10	<40
	8/8/2024	<14	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
MW-51	8/16/2021	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<20	<5.0	<5.0	<5.0	<5.0
	8/3/2022	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/11/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/11/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/8/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
MW-52	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/12/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-53	8/18/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
**MW-54	8/2/2022	Sheen Observed - Could Not Sample												
	8/10/2023	<5.0	<10	<5.0	<10	<10	<20	< 10	<10	<20	<5.0	<5.0	< 10	<40
	8/8/2024	Sheen Observed - Could Not Sample												
**MW-55	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-56	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
**MW-57	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/8/2024	Sheen Observed - Could Not Sample												
**MW-58	8/1/2022	Sheen Observed - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-59	8/24/2021	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	8/3/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/22/2023	<5.0	<10	<5.0	<10	<10	<20	< 10	<10	<20	<5.0	<5.0	< 10	<40
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13

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TABLE 6C
RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		SVOCs - EPA RSL Tap Water THQ = 0.1												
Screening Levels		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2
**MW-60	8/1/2022	Insufficient Water to Collect Sample												
	8/9/2023	Well Unable to be Located												
	8/5/2024	Well Unable to be Located												
**MW-61	8/24/2021	18	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
	8/1/2022	Well Could Not Be Accessed												
	8/9/2023	Well Abandoned												
	8/4/2024	Well Abandoned												
MW-62	8/23/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/14/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-63	8/24/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/22/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-64	8/24/2021	---	---	---	---	---	---	---	---	---	---	---	--	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/22/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-65	8/16/2021	Well Destroyed												
	8/22/2023	9.5	<10	<5.0	<10	<10	<20	<10	<10	<10	<5.0	<5.0	<10	<40
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
**MW-66	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-67	8/20/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-68	8/19/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/3/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
**MW-69	8/1/2022	Well Dry - Could Not Sample												
	8/9/2023	Well Dry - Could Not Sample												
	8/5/2024	Well Dry - Could Not Sample												

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TABLE 6C
RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		SVOCs - EPA RSL Tap Water THQ = 0.1												
Screening Levels		**11.4**	**36**	**35.1**	**93**	**0.15**	**7,500**	**5.6**	**16**	**-**	**29**	**1.17**	**580**	**2**
MW-70	8/18/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	Insufficient Water to Collect Sample												
	8/9/2023	Insufficient Water to Collect Sample												
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
MW-71	8/1/2022	FPP - Could Not Sample												
	8/17/2023	**85**	<10	**140**	<10	<10	<20	<10	<10	<10	<5.0	<5.0	**54**	<40
	8/9/2024	Sheen Observed - Could Not Sample												
MW-72	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-73	8/19/2021	**29**	<5.0	**36**	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	**85**	**65**	<5.0
	8/1/2022	<5.0	<10	**45**	<10	<10	<20	<10	<10	<20	<10	**100**	**180**	<40
	8/9/2023	FPP - Could Not Sample												
	8/8/2024	FPP - Could Not Sample												
MW-74	8/19/2021	**51**	<5.0	**66**	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	**110**	**9.1**	<5.0
	8/1/2022	Sheen Observed - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-75	8/18/2021	**24**	<5.0	**33**	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	**54**	**12**	<5.0
	8/18/2021	**24**	<5.0	**32**	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	**54**	**13**	<5.0
	8/1/2022	Sheen Observed - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/4/2024	FPP - Could Not Sample												
MW-76	8/18/2021	**56**	<5.0	**70**	<5.0	<5.0	<5.0	<10	<5.0	<10	**5.3**	**120**	<5.0	<5.0
	8/1/2022	**49**	<10	**67**	<10	<10	<20	<10	<10	<20	<10	**91**	<20	<40
	8/24/2023	**69**	<10	**110**	<10	<10	<20	<10	<10	<20	**5.9**	**110**	<10	<40
	8/5/2024	FPP - Could Not Sample												
MW-77	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-78	8/3/2022	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/3/2022	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/9/2023	Insufficient Water to Collect Sample												
	8/7/2024	<34	<19	<11	<20	<76	<61	<39	<26	<30	<19	<13	<16	<10

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TABLE 6C
RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl) phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		**SVOCs - EPA RSL Tap Water THQ = 0.1**												
Screening Levels		**11.4**	**36**	**35.1**	**93**	**0.15**	**7,500**	**5.6**	**16**	**-**	**29**	**1.17**	**580**	**2**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

SVOC - Semi-volatile organic compound

EPA = Environmental Protection Agency

RSL - Regional Screening Level

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

FPP = Free Product Present

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TABLE 6D
RCRA WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
**MW-50	8/11/2023	<0.050	7.1	<1.0*	<0.50	<1.0*	<2.5 H	81	360 H	404.6	404.6
	8/8/2024	0.20	15	<0.10	0.16	1.8	<0.50	210	320 HF	350	350
MW-51	8/16/2021	---	---	---	---	---	---	---	---	---	---
	8/3/2022	0.36	7.7	0.018 J	0.072 J	0.97	<0.50	34	300 H	324	324
	8/11/2023	0.25	12	<1.0*	<0.10	<1.0*	<0.50 H	59	330 H	366.2	366.2
	8/11/2023	<0.50	11	<1.0*	<0.50	<1.0*	<2.5 H	60	330 H	363.5	363.5
	8/8/2024	1.2	4.7	<0.10	<0.10	1.1	<0.50	98	160 HF	180	180
MW-52	4/27/2023	0.29	840	<2.0	1.8	8.1	<0.50	990	350	350	350
	8/17/2023	<0.50	1,100	33*	2.8	33*	<2.5 H	1,300	140 H	142.3	142.3
	8/12/2024	1.2	430	11*	1.4	11*	<1.3 H	980	160 HF	160	160
MW-53	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	<2.0	790	<2.0	2.5	25	<10	980	240 H	259.1	259.1
	8/17/2023	<0.50	790	<20*	2.3	<20*	<2.5 H	1,100	250 H	265.2	265.2
	8/17/2023	<0.50	780	17*	2.3	17*	<2.5 H	1,100	250 H	268.8	268.8
	8/9/2024	0.61 J	810	20*	2.0	20*	<0.25 H	1,100	250 HF	270	270
**MW-54	8/2/2022	Sheen Observed - Could Not Sample									
	8/10/2023	<0.50	810	<1.0*	1.5	<1.0*	<2.5 H	31	---	1,083	1,083
	8/8/2024	Sheen Observed - Could Not Sample									
**MW-55	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-56	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
**MW-57	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/8/2024	Sheen Observed - Could Not Sample									

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TABLE 6D
RCRA WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
**MW-58	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-59	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/3/2022	<0.10	280	0.56	5.3	27	<10	990	1,000 H	998.7	998.7
	8/22/2023	<0.50	250	0.57	4.7	53	<2.5	1,600	710 H	769.4	769.4
	8/9/2024	<0.50	160	19*	2.7	19*	<2.5 H	1,200	740 HF	740	740
**MW-60	8/1/2022	Insufficient Water to Collect Sample									
	8/9/2023	Well Unable to be Located									
	8/5/2024	Well Unable to be Located									
**MW-61	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Well Could Not Be Accessed									
	8/9/2023	Well Abandoned									
	8/4/2024	Well Abandoned									
MW-62	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/4/2022	<2.0	13	<0.10	<0.10	0.23	<10	3,500	520 H	540.1	540.1
	8/24/2023	<2.0	13	<0.10	<0.10	0.41	<10	3,700	500 H	517.7	517.7
	8/14/2024	<0.46	14	<0.12	<0.50	0.30 J	<2.5	3,700	530 HF	540	540
MW-63	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---
	8/22/2023	<0.50	160	<0.50	2.2	47	<2.5	1,200	450 H	484.6	484.6
	8/9/2024	0.15	180	39*	2.1	39*	<0.25 H	1,200	340 HF	350	350
MW-64	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.054 J	760	<2.0	2.4	38	<10	1,200	280 H	299	299
	8/22/2023	<0.50	740	<0.50	2.3	34	<2.5	1,200	230 H	249.4	249.4
	8/8/2024	0.17	400	<2.0	2.2	39	<0.50	1,000	260 HF	290	290
MW-65	8/16/2021	Well Destroyed									
	8/22/2023	<0.50	210	<0.50	3.9	<0.50	<2.5	170	990 H	1,106	1,106
	8/9/2024	<0.23	320	<0.11*	5.0	<0.11*	<1.3 H	80	1,200 HF	1,300	1,300
	8/9/2024	<0.23	320	<0.11*	5.0	<0.11*	<1.3 H	84	1,200 HF	1,300	1,300

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TABLE 6D
RCRA WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
**MW-66	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-67	8/20/2021	---	---	---	---	---	---	---	---	---	---
	8/4/2022	**0.46**	**19**	<0.10	**0.22**	**16**	<0.50	**520**	**260 H**	**275.2**	**275.2**
	8/17/2023	<0.50	**45**	**16***	<0.50	**16***	<2.5 H	**1,100**	**210 H**	**221.4**	**221.4**
	8/9/2024	**0.94**	**17**	**4.0***	**0.24**	**4.0***	<0.25 H	**390**	**170 HF**	**180**	**180**
MW-68	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	**0.34**	**24**	---	**0.12**	---	<0.50 H	**220**	**260**	**279.1**	**279.1**
	8/17/2023	<0.050	**300**	**35***	**1.4**	**35***	<2.5 H	**690**	**210 H**	**220.4**	**220.4**
	8/8/2024	**0.42**	**99**	**15***	**0.57**	**15***	<0.25 H	**370**	**130 HF**	**140**	**140**
**MW-69	8/1/2022	Well Dry - Could Not Sample									
	8/9/2023	Well Dry - Could Not Sample									
	8/5/2024	Well Dry - Could Not Sample									
MW-70	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	Insufficient Water to Collect Sample									
	8/9/2023	Insufficient Water to Collect Sample									
	8/9/2024	---	---	---	---	---	---	---	---	---	---
MW-71	8/1/2022	FPP - Could Not Sample									
	8/17/2023	**0.59**	**110**	<1.0	**2.5**	<1.0	<2.5 H	**4.5**	**1,100 H**	**1,103**	**1,103**
	8/9/2024	Sheen Observed - Could Not Sample									
MW-72	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-73	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	<0.50	**120**	---	**2.7**	---	<2.5 H	**24**	**960 H**	**1,020**	**1,020**
	8/9/2023	FPP - Could Not Sample									
	8/8/2024	FPP - Could Not Sample									

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TABLE 6D
RCRA WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
MW-74	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-75	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/4/2024	FPP - Could Not Sample									
MW-76	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	**0.48 J**	**28**	---	**0.65**	---	<2.5 H	<2.5	**850 H**	**901.6**	**901.6**
	8/24/2023	<0.50	**4.5**	<0.50	<0.50	<0.50	<2.5	<2.5	**820 H**	**803.6**	**803.6**
	8/5/2024	FPP - Could Not Sample									
MW-77	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-78	8/3/2022	**0.45 J**	**270**	<0.50	**1.1**	**35**	<2.5	**840**	270 H	**279.2**	**279.2**
	8/3/2022	**0.44 J**	**260**	<0.50	**1.1**	**35**	<2.5	**840**	270 H	**279.2**	**279.2**
	8/9/2023	Insufficient Water to Collect Sample									
	8/7/2024	---	---	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

mg/L = Milligrams per liter

J = Result is estimated

H/HF = Sample was prepped or analyzed beyond the specified holding time

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

FPP = Free Product Present

* = Nitrate & Nitrite value is a combined result

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TABLE 6E
RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
**MW-50	8/11/2023	**0.010**	**0.29**	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/8/2024	**0.0074**	**0.32**	<0.0025	<0.0025	<0.060	<0.080	<0.0025	<0.00012
MW-51	8/16/2021	**0.0072**	**0.082**		<0.0060	<0.00050	<0.0010	<0.00050	<0.00020
	8/3/2022	**0.0073**	**0.160**		<0.0060	<0.00050	**0.00081 J**	<0.0050	**0.000096 J**
	8/11/2023	**0.0064**	**0.24**	<0.0020	<0.0060	<0.0010	**0.0013**	<0.0050	<0.00020
	8/11/2023	**0.0065**	**0.24**	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/8/2024	**0.0054**	**0.083**	<0.0025	<0.0025	<0.0060	<0.0040	<0.0025	<0.00060
MW-52	4/27/2023	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---
	8/17/2023	<0.0050	**0.027**	<0.0020	<0.0060	<0.0050	**0.11**	**0.013**	<0.00020
	8/12/2024	**0.0039 J**	**0.069**	<0.0025	<0.0025	<0.012	**0.048**	<0.0025	<0.00012
MW-53	8/18/2021	<0.0050	**0.014**		<0.0060	<0.0025	**0.047**	<0.0050	<0.00020
	8/18/2021	**0.0014**	**0.015**		<0.0060	<0.00050	**0.063**	<0.0050	<0.00020
	8/2/2022	**0.0014 J**	**0.015**		<0.0060	<0.00050	**0.037**	**0.0061**	<0.00020
	8/17/2023	<0.0050	**0.086**	<0.0020	<0.0060	<0.0050	**0.039**	**0.0097**	<0.00020
	8/17/2023	**0.0037**	**0.11**	<0.0020	<0.0060	<0.0050	**0.036**	**0.0095**	<0.00020
	8/9/2024	<0.0050	<0.050	<0.0050	<0.0025	<0.060	**0.041**	<0.0025	<0.00012
**MW-54	8/2/2022	Sheen Observed - Could Not Sample							
	8/10/2023	**0.0031**	**1.7**	<0.0020	<0.0060	**0.0022**	<0.0010	<0.0050	<0.00020
	8/8/2024	Sheen Observed - Could Not Sample							
**MW-55	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							

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TABLE 6E
RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-56	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
**MW-57	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/8/2024	Sheen Observed - Could Not Sample							
**MW-58	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-59	8/24/2021	<0.010	**0.048**		<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/3/2022	**0.0011**	**0.048**		<0.0060	**0.000087 J**	**0.0026**	**0.0039 J**	<0.00020
	8/22/2023	<0.0050	**0.032**	<0.0020	<0.0060	<0.010	**0.019**	**0.012**	<0.00020
	8/9/2024	**0.012**	**0.170**	<0.0025	**0.006**	<0.012	**0.013**	<0.0025	<0.00012
**MW-60	8/1/2022	Insufficient Water to Collect Sample							
	8/9/2023	Well Unable to be Located							
	8/5/2024	Well Unable to be Located							
**MW-61	8/24/2021	**0.011**	**0.067**		<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/1/2022	Well Could Not Be Accessed							
	8/9/2023	Well Abandoned							
	8/4/2024	Well Abandoned							
MW-62	8/23/2021	<0.010	**0.010**		<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/4/2022	<0.0050	**0.0097**		<0.0060	<0.0025	<0.0050	**0.011**	<0.00020
	8/24/2023	<0.0010	**0.014**	<0.0020	<0.0060	<0.0050	<0.0050	**0.015**	<0.00020
	8/14/2024	<0.0025	**0.076**	<0.0025	**0.0027 J**	<0.012	<0.016	<0.0025	<0.00012

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TABLE 6E
RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-63	8/24/2021	<0.0050	**0.015**		<0.0060	<0.0050	**0.033**	<0.0050	<0.00020
	8/2/2022	---	---		---	---	---	---	0.00010 J
	8/22/2023	**0.0014**	**0.0092**	<0.0020	<0.0060	<0.0050	**0.026**	**0.0096**	<0.00020
	8/9/2024	**0.03**	**0.87**	<0.0050	**0.033**	<0.060	**0.032**	<0.0025	**0.00063**
MW-64	8/24/2021	<0.010	**0.014**		<0.0060	<0.0050	**0.027**	<0.0050	<0.00020
	8/2/2022	**0.0013 J**	**0.012**		<0.0060	<0.0025	**0.027**	**0.0079**	**0.000093 J**
	8/22/2023	<0.0050	**0.097**	<0.0020	<0.0060	<0.0050	**0.027**	**0.0098**	<0.00020
	8/8/2024	**0.0050**	**0.31**	<0.050	**0.015**	<0.060	<0.080	<0.0025	<0.00012
MW-65	8/16/2021	Well Destroyed							
	8/22/2023	**0.015**	**0.51**	<0.0020	<0.0060	**0.0063**	**0.0027**	<0.0050	<0.00020
	8/9/2024	**0.010**	**0.49**	<0.0025	**0.0032 J**	**0.0034 J**	<0.0040	<0.0025	<0.00012
	8/9/2024	**0.012**	**0.47**	<0.0025	<0.0025	<0.0030	<0.0040	<0.0025	<0.00012
**MW-66	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-67	8/20/2021	<0.0010	**0.019**		<0.0060	<0.00050	**0.0019**	<0.0050	<0.00020
	8/4/2022	<0.0050	**0.032**		<0.0060	<0.00050	**0.0067**	**0.0040 J**	<0.00020
	8/17/2023	**0.0012**	**0.067**	<0.0020	<0.0060	<0.0050	**0.022**	**0.0054**	<0.00020
	8/9/2024	<0.0025	<0.050	<0.0025	<0.0025	<0.060	**0.0093 B**	**<0.0050**	<0.00012
MW-68	8/19/2021	**0.011**	**0.021**		<0.0060	<0.00050	**0.0025**	<0.0050	<0.00020
	8/3/2022	**0.00078 J**	**0.031**		<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/17/2023	**0.0015**	**0.10**	<0.0020	<0.0060	<0.0050	**0.012**	**0.0084**	<0.00020
	8/8/2024	<0.0025	<0.050	<0.0025	<0.0025	<0.060	**0.019 B**	<0.0025	<0.00012

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TABLE 6E
RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
**MW-69	8/1/2022	Well Dry - Could Not Sample							
	8/9/2023	Well Dry - Could Not Sample							
	8/5/2024	Well Dry - Could Not Sample							
MW-70	8/18/2021	**0.0046**	**0.017**		<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/2/2022	Insufficient Water to Collect Sample							
	8/9/2023	Insufficient Water to Collect Sample							
	8/9/2024	---	---	---	---	---	---	---	---
MW-71	8/1/2022	FPP - Could Not Sample							
	8/17/2023	**0.016**	**2.6**	<0.0020	**0.0065**	**0.029**	**0.0044**	<0.0050	<0.00020
	8/9/2024	Sheen Observed - Could Not Sample							
MW-72	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-73	8/19/2021	<0.0050	**4.8**		<0.0060	**0.0026**	<0.0050	<0.0050	<0.00020
	8/1/2022	**0.0034**	**4.8**		<0.0060	**0.0029**	**0.00069 J**	<0.0050	<0.00020
	8/9/2023	FPP - Could Not Sample							
	8/8/2024	FPP - Could Not Sample							
MW-74	8/19/2021	<0.0050	**1.8**		<0.0060	**0.0065**	<0.0050	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							

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TABLE 6E
RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-75	8/18/2021	<0.0050	**1.3**		<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	8/18/2021	<0.0050	**1.6**		<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/4/2024	FPP - Could Not Sample							
MW-76	8/18/2021	<0.0020	**2.9**		<0.0060	**0.00064**	<0.0010	<0.0050	<0.00020
	8/1/2022	**0.0027**	**3.3**		<0.0060	**0.00047 J**	**0.00051 J**	<0.0050	<0.00020
	8/24/2023	**0.0023**	**3.0**	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/5/2024	FPP - Could Not Sample							
MW-77	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-78	8/3/2022	**0.0018**	**0.081**		**0.0039 J**	**0.0031**	**0.038**	**0.0023 J**	**0.000094 J**
	8/3/2022	**0.0032**	**0.083**		**0.0056 J**	**0.0032**	**0.035**	**0.0025 J**	**0.000097 J**
	8/9/2023	Insufficient Water to Collect Sample							
	8/7/2024	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

FPP = Free Product Present

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TABLE 6F
RCRA WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
**MW-50	8/11/2023	<0.010	0.27	<0.0020	120	<0.0060	<0.010	0.27	<0.010	23	6.0	2.5	<0.010	<0.0050	46	<0.010	<0.020
	8/8/2024	<0.010	0.30	<0.010	150	<0.010	<0.010	0.043	<0.010	26	4.7	2.6	<0.016	<0.010	53	<0.010	0.036
MW-51	8/16/2021	0.0061	0.076	<0.00050	75	<0.0060	<0.0010	<0.020	<0.00050	15	1.9	1.6	<0.0010	<0.0050	37	---	<0.010
	8/3/2022	0.0073	0.11	<0.0020	82	<0.0060	0.00094 J	0.013 J	<0.00050	16	2.6	1.9	0.0013	0.0021 J	41	0.00066	0.0063 J
	8/11/2023	<0.010	0.22	<0.0020	96	<0.0060	<0.010	0.028	<0.010	21	4.4	2.3	<0.010	<0.0050	47	<0.010	<0.020
	8/11/2023	<0.010	0.23	<0.0020	94	<0.0060	<0.010	0.027	<0.010	20	4.3	2.1	<0.010	<0.0050	49	<0.010	<0.020
	8/8/2024	<0.010	0.087	<0.010	70	<0.010	<0.010	<0.017	<0.010	13	0.69	1.2	<0.016	<0.010	29	<0.010	0.025
MW-52	4/27/2023	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	<0.010	<0.020	<0.0020	470	<0.0060	<0.010	0.044	<0.010	120	0.49	5.1	0.11	0.014	830	<0.010	0.18
	8/12/2024	<0.010	0.016 J	<0.010	170	<0.010	<0.010	0.028	<0.010	45	0.12	4.1	0.037	<0.010	410	<0.010	0.013 J
MW-53	8/18/2021	<0.0050	0.016	<0.0020	330	<0.0060	<0.0050	<0.20	<0.00050	58	0.085	5.2	0.060	<0.0050	730	---	<0.010
	8/18/2021	<0.0050	0.017	<0.0020	310	<0.0060	<0.0050	<0.020	<0.0025	57	0.066	4.8	0.059	<0.0050	740	---	<0.010
	8/2/2022	0.0013 J	0.016	<0.0020	330	<0.0060	<0.0050	0.010 J	<0.0025	56	0.032	4.3	0.046	0.0062	810	0.011	0.0084 J
	8/17/2023	<0.010	<0.020	<0.0020	360	<0.0060	<0.010	<0.020	<0.010	52	0.34	4.5	0.039	0.011	780	<0.010	0.048
	8/17/2023	<0.010	<0.020	<0.0020	350	<0.0060	<0.010	<0.020	<0.010	51	0.33	4.6	0.031	0.011	790	0.011	0.022
	8/9/2024	<0.010	0.016 J	<0.010	330	<0.010	<0.010	<0.17	<0.010	55	0.43	6.4	0.033	<0.010	720	0.011 J	0.15 J
**MW-54	8/2/2022	Sheen Observed - Could Not Sample															
	8/10/2023	<0.010	1.7	<0.0020	130		<0.010	2.8	<0.010	38	2.4	5.8	<0.010	<0.0050	870	<0.010	<0.020
	8/8/2024	Sheen Observed - Could Not Sample															
**MW-55	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-56	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
**MW-57	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/8/2024	Sheen Observed - Could Not Sample															
**MW-58	8/1/2022	Sheen Observed - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-59	8/24/2021	<0.020	0.045	<0.0020	210	<0.0060	<0.020	0.15	<0.010	71	0.72	4.1	<0.020	<0.0050	480	0.019	<0.010
	8/3/2022	0.00064 J	0.045	<0.0020	300	<0.0060	0.0011	0.019 J	<0.00050	110	0.77	4.5	0.0033 J	0.0062	630	0.030	0.0057 J
	8/22/2023	<0.010	0.030	<0.0020	420	<0.0060	<0.010	<0.020	<0.010	150	1.1	5.2	0.015	0.014	670	0.026	<0.020
	8/9/2024	<0.010	0.024	<0.010	270	<0.010	<0.010	<0.17	<0.010	99	0.87	6.3	<0.016	<0.010	540	0.026	0.20
**MW-60	8/1/2022	Insufficient Water to Collect Sample															
	8/9/2023	Well Unable to be Located															
	8/5/2024	Well Unable to be Located															
**MW-61	8/24/2021	<0.020	0.057	<0.0020	210	<0.0060	<0.020	7.4	<0.010	72	1.9	2.8	<0.020	<0.0050	570	<0.010	<0.010
	8/1/2022	Well Could Not Be Accessed															
	8/9/2023	Well Abandoned															
	8/4/2024	Well Abandoned															
MW-62	8/23/2021	<0.010	0.011	<0.0020	420	<0.0060	<0.010	<0.020	<0.0050	38	1.1	10	<0.010	<0.0050	1,400	---	<0.010
	8/4/2022	<0.0050	0.0093	<0.0020	440	<0.0060	<0.0050	0.021	<0.0025	39	1.0	8.8	<0.0050	0.0087	1,500	0.0042	0.0056 J
	8/24/2023	<0.010	<0.020	<0.0020	470	<0.0060	<0.010	0.028	<0.010	42	1.5	9.7	<0.010	0.015	1,400	<0.010	<0.020
	8/14/2024	<0.010	0.011 J	<0.010	430	<0.010	<0.010	0.023	<0.010	39	0.89	12	<0.016	<0.010	1,600	<0.010	0.25
MW-63	8/24/2021	<0.020	0.015	<0.0020	480	<0.0060	<0.020	<0.020	<0.010	180	0.42	5.4	0.030	<0.0050	570	0.049	<0.010
	8/2/2022	0.0014 J	0.015	<0.0020	530	<0.0060	0.0023 J	0.027	<0.0025	170	0.017	5.2	0.042	0.010	690	0.033	0.012
	8/22/2023	<0.010	<0.020	<0.0020	300	<0.0060	<0.010	<0.020	<0.010	80	0.0067	3.8	0.024	0.0092	540	0.025	<0.020
	8/9/2024	0.024	<0.010	<0.010	270	<0.010	<0.010	<0.017	<0.010	76	0.0450	5.3	0.022	<0.010	480	0.023	0.060

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TABLE 6F
RCRA WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-64	8/24/2021	<0.020	**0.015**	<0.0020	**370**	<0.0060	<0.020	<0.0060	<0.010	**63**	<0.0020	**4.3**	<0.020	**0.0055**	**630**	**0.013**	<0.010
	8/2/2022	**0.0019 J**	<0.020	**0.012 J**	**140**	<0.0060	<0.0050	**0.15 J**	<0.0025	**45**	**12**	**2.4 J**	**0.025**	<0.050	**30**	**0.010**	**2.4**
	8/22/2023	<0.010	<0.020	<0.0020	**380**	<0.0060	<0.010	**0.033**	<0.010	**57**	<0.0020	**4.3**	**0.026**	**0.012**	**800**	<0.010	**0.20**
	8/8/2024	<0.010	**0.024**	<0.010	**290**	<0.010	<0.010	**2.5**	<0.010	**43**	**0.090**	**4.9**	**0.022**	<0.010	**560**	**0.011 J**	**0.016 J**
MW-65	8/16/2021	Well Destroyed															
	8/22/2023	<0.010	**0.16**	<0.0020	**160**	<0.0060	<0.010	**8.9**	<0.010	**76**	**1.9**	**3.2**	<0.010	<0.0050	**560**	<0.010	**0.027**
	8/9/2024	<0.010	**0.30**	<0.010	**170**	<0.010	<0.010	**7.0**	<0.010	**80**	**1.6**	**4.9**	<0.016	<0.010	**530**	<0.010	<0.049
	8/9/2024	<0.010	**0.32**	<0.010	**160**	<0.010	<0.010	**6.8**	<0.010	**77**	**1.6**	**5.0**	<0.016	<0.010	**490**	<0.010	**0.10 J**
**MW-66	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-67	8/20/2021	<0.0010	**0.017**	<0.0020	**410**	<0.0060	<0.0010	<0.020	<0.00050	**99**	**0.97**	**4.6**	**0.0014**	<0.0050	**470**	---	<0.010
	8/4/2022	**0.00039 J**	**0.031**	<0.0020	**200**	<0.0060	**0.0010**	<0.020	<0.00050	**50**	**0.13**	**3.2**	**0.0077**	**0.0037 J**	**220**	**0.0088**	**0.0036 J**
	8/17/2023	<0.010	**0.028**	<0.0020	**280**	<0.0060	<0.010	**0.58**	<0.010	**69**	**0.26**	**3.9**	**0.012**	**0.0082**	**260**	<0.010	**0.10**
	8/9/2024	<0.010	**0.027**	<0.010	**110**	<0.010	<0.010	<0.17	<0.010	**26**	**0.08**	**3.6**	<0.016	<0.010	**85**	<0.010	<0.049
MW-68	8/19/2021	<0.0010	**0.021**	<0.0020	**66**	<0.0060	**0.0011**	<0.020	<0.00050	**15**	**0.010**	**2.3**	**0.0019**	<0.0050	**100**	---	<0.010
	8/3/2022	**0.00087 J**	**0.030**	<0.0020	**110**	<0.0060	**0.0015**	<0.020	<0.00050	**25**	**0.0088**	**2.3**	**0.0020**	**0.0015 J**	**96**	**0.0055**	0.0056
	8/17/2023	<0.010	**0.075**	<0.0020	**330**	<0.0060	<0.010	<0.020	<0.010	**71**	<0.0020	**4.2**	**0.024**	**0.010**	**170**	<0.010	**0.083**
	8/8/2024	<0.010	**0.040**	<0.010	**120**	<0.010	<0.010	<0.17	<0.010	**35**	**0.0034 J**	**7.8 J**	<0.016	<0.010	**150**	<0.010	<0.049
**MW-69	8/1/2022	Well Dry - Could Not Sample															
	8/9/2023	Well Dry - Could Not Sample															
	8/5/2024	Well Dry - Could Not Sample															
MW-70	8/18/2021	<0.0050	**0.016**	<0.0020	**550**	<0.0060	<0.0010	**6.2**	<0.0025	**150**	**1.6**	**3.7**	<0.0050	<0.0050	**570**	**---**	<0.010
	8/2/2022	Insufficient Water to Collect Sample															
	8/9/2023	Insufficient Water to Collect Sample															
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-71	8/1/2022	FPP - Could Not Sample															
	8/17/2023	<0.010	**2.5**	<0.0020	**91**	<0.0060	<0.010	**10**	**0.010**	**65**	**3.0**	**3.4**	<0.010	<0.0050	**380**	<0.010	**0.036**
	8/9/2024	Sheen Observed - Could Not Sample															
MW-72	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-73	8/19/2021	**0.0023**	**5.5**	<0.0020	**92**	<0.0060	<0.0010	**11**	**0.0014**	**45**	**0.59**	**5.2**	<0.0010	<0.0050	**400**	**---**	<0.010
	8/1/2022	**0.0021**	**4.7**	<0.0020	**93**	<0.0060	<0.0010	**7**	**0.00076**	**45**	**0.48**	**4.9**	**0.00072 J**	<0.0050	**390**	<0.00050	**0.0061 J**
	8/9/2023	FPP - Could Not Sample															
	8/8/2024	FPP - Could Not Sample															
MW-74	8/19/2021	**0.0018**	**2.0**	<0.0020	**180**	<0.0060	<0.0010	**7.6**	**0.0046**	**56**	**4.6**	**5.6**	<0.0010	<0.0050	**450**	**---**	<0.010
	8/1/2022	Sheen Observed - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-75	8/18/2021	**0.0029**	**1.7**	<0.0020	**120**	<0.0060	<0.0010	**6.4**	<0.00050	**41**	**2.2**	<5.0	<0.0010	<0.0050	**530**	**---**	<0.010
	8/18/2021	**0.0030**	**1.7**	<0.0020	**95**	<0.0060	<0.0010	**6.2**	<0.00050	**33**	**2.3**	**2.7**	<0.0010	<0.0050	**530**	**---**	<0.010
	8/1/2022	Sheen Observed - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/4/2024	FPP - Could Not Sample															
MW-76	8/18/2021	**0.0017**	**2.8**	<0.0020	**69**	<0.0060	<0.0010	**7.4**	<0.00050	**50**	**1.8**	**3.0**	<0.0010	<0.0050	**300**	---	<0.010
	8/1/2022	**0.0022**	**3.0**	<0.0020	**65**	<0.0060	**0.00096 J**	**8.0**	**0.00027 J**	**49**	**1.5**	**2.7**	**0.00041 J**	<0.0050	**260**	**0.00011 J**	**0.0065 J**
	8/24/2023	<0.010	**3.3**	<0.0020	**96**	<0.0060	<0.010	**9.9**	<0.010	**81**	**2.1**	**2.6**	<0.010	<0.0050	**140**	<0.010	<0.020
	8/5/2024	FPP - Could Not Sample															
MW-77	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															

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TABLE 6F
RCRA WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-78	8/3/2022	**0.00092 J**	**0.021**	<0.0020	**240**	<0.0060	**0.0015**	<0.020	<0.00050	**50**	**0.053**	**4.1**	**0.047**	**0.0052**	**350**	**0.010**	**0.0040 J**
	8/3/2022	**0.00081 J**	**0.021**	<0.0020	**240**	<0.0060	**0.0017**	<0.020	<0.00050	**51**	**0.055**	**4.2**	**0.040**	**0.0048**	**360**	**0.010**	**0.0051 J**
	8/9/2023	Insufficient Water to Collect Sample															
	8/7/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

FPP = Free Product Present

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TABLE 7A
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		**NMAC 20.6.2**					**NMED Soil Screening Guidance Table A-1 (Tap Water)**				**EPA RSL Tap Water THQ = 0.1**		
Screening Levels		**5**	**1,000**	**700**	**620**	**100**	**11.4**	**35.1**	**1.17**	**447**	**66**	**200**	**69**
CW 0+60	4/27/2021	<1.0	<1.0	**2.3**	<1.5	**1.8**	---	---	---	---	---	---	---
	8/19/2021	<2.0	<2.0	<2.0	<1.5	<2.0	**21**	**37**	**110**	**110**	**110**	**17**	**3.2**
	4/13/2022	**0.72 J**	<1.0	**2.7**	**0.60 J**	**1.6**	**23**	**46**	**130**	**130**	**110**	**18**	**4.0**
	8/4/2022	**0.74 J**	<1.0	**0.99 J**	**0.94 J**	**0.91 J**	**30**	**51**	**160**	**130**	**120**	**20**	**4.1**
	5/10/2023	**0.50 J**	<2.0	**1.5 J**	<3.0	**1.0 J**	---	---	---	---	---	---	---
	8/9/2023	Not Sampled											
	4/22/2024	**3.0**	<2.0	<2.0	<3.0	**5.2**	---	---	---	---	---	---	---
	4/22/2024	**3.0**	<2.0	<2.0	<3.0	**5.4**	---	---	---	---	---	---	---
	8/27/2024	**1.7 J**	<1.3	**1.2 J**	<1.9	**3.0 J**	**29**	**49**	**180**	**140**	**100**	**17**	**3.8**
CW 25+95	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	**0.41 J**	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	**1.2**	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/27/2023	<1.0	<1.0	<1.0	<1.0	**1.1**	---	---	---	---	---	---	---
	8/10/2023	<1.0	<1.0	<1.0	<1.0	**2.3**	---	---	---	---	---	---	---
	4/18/2024	<1.0	<1.0	<1.0	<1.0	**4.3**	---	---	---	---	---	---	---
	8/13/2024	<0.23	<0.25	<0.21	**0.37 J**	<0.39	---	---	---	---	---	---	---
OW 0+60	4/11/2022	Insufficient Water to Collect Sample											
	8/4/2022	<1.0	<1.0	<1.0	<1.5	**0.50 J**	<4.0	<4.0	**0.88 J**	<1.0	<1.0	<1.0	**0.26 J**
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/8/2024	Insufficient Water to Collect Sample											
OW 1+50	4/11/2022	Insufficient Water to Collect Sample											
	8/4/2022	Insufficient Water to Collect Sample											
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/13/2024	Insufficient Water to Collect Sample											

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TABLE 7A
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		**NMAC 20.6.2**					**NMED Soil Screening Guidance Table A-1 (Tap Water)**				**EPA RSL Tap Water THQ = 0.1**		
Screening Levels		**5**	**1,000**	**700**	**620**	**100**	**11.4**	**35.1**	**1.17**	**447**	**66**	**200**	**69**
OW 3+85	4/13/2022	Sheen Observed - Could Not Sample											
	8/4/2022	Sheen Observed - Could Not Sample											
	4/26/2023	<5.0	<5.0	<5.0	<10	**7.9**	---	---	---	---	---	---	---
	8/10/2023	<20	<20	<20	<30	<20	---	---	---	---	---	---	---
	4/17/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/12/2024	<1.1	<1.3	<1.1	<1.9	<2.0	---	---	---	---	---	---	---
OW 5+50	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/7/2024	Insufficient Water to Collect Sample											
OW 6+70	4/11/2022	Insufficient Water to Collect Sample											
	8/4/2022	Well Dry - Could Not Sample											
OW 6+70	4/24/2023	Well Dry - Could Not Sample											
	8/9/2023	Well Dry - Could Not Sample											
	4/16/2024	Well Dry - Could Not Sample											
	8/7/2024	Well Dry - Could Not Sample											
OW 8+10	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/26/2023	< 1.0	< 1.0	< 1.0	< 1.5	<1.0	---	---	---	---	---	---	---
	8/9/2023	Well Inaccessible											
	4/16/2024	Well Dry - Could Not Sample											
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	---	---	---	---	---	---	---
OW 11+15	4/11/2022	Sheen Observed - Could Not Sample											
	8/4/2022	Sheen Observed - Could Not Sample											
	4/26/2023	**1,400**	<5.0	**7.0**	<7.5	**85**	---	---	---	---	---	---	---
	8/24/2023	**1,600**	<5.0	**5.9**	<7.5	**85**	---	---	---	---	---	---	---

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TABLE 7A
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)				EPA RSL Tap Water THQ = 0.1		
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	447	66	200	69
OW 11+15	4/18/2024	**350**	<5.0	<5.0	<7.5	**60**	---	---	---	---	---	---	---
	4/18/2024	**370**	<5.0	<5.0	<7.5	**55**	---	---	---	---	---	---	---
	8/12/2024	**340**	**1.5 J**	**2.9 J**	<1.9	**57**	---	---	---	---	---	---	---
	8/12/2024	**280**	**1.3 J**	**2.6 J**	<1.9	**53**	---	---	---	---	---	---	---
OW 14+10	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/24/2023	Well Dry - Could Not Sample											
	8/9/2023	Well Dry - Could Not Sample											
	4/16/2024	Well Dry - Could Not Sample											
	8/7/2024	Well Dry - Could Not Sample											
OW 16+60	4/27/2021	<5.0	<5.0	<5.0	<7.5	**240**	---	---	---	---	---	---	---
	8/19/2021	---	---	---	---	---	---	---	---	---	---	---	---
	4/13/2022	Insufficient Water to Collect Sample											
	8/4/2022	<1.0	<1.0	<1.0	**0.85 J**	**370**	<4.0	<4.0	**1.4 J**	**4.7**	**0.62 J**	**5.9**	**2.3**
	4/26/2023	<1.0	<1.0	<1.0	<1.5	**340**	---	---	---	---	---	---	---
	8/10/2023	<1.0	<1.0	<1.0	<1.5	**310**	---	---	---	---	---	---	---
	4/18/2024	<2.0	<2.0	<2.0	<3.0	**210**	---	---	---	---	---	---	---
	8/13/2024	<1.1	<1.3	<1.1	**2.1 J**	**270**	---	---	---	---	---	---	---
OW 19+50	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/7/2024	Insufficient Water to Collect Sample											
OW 22+00	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/19/2021	---	---	---	---	---	---	---	---	---	---	---	---
	4/13/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	**1.0**	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/26/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/9/2023	Insufficient Water to Collect Sample											
	4/17/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	---	---	---	---	---	---	---

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TABLE 7A
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		**NMAC 20.6.2**					**NMED Soil Screening Guidance Table A-1 (Tap Water)**				**EPA RSL Tap Water THQ = 0.1**		
Screening Levels		**5**	**1,000**	**700**	**620**	**100**	**11.4**	**35.1**	**1.17**	**447**	**66**	**200**	**69**
OW 23+10	4/13/2022	Insufficient Water to Collect Sample											
	8/3/2022	<1.0	<1.0	<1.0	**0.63 J**	**0.62 J**	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/26/2023	<1.0	<1.0	<1.0	<1.0	<1.5	---	---	---	---	---	---	---
	8/10/2023	<1.0	<1.0	<1.0	<1.0	<1.5	---	---	---	---	---	---	---
	4/17/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	---	---	---	---	---	---	---
OW 23+90	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	---	---	---	---	---	---	---
OW 25+70	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/26/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample											
	4/18/2024	<1.0	<1.0	<1.0	<1.5	**1.2**	---	---	---	---	---	---	---
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

NMED = Mew Mexico Environment Department

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL = Regional Screening Level

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TABLE 7B
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
CW 0+60	4/27/2021	**1.7**	**3.4**	<0.61
	8/19/2021	**1.4**	---	---
	4/13/2022	**2.5**	---	<0.080
	8/4/2022	**2.6**	**1.9**	<0.080
	5/10/2023	**1.1**	**2.6**	<5.0
	8/9/2023	Not Sampled		
	4/22/2024	**3.2**	---	<0.23
	4/22/2024	**2.8**	---	<0.23
	8/27/2024	**3.5 *1**	---	<0.070
CW 25+95	4/27/2021	<0.085	**0.34**	<0.60
	8/19/2021	<1.0	**---**	---
	4/13/2022	**0.071**	**---**	<0.080
	8/3/2022	**1.1**	**0.096**	**0.73**
	4/27/2023	<1.0	<0.050	<5.0
	8/10/2023	<1.0	**0.13**	<5.0
	4/18/2024	<0.43	---	<0.23
	8/13/2024	**0.073 J *1**	---	<0.070
OW 0+60	4/11/2022	Insufficient Water to Collect Sample		
	8/4/2022	**1.1**	**0.082**	**0.095**
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/8/2024	Insufficient Water to Collect Sample		
OW 1+50	4/11/2022	Insufficient Water to Collect Sample		
	8/4/2022	Insufficient Water to Collect Sample		
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/13/2024	Insufficient Water to Collect Sample		
OW 3+85	4/13/2022	Sheen Observed - Could Not Sample		
	8/4/2022	Sheen Observed - Could Not Sample		
	4/26/2023	**43**	**4.7**	<5.0
	8/10/2023	**140**	**17**	<15
	4/17/2024	**33**	**5.1**	**4.5**
	8/12/2024	**11 J**	**2.0**	<7.0

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TABLE 7B
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
OW 5+50	4/11/2022	Well Dry - Could Not Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/7/2024	Insufficient Water to Collect Sample		
OW 6+70	4/11/2022	Insufficient Water to Collect Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/24/2023	Well Dry - Could Not Sample		
	8/9/2023	Well Dry - Could Not Sample		
	4/16/2024	Well Dry - Could Not Sample		
	8/7/2024	Well Dry - Could Not Sample		
OW 8+10	4/11/2022	Well Dry - Could Not Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/26/2023	<1.0	<0.050	<5.0
	8/9/2023	Well Inaccessible		
	4/16/2024	Well Dry - Could Not Sample		
	8/7/2024	**0.35**	<0.013	<0.070
OW 11+15	4/11/2022	Sheen Observed - Could Not Sample		
	8/4/2022	Sheen Observed - Could Not Sample		
	4/26/2023	**68**	**5.1**	<50
	8/24/2023	**14**	**5.3**	<5.0
	4/16/2024	**10**	**2.6**	**0.41**
	4/16/2024	**19**	**2.0**	<2.3
	8/12/2024	**20**	**2.2**	<7.0
	8/12/2024	**35**	**2.0**	<7.0
OW 14+10	4/11/2022	Well Dry - Could Not Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/24/2023	Well Dry - Could Not Sample		
	8/9/2023	Well Dry - Could Not Sample		
	4/16/2024	Well Dry - Could Not Sample		
	8/7/2024	Well Dry - Could Not Sample		
OW 16+60	4/27/2021	**3.3**	**0.96**	<0.60
	8/19/2021	---	---	---
	4/13/2022	Insufficient Water to Collect Sample		
	8/4/2022	**3.7**	**0.81**	**0.16**
	4/26/2023	**10**	**0.75**	<5.0

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TABLE 7B
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
OW 16+60	8/10/2023	**7.4**	**0.79**	<5.0
	4/18/2024	**2.8**	**0.66**	<0.23
	8/13/2024	**3.1 *1**	**0.75**	**0.13**
OW 19+50	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/7/2024	Insufficient Water to Collect Sample		
OW 22+00	4/27/2021	<0.050	**0.14**	<0.68
	8/19/2021	---	---	---
	4/13/2022	**0.1**	<0.050	<0.080
	8/3/2022	**0.14**	<0.050	<0.080
	4/26/2023	<1.0	<0.050	<5.0
	8/9/2023	Insufficient Water to Collect Sample		
	4/17/2024	<0.43	<0.050	<0.23
	8/7/2024	**0.12 J**	<0.013	<0.070
OW 23+10	4/13/2022	Insufficient Water to Collect Sample		
	8/3/2022	**1.4**	**0.11**	**0.16**
	4/26/2023	**2.5**	<0.050	<5.0
	8/10/2023	<1.0	<0.050	<5.0
	4/17/2024	<0.43	<0.050	<0.23
	8/7/2024	**0.39**	<0.013	**0.10**
OW 23+90	4/11/2022	Well Dry - Could Not Sample		
	8/1/2022	Well Dry - Could Not Sample		
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/7/2024	**0.20**	<0.013	<0.070
OW 25+70	4/27/2021	<0.091	**0.22**	<0.64
	8/19/2021	<1.0	**0.099**	---
	4/13/2022	**0.072**	**0.073**	<0.080
	8/3/2022	**0.064 J**	**0.030**	<0.080
	4/26/2023	<1.0	<0.050	<5.0
	8/9/2023	Well Dry - Could Not Sample		
	4/18/2024	<0.43	<0.050	<0.23
	8/7/2024	**0.075 J**	<0.013	<0.070

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TABLE 7B
COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

mg/L = Milligrams per liter

J = Result is estimated

*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

NMED = Mew Mexico Environment Department

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TABLE 8A
OUTFALLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		**NMAC 20.6.2**				
Screening Levels		**5**	**1,000**	**700**	**620**	**100**
East Outfall #2	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/26/2023	Dry				
	8/9/2023	Dry				
	4/16/2024	Dry				
	8/8/2024	Dry				
East Outfall #3	4/26/2023	Dry				
	8/9/2023	Dry				
	4/16/2024	Dry				
	8/8/2024	Dry				

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

< = Result is below laboratory method detection limit

µg/L = micrograms per liter

NMAC = New Mexico Administrative Code

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TABLE 8B
OUTFALLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		**Anions - NMAC 20.6.2**									
Screening Levels		**1.6**	**250**	**1**	**-**	**10**	**-**	**600**	**-**	**-**	**-**
East Outfall #2	4/27/2021	**0.48**	**17**	<0.10	<0.10	**1.3**	<0.50	**170**	---	**298.4**	**298.4**
	4/26/2023	Dry									
	8/9/2023	Dry									
	4/16/2024	Dry									
	8/8/2024	Dry									
East Outfall #3	4/26/2023	Dry									
	8/9/2023	Dry									
	4/16/2024	Dry									
	8/8/2024	Dry									

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 8C
OUTFALLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		**Total Metals - NMAC 20.6.2**						
Screening Levels		**0.01**	**2.0**	**0.05**	**0.015**	**0.05**	**0.05**	**0.002**
East Outfall #2	4/27/2021	**0.0011**	**0.050**	<0.0060	<0.00050	**0.0051**	<0.0050	<0.00020
	4/26/2023	Dry						
	8/9/2023	Dry						
	4/16/2024	Dry						
	8/8/2024	Dry						
East Outfall #3	4/26/2023	Dry						
	8/9/2023	Dry						
	4/16/2024	Dry						
	8/8/2024	Dry						

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

ENSOLUM

TABLE 8D
OUTFALLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Calcium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		**Dissolved Metals - NMAC 20.6.2**													
Screening Levels		**0.01**	**2.0**	**-**	**1**	**1**	**0.015**	**-**	**0.2**	**-**	**0.05**	**0.05**	**-**	**0.03**	**10**
East Outfall #2	4/27/2021	**0.0011**	**0.049**	**95**	**0.0017**	<0.020	<0.00050	**21**	<0.0020	**1.8**	**0.0047**	<0.0050	**82**	**0.0038**	<0.010
	4/26/2023	Dry													
	8/9/2023	Dry													
	4/16/2024	Dry													
	8/8/2024	Dry													
East Outfall #3	4/26/2023	Dry													
	8/9/2023	Dry													
	4/16/2024	Dry													
	8/8/2024	Dry													

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 9A
SEEPS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		NMAC 20.6.2				
Screening Levels		5	1,000	700	620	100
Seep #1	4/26/2023	Dry				
	8/24/2023	Dry				
	4/16/2024	Dry				
	8/5/2024	Dry				
Seep #2	4/26/2023	Dry				
	8/24/2023	Dry				
	4/16/2024	Dry				
	8/5/2024	Dry				
Seep #3	4/26/2023	Dry				
	8/24/2023	Dry				
	4/16/2024	Dry				
	8/5/2024	Dry				
Seep #5	4/26/2023	Dry				
	8/24/2023	Dry				
	4/16/2024	Dry				
	8/5/2024	Dry				
Seep #6	8/14/2023	---	---	---	---	---
	4/14/2024	---	---	---	---	---
	8/5/2024	---	---	---	---	---
Seep #9	4/14/2024	---	---	---	---	---
	8/5/2024	---	---	---	---	---
Jungle Seep	8/14/2024	<0.23	<0.25	<0.21	<0.37	<0.39

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

NMAC = New Mexico Administrative Code

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TABLE 9B
SEEPS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		**Anions - NMAC 20.6.2**									
Screening Levels		**1.6**	**250**	**1.0**	**-**	**10**	**-**	**600**	**-**	**-**	**-**
Seep #1	4/26/2023	Dry									
	8/24/2023	Dry									
	4/16/2024	Dry									
	8/5/2024	Dry									
Seep #2	4/26/2023	Dry									
	8/24/2023	Dry									
	4/16/2024	Dry									
	8/5/2024	Dry									
Seep #3	4/26/2023	Dry									
	8/24/2023	Dry									
	4/16/2024	Dry									
	8/5/2024	Dry									
Seep #5	4/26/2023	Dry									
	8/24/2023	Dry									
	4/16/2024	Dry									
	8/5/2024	Dry									
Seep #6	8/14/2023	---	---	---	---	---	---	---	---	---	---
	4/14/2024	---	---	---	---	---	---	---	---	---	---
	8/5/2024	---	---	---	---	---	---	---	---	---	---
Seep #9	4/14/2024	---	---	---	---	---	---	---	---	---	---
	8/5/2024	---	---	---	---	---	---	---	---	---	---
Jungle Seep	8/14/2024	**0.48**	**4.1**	<0.10	<0.10	**0.039 J**	<0.50	**80**	---	**150**	**150**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

J = Result is estimated

ENSOLUM

TABLE 10A
SAN JUAN RIVER ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		**NMAC 20.6.2**				
Screening Levels		**5**	**1,000**	**700**	**620**	**100**
Upstream	8/25/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
	8/15/2024	<0.23	<0.25	<0.21	<0.37	**0.69 J**
North of MW-45	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/23/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
	8/15/2024	<0.23	<0.25	<0.21	<0.37	**0.55 J**
North of MW-46	4/29/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
	8/15/2024	<0.23	<0.25	<0.21	<0.37	**0.48 J**
	8/15/2024	<0.23	<0.25	<0.21	<0.37	**0.40 J**
Downstream	4/29/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
	8/15/2024	<0.23	<0.25	<0.21	<0.37	**0.42 J**

ENSOLUM

TABLE 10A
SAN JUAN RIVER ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		NMAC 20.6.2				
Screening Levels		5	1,000	700	620	100

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

< = Result is below laboratory method detection limit

µg/L = micrograms per liter

J = Result is estimated

NMAC = New Mexico Administrative Code

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TABLE 10B
SAN JUAN RIVER ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
Upstream	8/25/2021	<1.0	<0.050	---
	4/14/2022	**0**	<0.050	<0.080
	8/9/2022	**0.040 J**	<0.10	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/9/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.44	<0.050	<0.23
	8/15/2024	<0.067	<0.013	<0.070
North of MW-45	8/25/2021	<1.0	<0.050	---
	4/14/2022	**0.033 J**	<0.050	<0.080
	8/3/2022	**0.031 J**	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/23/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/15/2024	<0.067	<0.013	<0.070
North of MW-46	8/21/2021	<1.0	<0.050	---
	4/14/2022	**0.027 J**	<0.050	<0.080
	8/4/2022	**0.023 J**	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/25/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/15/2024	**0.087 J**	<0.013	<0.070
	8/15/2024	**0.072 J**	<0.013	<0.070
Downstream	8/21/2021	<1.0	<0.050	---
	4/14/2022	**0.026 J**	<0.050	<0.080
	8/4/2022	**0.058 J**	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/25/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/15/2024	**0.094 J**	<0.013	<0.070

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory reporting limit exceeds screening level

ENSOLUM

TABLE 10B
SAN JUAN RIVER ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMED = Mew Mexico Environment Department

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TABLE 10C
SAN JUAN RIVER ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)
Screening Source		Anions - NMAC 20.6.2								
Screening Levels		2	250	1	-	10	-	600	-	-
Upstream	8/25/2021	<0.50	**3.3**	<1.0	<0.50	<1.0	<2.5	**47**	---	**84.36**
	4/14/2022	<0.50	**3.6**	---	<0.50	---	<2.5 H	**64**	---	**84.68**
	8/9/2022	**0.42 J**	**4.1**	<0.50	<0.50	**0.16 J**	<2.5	**130**	---	**107.6**
	4/28/2023	<0.50	**4.0**	<0.50 H	<0.50	<0.50 H	<2.5 H	**69**	---	**92.80**
	8/9/2023	<0.50	**3.8**	<1.0	<0.50	<1.0	<2.5 H	**69**	---	**89.52**
	4/22/2024	**0.17**	**3.3**	<0.10	<0.10	<0.10	<0.50	**80**	---	**92.00**
	8/15/2024	<0.23	**3.1**	<0.058	<0.25	<0.10	<1.3	**34**	---	**81.00**
North of MW-45	4/27/2021	**0.18**	**3.0**	<0.10	<0.10	<0.10	<0.50	**55**	---	**86.56**
	8/25/2021	<0.50	**3.4**	<1.0	<0.50	<1.0	<2.5	**48**	---	**84.20**
	4/14/2022	<0.50	**3.6**	---	<0.50	---	<2.5 H	**63**	---	**85.04**
	8/3/2022	<0.50	**3.7**	<0.50	<0.50	<0.50	<2.5	**72**	**87**	**95.24**
	4/28/2023	<0.50	**4.0**	<0.50 H	<0.50	0.76 H	<2.5 H	**69**	---	**90.32**
	8/23/2023	<0.50	**3.6**	<0.50	<0.50	<0.50	<2.5 H	**47**	---	**86.92**
	4/22/2024	**0.18**	**3.8**	<0.10	<0.10	<0.10	<0.50	**100**	---	**97.00**
	8/15/2024	<0.23	**3.0**	<0.058	<0.25	<0.10	<1.3	**34**	---	**82.00**
North of MW-46	4/29/2021	---	**---**	<0.50	---	<0.50	---	**---**	---	**85.68**
	8/21/2021	<0.50	**3.5**	<1.0	<0.50	<1.0	<2.5	**45**	---	**85.12**
	4/14/2022	<0.50	**4.7**	---	<0.50	---	<2.5 H	**70**	---	**86.60**
	8/4/2022	<0.50 H	**3.6**	---	<0.50	---	<2.5 H	**73**	---	**95.72**
	4/28/2023	<0.50	**4.1**	<0.50 H	<0.50	<0.50 H	<2.5 H	**75**	---	**94.68**
	8/25/2023	<0.50	**3.8**	<0.50	<0.50	<0.50	<2.5 H	**70**	---	**88.44**
	4/22/2024	**0.18**	**3.4**	<0.10	<0.10	<0.10	<0.50	**79**	---	**91.00**
	8/15/2024	<0.23	**2.9**	<0.058	<0.25	<0.10	<1.3	**34**	---	**81.00**
	8/15/2024	<0.23	**3.6**	<0.058	<0.25	**0.10 J**	<1.3	**34**	---	**82.00**

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TABLE 10C
SAN JUAN RIVER ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)
Screening Source		**Anions - NMAC 20.6.2**								
Screening Levels		**2**	**250**	**1**	**-**	**10**	**-**	**600**	**-**	**-**
Downstream	4/29/2021	---	---	<0.10	---	<0.10	---	---	---	**93.48**
	8/21/2021	<0.50	**3.3**	<1.0	<0.50	<1.0	<2.5	**45**	---	**86.12**
	4/14/2022	<0.50	**4.5**	---	<0.50	---	<2.5 H	**96**	---	**89.72**
	8/4/2022	**0.33 J**	**3.7**	---	<0.50	---	<2.5 H	**74**	---	**95.84**
	4/28/2023	<0.50	**4.2**	<0.50 H	<0.50	<0.50 H	<2.5 H	**73**	---	**95.00**
	8/25/2023	<0.50	**3.8**	<0.50	<0.50	<0.50	<2.5 H	**68**	---	**89.00**
	4/22/2024	**0.18**	**3.8**	<0.10	<0.10	<0.10	<0.50	**99**	---	**96.00**
	8/15/2024	<0.23	**3.2**	<0.058	<0.25	**0.12 J**	<1.3	**35**	---	**82.00**

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory reporting limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 10D
SAN JUAN RIVER ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
Upstream	8/25/2021	<0.0050	0.17	<0.0020	<0.0060	0.0030	<0.0050	<0.0050	<0.00020
	4/14/2022	0.0012	0.082	<0.0020	<0.0060	<0.00050	0.00073 J	<0.0050	<0.00020
	8/9/2022	0.014	3.3	<0.0020	0.19	0.15	0.026	<0.0050	0.00039
	4/28/2023	0.0016	0.092	<0.0020	<0.0060	0.0010	<0.0010	<0.0050	<0.00020
	8/25/2023	0.0085	0.32	<0.0020	0.026	0.020	0.0045	<0.0050	<0.00020
	4/22/2024	0.0011	0.074	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
	8/15/2024	<0.0025	0.120	<0.0025	0.0065	0.095	<0.0040	<0.0025	<0.00012
North of MW-45	4/27/2021	<0.0010	0.07	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/25/2021	<0.0050	0.14	<0.0020	<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	4/14/2022	0.0012	0.074	<0.0020	<0.0060	0.00063	0.00053 J	<0.0050	<0.00020
	8/3/2022	0.0037	0.22	<0.0020	0.0086	0.0068	0.0024	<0.0050	0.00010 J
	4/28/2023	0.0016	0.097	<0.0020	<0.0060	0.0013	<0.0010	<0.0050	<0.00020
	8/23/2023	0.0012	0.078	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	4/22/2024	0.0011	0.074	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
	8/15/2024	<0.0025	0.120	<0.0025	0.0067	0.035	<0.0040	<0.0025	<0.00012
North of MW-46	4/29/2021	<0.0010	0.076	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/21/2021	0.0034	0.26	<0.0020	<0.0060	0.0083	0.0028	<0.0050	<0.00020
	4/14/2022	0.0011	0.074	<0.0020	<0.0060	0.00062	0.00050 J	<0.0050	<0.0020
	8/4/2022	0.0043	0.25	<0.0020	0.010	0.0080	0.0021	<0.0050	0.000098 J
	4/28/2023	0.0018	0.12	<0.0020	<0.0060	0.0023	0.0010	<0.0050	<0.00020
	8/25/2023	0.0074	0.29	<0.0020	0.023	0.018	0.0039	<0.0050	<0.00020
	4/22/2024	0.0011	0.074	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
	8/15/2024	0.0029 J	0.13	<0.0025	0.0076	0.013	<0.0040	<0.0025	<0.00012
	8/15/2024	0.0027 J	0.14	<0.0025	0.0080	0.030	<0.0040	<0.0025	<0.00012

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TABLE 10D
SAN JUAN RIVER ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		**Total Metals - NMAC 20.6.2**							
Screening Levels		**0.01**	**2.0**	**0.005**	**0.05**	**0.015**	**0.05**	**0.05**	**0.002**
Downstream	4/29/2021	<0.0010	**0.072**	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/21/2021	**0.0021**	**0.15**	<0.0020	<0.0060	**0.0037**	**0.0012**	<0.0050	<0.00020
	4/14/2022	**0.0013**	**0.083**	<0.0020	<0.0060	**0.0009**	**0.00065 J**	<0.0050	<0.00020
	8/4/2022	**0.0047**	**0.26**	<0.0020	**0.012**	**0.0084**	**0.0016**	<0.0050	**0.000093 J**
	4/28/2023	**0.0019**	**0.12**	<0.0020	<0.0060	**0.0024**	<0.0010	<0.0050	<0.00020
	8/25/2023	**0.0092**	**0.36**	<0.0020	**0.024**	**0.021**	**0.0042**	<0.0050	<0.00020
	4/22/2024	**0.0011**	**0.076**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
	8/15/2024	<0.0025	**0.14**	<0.0025	**0.0076**	**0.013**	<0.0040	<0.0025	<0.00012

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

MW = Monitoring Well

< = Result is below laboratory method detection limit

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

ENSOLUM

TABLE 10E
SAN JUAN RIVER ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
Upstream	8/25/2021	<0.020	**0.069**	<0.0020	**32**	<0.0060	<0.020	<0.020	<0.010	**5.2**	**0.0060**	**2.0**	<0.020	<0.0050	**15**	<0.010	**0.039**
	4/14/2022	**0.00093 J**	**0.069**	<0.0020	**36**	<0.0060	**0.00089 J**	<0.020	<0.00050	**6.1**	**0.013**	**2.1**	<0.0010	<0.0050	**23**	---	**0.016**
	8/9/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	**0.069**	<0.0010	---	<1.0	<0.0010	**0.015**	---	---	**0.0047**	---	---	<1.0	---	---	**0.0014**
	8/25/2023	<0.010	**0.078**	<0.0020	**41**	<0.0060	<0.010	**1.9**	<0.010	**5.7**	**0.080**	**2.6**	<0.010	<0.0050	**22**	<0.010	**0.026**
	4/22/2024	<0.010	**0.065**	<0.010	**38**	<0.010	<0.010	<0.020	<0.010	**6.3**	**0.036**	**1.9**	<0.010	<0.010	**31**	<0.010	<0.020
	8/15/2024	<0.010	**0.084**	<0.010	**29**	<0.010	<0.010	**0.70**	<0.010	**5.3**	**0.026**	**2.4**	<0.016	<0.010	**15**	<0.010	**0.066**
North of MW-45	4/27/2021	<0.0010	**0.065**	<0.0020	**31**	<0.0060	<0.0010	<0.020	<0.00050	**5.6**	**0.02**	**1.9**	<0.0010	<0.0050	**20**	**0.00051**	<0.010
	8/25/2021	<0.020	**0.063**	<0.0020	**32**	<0.0060	<0.020	<0.020	<0.010	**5.2**	**0.0059**	**1.8**	<0.020	<0.0050	**16**	<0.010	**0.020**
	4/14/2022	**0.00092 J**	**0.067**	<0.0020	**37**	<0.0060	0.022	<0.020	<0.00050	**6.2**	**0.012**	**2.1**	**0.00054 J**	<0.0050	**23**	---	**0.016**
	8/3/2022	**0.0013**	**0.071**	<0.0020	**38**	<0.0060	**0.0012**	**0.015 J**	<0.00050	**5.4**	**0.0053**	**2.1**	<0.0010	<0.0050	**25**	**0.00080**	**0.0052 J**
	4/28/2023	--	**0.070**	<0.0010	--	<1.0	<0.0010	**0.056**	--	--	**0.0052**	--	--	<1.0	--	--	**0.0072**
	8/23/2023	<0.010	**0.071**	<0.0020	**32**	<0.0060	<0.010	<0.020	<0.010	**5.7**	**0.0068**	**2.0**	<0.010	<0.0050	**18**	<0.010	**0.18**
	4/22/2024	<0.010	**0.061**	<0.010	**44**	<0.010	<0.010	<0.020	<0.010	**6.8**	**0.063**	**1.9**	<0.010	<0.010	**37**	<0.010	<0.020
	8/15/2024	<0.010	**0.080**	<0.010	**30**	<0.010	<0.010	**0.41**	<0.010	**5.4**	**0.026**	**2.3**	<0.016	<0.010	**15**	<0.010	**0.057**
North of MW-46	4/29/2021	<0.0010	**0.066**	<0.0020	**33**	<0.0060	<0.0010	<0.020	<0.00050	**5.8**	**0.053**	**1.8**	<0.0010	<0.0050	**22**	<0.00050	<0.010
	8/21/2021	<0.0050	**0.063**	<0.0020	**31**	<0.0060	<0.0050	**0.021**	<0.0025	**5.1**	**0.0069**	**2.0**	<0.0050	<0.0050	**16**	---	**0.020**
	4/14/2022	**0.00082 J**	**0.069**	<0.0020	**39**	<0.0060	**0.0012**	<0.020	<0.00050	**6.4**	**0.029**	**2.1**	**0.00051 J**	<0.0050	**24**	---	**0.016**
	8/4/2022	**0.0013**	**0.080**	<0.0020	**39**	<0.0060	**0.0014**	**0.25**	**0.00029 J**	**5.8**	**0.018**	**2.4**	**0.00049 J**	<0.0050	**25**	**0.00082**	**0.0075 J**
	4/28/2023	--	**0.069**	<0.0010	--	<1.0	<0.0010	**0.013**	--	--	**0.015**	--	--	<1.0	--	--	**0.0046**
	8/25/2023	<0.010	**0.062**	<0.0020	**41**	<0.0060	<0.010	**0.39**	<0.010	**5.4**	**0.022**	**2.6**	<0.010	<0.0050	**23**	<0.010	<0.020
	4/22/2024	<0.010	**0.065**	<0.010	**39**	<0.010	<0.010	<0.020	<0.010	**6.3**	**0.039**	**2.0**	<0.010	<0.010	**31**	<0.010	**0.041**
	8/15/2024	<0.010	**0.085**	<0.010	**28 J**	<0.010	<0.010	<1.7	<0.010	<9.8	**0.054 J**	**2.4**	<0.016	<0.010	**15**	<0.010	<0.49
	8/15/2024	<0.010	**0.095**	<0.010	**29 J**	<0.010	<0.010	<1.7	<0.010	<9.8	**0.074 J**	**2.2**	<0.010	<0.010	**15**	<0.010	<0.49
Downstream	4/29/2021	<0.0010	**0.066**	<0.0020	**41**	<0.0060	<0.0010	**0.026**	<0.00050	**7.0**	**0.033**	**2.1**	<0.0010	<0.0050	**35**	**0.0008**	<0.010
	8/21/2021	<0.0050	**0.063**	<0.0020	**33**	<0.0060	<0.0050	<0.020	<0.0025	**5.4**	**0.018**	**1.9**	<0.0050	<0.0050	**17**	---	**0.018**
	4/14/2022	**0.00081 J**	**0.069**	<0.0020	**44**	<0.0060	**0.00088 J**	<0.020	**0.000097 J**	**7.0**	**0.0370**	**2.2**	**0.00060 J**	<0.0050	**33**	---	**0.011**
	8/4/2022	**0.0012**	**0.076**	<0.0020	**38**	<0.0060	**0.0012**	0.22	0.00023 J	**5.4**	**0.020**	**2.2**	**0.00046 J**	<0.0050	**25**	**0.00079**	**0.013**
	4/28/2023	--	**0.070**	<0.0010	--	<1.0	<0.0010	0.016	--	--	**0.016**	--	--	<1.0	--	--	**0.022**
	8/25/2023	<0.010	**0.054**	<0.0020	**40**	<0.0060	<0.010	0.078	<0.010	**5.3**	**0.012**	**2.6**	<0.010	<0.0050	**21**	<0.010	**0.13**
	4/22/2024	<0.010	**0.063**	<0.010	**44**	<0.010	<0.010	<0.020	<0.010	**6.9**	**0.070**	**2.0**	<0.010	<0.010	**37**	<0.010	<0.020
	8/15/2024	<0.010	**0.085**	<0.010	**29 J**	<0.010	<0.010	<1.7	<0.010	<9.8	**0.053 J**	**2.2**	<0.016	<0.010	**15**	<0.010	<0.49

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory reporting limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 11A
BACKGROUND WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1						
Screening Levels		**5**	**1,000**	**700**	**620**	**100**	**11**	**35**	**1**	**14,100**	**447**	**5.6**	**6.0**	**-**	**100**	**66**	**200**	**69**
MW-BCK1	11/8/2023	<1.0	<1.0	<1.0	< 1.5	<1.0	< 4.0	< 4.0	<2.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	<3.0	< 1.0	< 1.0	< 1.0
MW-BCK2	11/8/2023	<1.0	<1.0	<1.0	< 1.5	<1.0	< 4.0	< 4.0	<2.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	<3.0	< 1.0	< 1.0	< 1.0

Notes:

Analytical result exceeds the respective screening level.

Field duplicate sample collected

Bold = Detected at concentration above reporting limit

Red = Laboratory reporting limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

µg/L = micrograms per liter

NMED = Mew Mexico Environment Department

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL - Regional Screening Level

VOC - Volatile organic compound

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TABLE 11B
BACKGROUND WELLS ANALYTICAL SUMMARY - TOTAL PETROLEUM HYDROCARBONS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		**NMED Soil Screening Guidance Table 6-4**		
Screening Levels		**0.0167**	**0.0101**	**0.0858**
MW-BCK1	11/8/2023	<1.0	<0.050	<5.0
MW-BCK1	11/8/2023	<1.0	<0.050	<5.0

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory reporting limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMED = Mew Mexico Environment Department

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TABLE 11C
BACKGROUND WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		**SVOCs - EPA RSL Tap Water THQ = 0.1**												
Screening Levels		**11.4**	**36**	**35.1**	**93**	**0.15**	**7,500**	**5.6**	**16**	**-**	**29**	**1.17**	**580**	**2**
MW-BCK1	11/8/2023	<5.0	<10	<5.0	< 10	<10	< 20	< 10	< 10	< 10	<5.0	<5.0	< 10	<40
MW-BCK2	11/8/2023	< 10	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

Red = Laboratory reporting limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

µg/L = micrograms per liter

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL - Regional Screening Level

SVOC - Semi-volatile organic compound

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TABLE 11D
BACKGROUND WELLS ANALYTICAL SUMMARY - ANIONS
Bloomfield Terminal 2023 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO_2) (mg/L)	Alkalinity ($CaCO_3$) (mg/L)	Bicarbonate ($CaCO_3$) (mg/L)
Screening Source		**Anions - NMAC 20.6.2**									
Screening Levels		**2**	**250**	**1**	**-**	**10**	**-**	**600**	**-**	**-**	**-**
MW-BCK1	11/8/2023	---	---	---	---	---	---	---	---	---	---
MW-BCK2	11/8/2023	---	---	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

MW = Monitoring Well

--- = Specific analyte not sampled

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 11E
BACKGROUND WELLS ANALYTICAL SUMMARY - TOTAL METALS
Bloomfield Terminal 2023 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		**Total Metals - NMAC 20.6.2**							
Screening Levels		**0.01**	**2.0**	**0.005**	**0.05**	**0.015**	**0.05**	**0.05**	**0.002**
MW-BCK1	11/8/2023	<0.0030	**0.098**	<0.0020	**0.0084**	**0.0060**	**0.0035**	**0.0099**	<0.00020
MW-BCK2	11/8/2023	<0.0050	**0.021**	<0.0020	<0.0060	<0.0050	<0.0050	**0.010**	<0.00020

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

Bold = Detected at concentration above reporting limit

MW = Monitoring Well

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

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TABLE 11F
BACKGROUND WELLS ANALYTICAL SUMMARY - DISSOLVED METALS
Bloomfield Terminal 2023 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-BCK1	11/8/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-BCK2	11/8/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

= Analytical results exceeds the respective screening level

= Field Duplicate sample

MW = Monitoring Well

--- = Specific analyte not sampled

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

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TABLE 12
WASTEWATER VOLUMES
Bloomfield Terminal 2024 Annual Report
Western Refining Southwest LLC
San Juan County, New Mexico

Year	API Yearly Total Gallons	API Yearly Total (Barrels)	Injection Well Total (Gallons)	Injection Well Total (Barrels)	Discharge to Evaporation Ponds Total (Barrels)
2019	12,868,000	306,381	981,785	23,376	283,005
2020	18,373,000	437,452	1,298,526	30,917	406,535
2021	11,236,000	267,524	1,793,946	42,713	224,811
2022	9,653,000	229,833	315,379	7,509	222,324
2023	10,028,000	238,762	270,690	6,445	232,317
2024	13,516,000	321,810	826,014	19,667	302,143

Notes:
API = American Petroleum Institute

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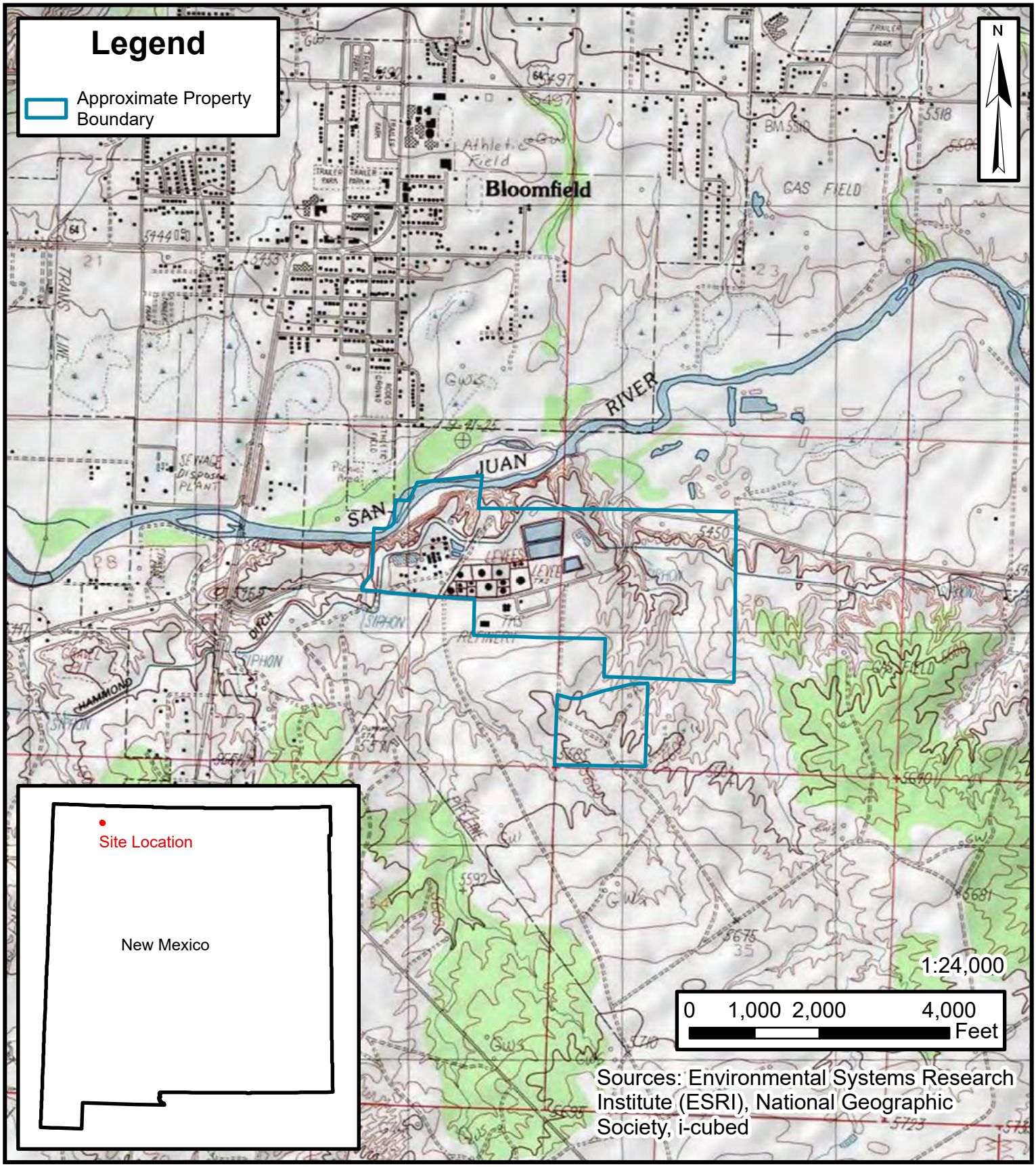
Figures



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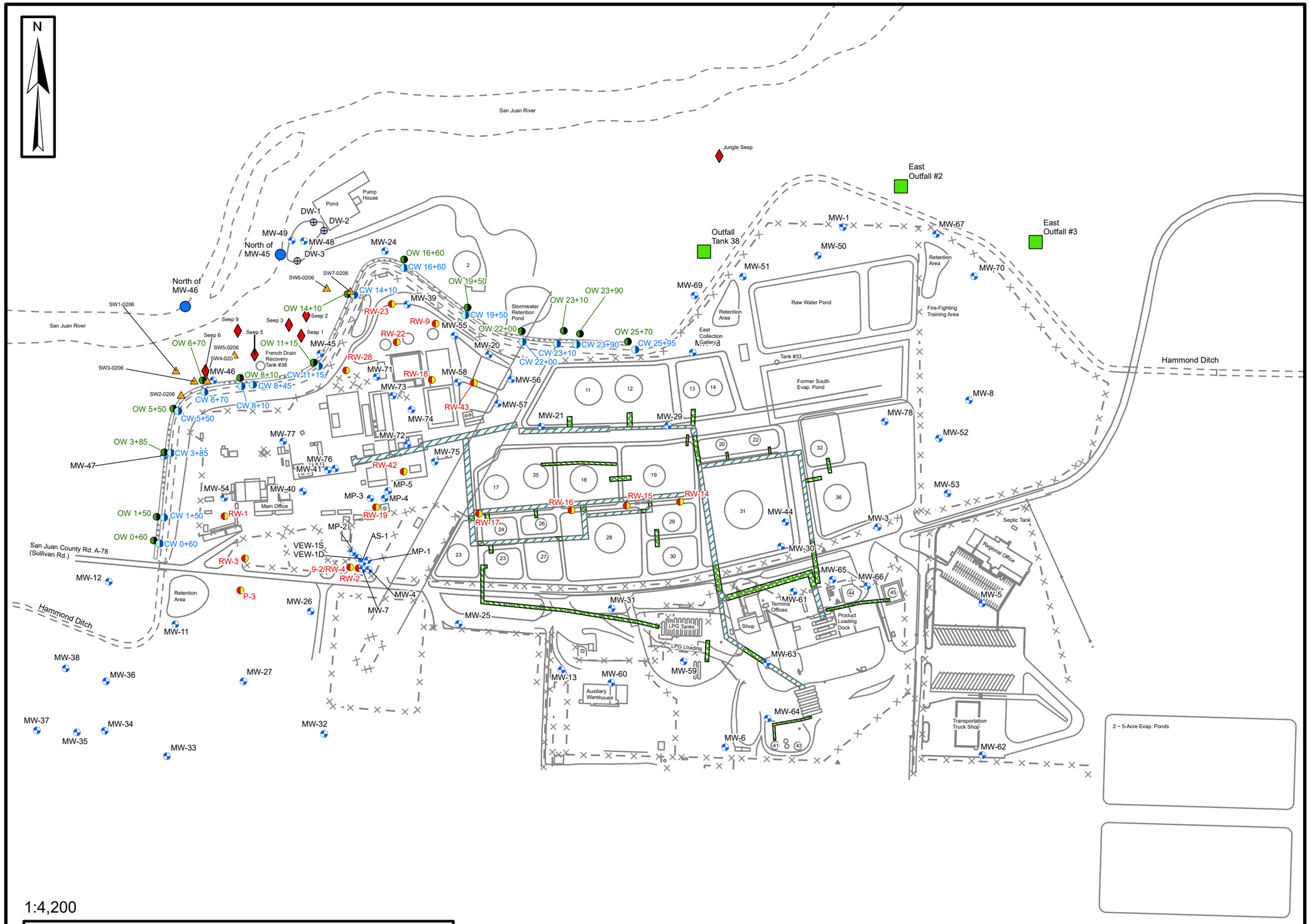
Facility Site Map

Bloomfield Terminal
Western Refining
Southwest, LLC
Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE

1

Drafted: March 2024



Legend

- Seeps
- Outfall
- River Sample Point
- Collection Well
- Dewatering Well
- Monitoring Well
- Observation Well
- Recovery Well
- Sump Well
- Above Ground Pipe
- Underground Pipe
- Ditch
- Fence
- River
- Barrier Wall

Well Location Map

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 2

Drafted: March 2025

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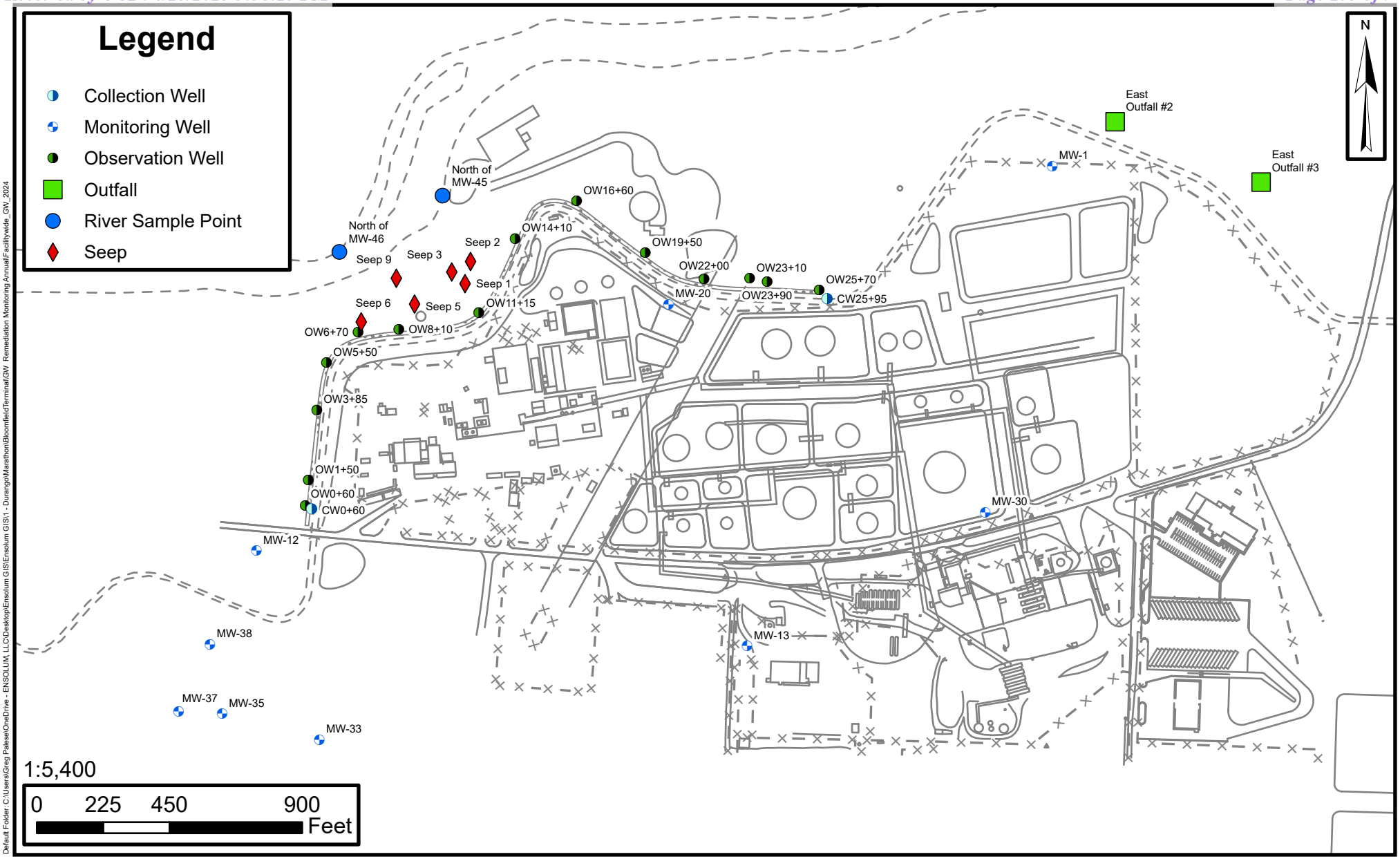

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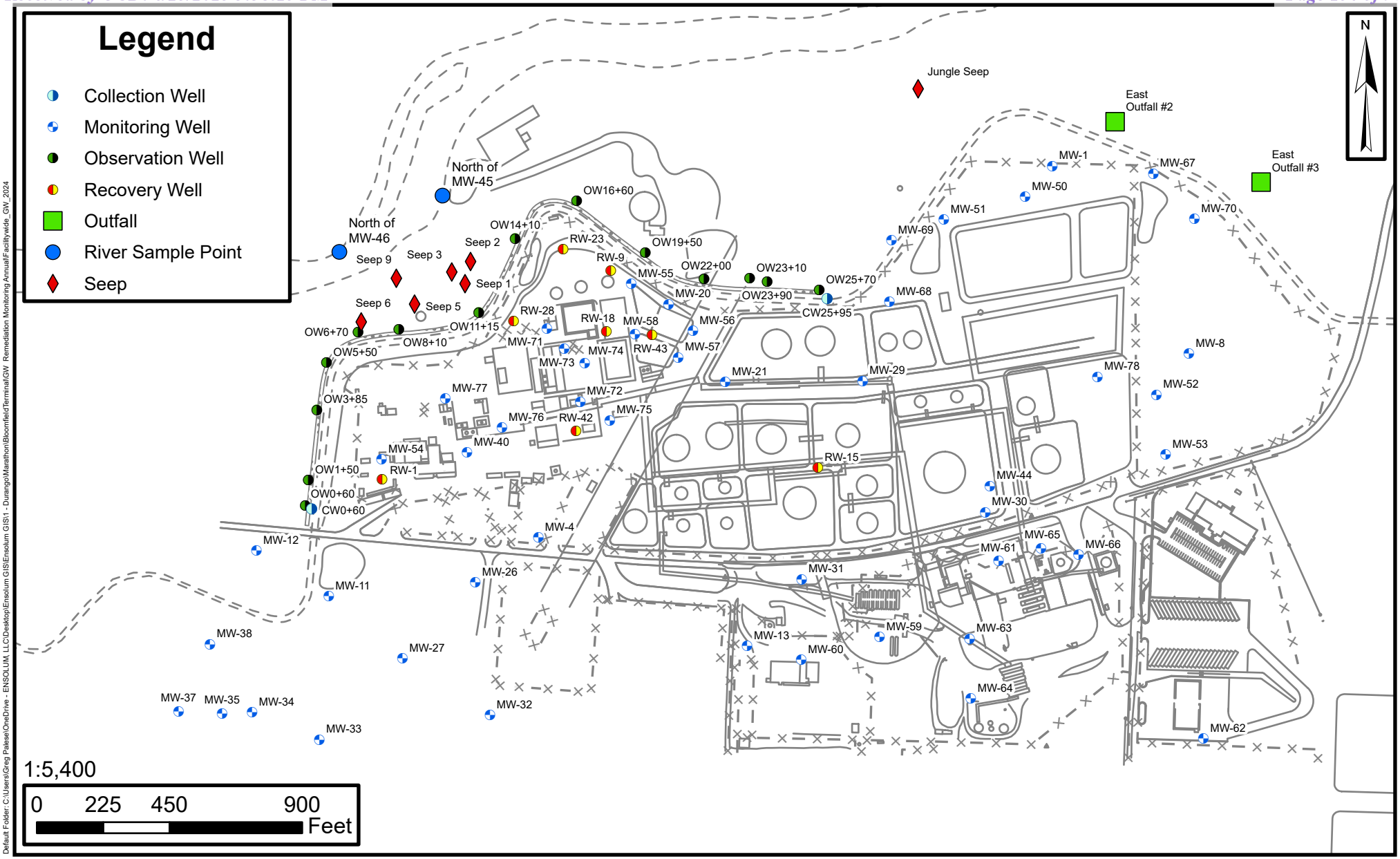
Wells Sampled - April 2024

Bloomfield Terminal
Western Refining Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE
3

Drafted: March 2025



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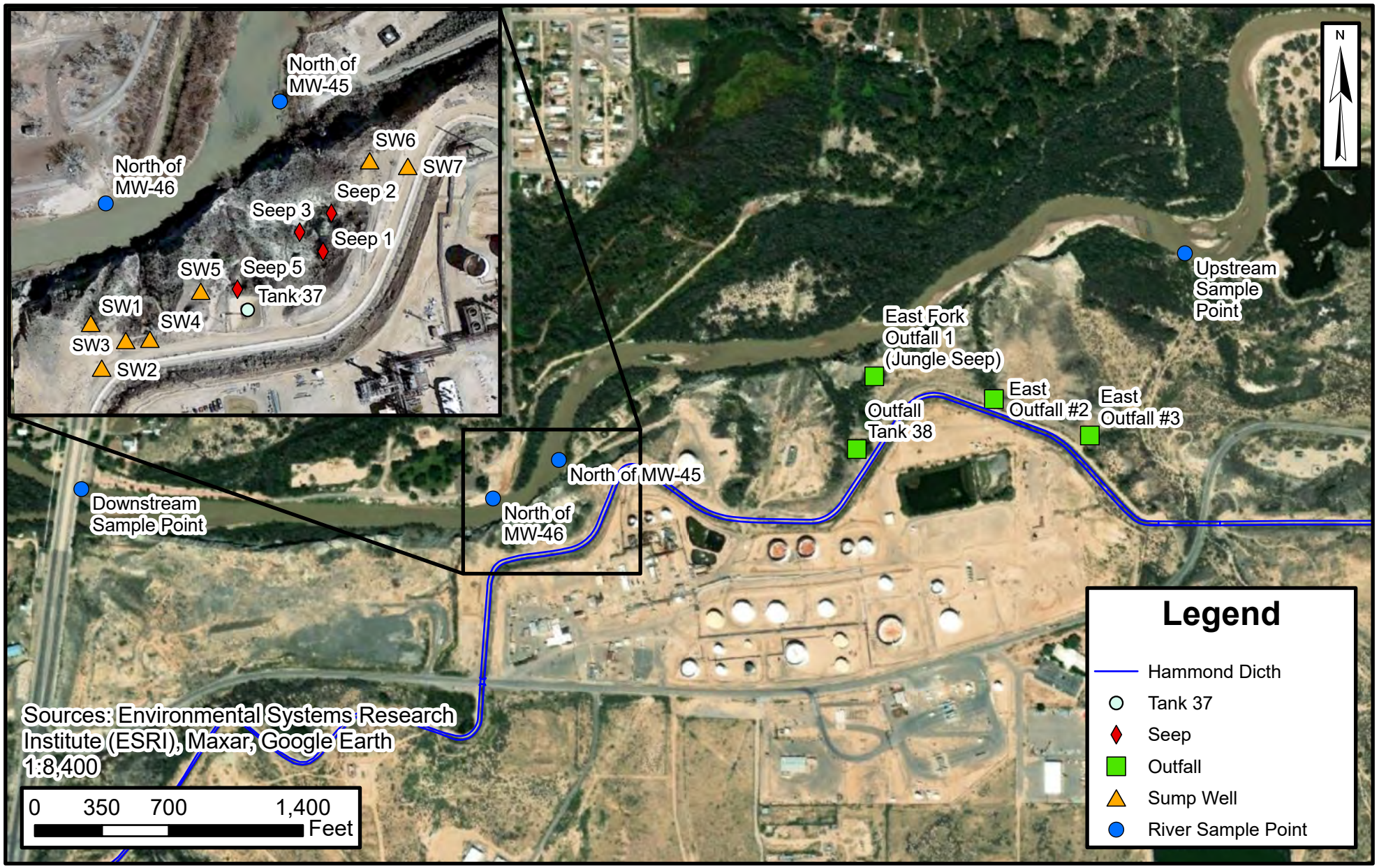
Wells Sampled - August 2024

Bloomfield Terminal
Western Refining Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE
4

Drafted: March 2025



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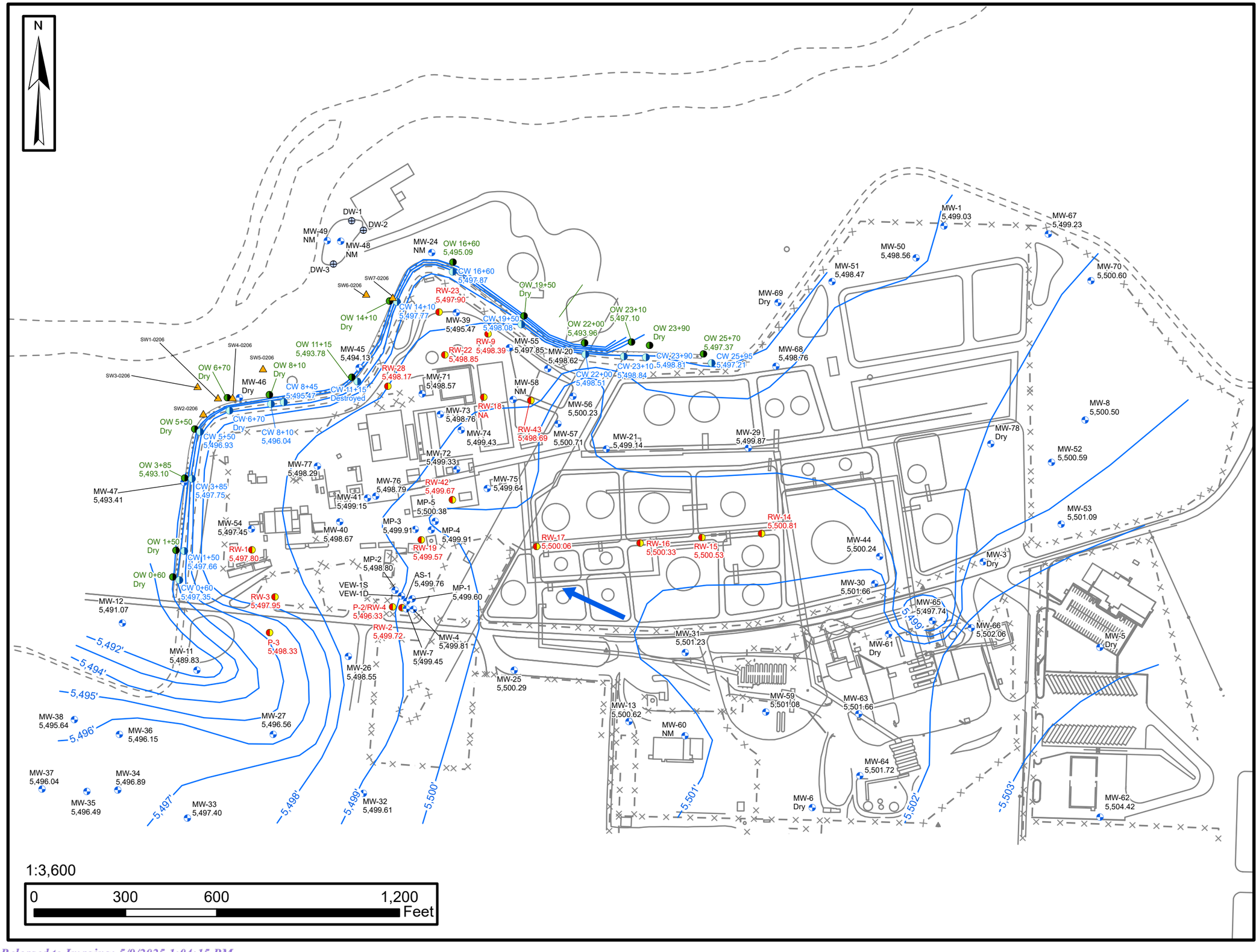
San Juan River Area Location Map

Bloomfield Terminal
Western Refining Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE
5

Drafted: March 2024



Legend

- Collection Well
- Dewatering Well
- Monitoring Well
- Observation Well
- Recovery Well
- Sump Well
- Fence
- Barrier Wall
- Groundwater Elevation Contour
- Estimated Groundwater Flow Direction

Notes:
Groundwater Elevation in feet above mean sea level
NM: Not Measured
NA: Not Accessible

Groundwater Elevation April 2024

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 6

Drafted: March 2025

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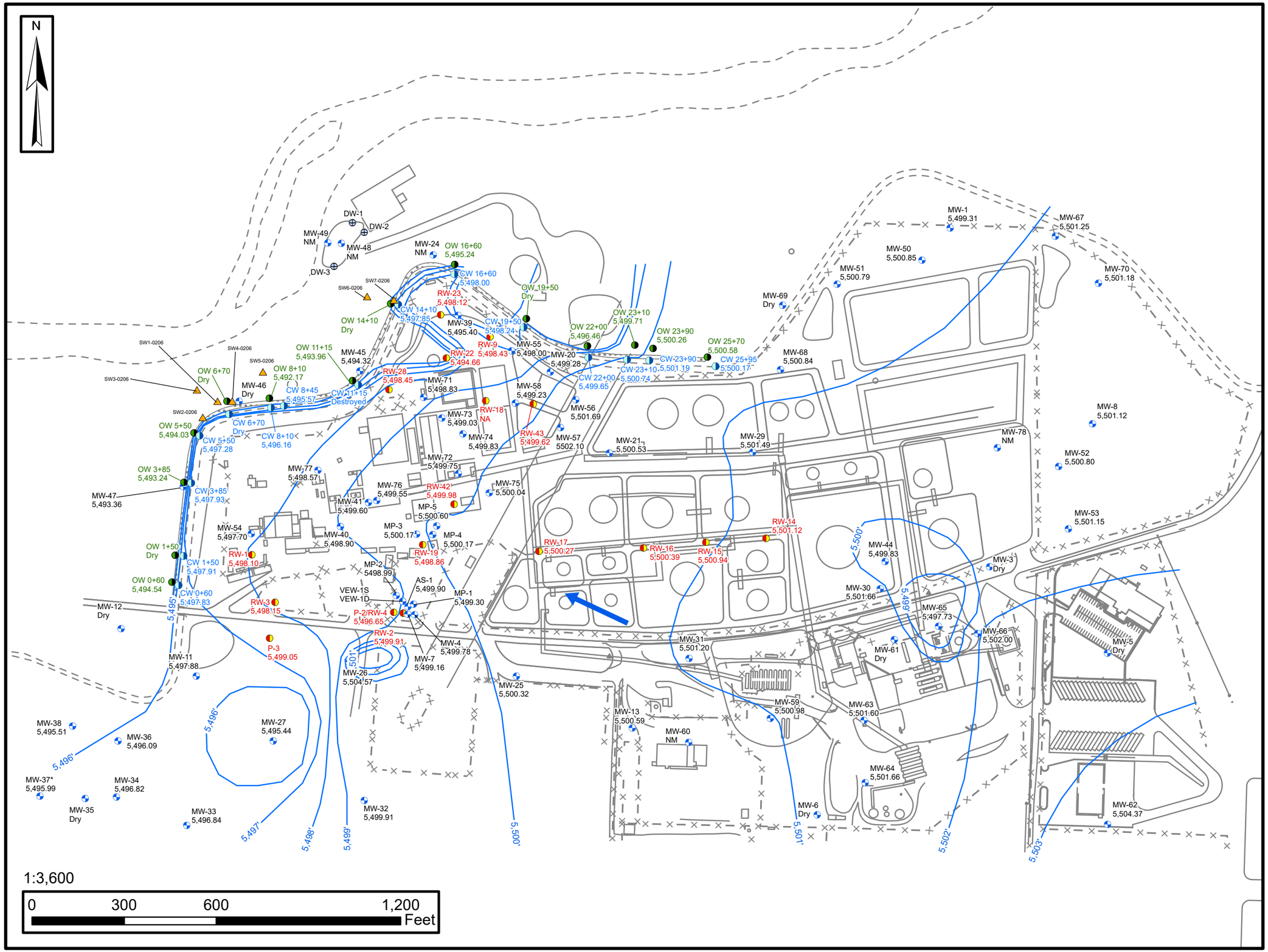

Legend

- Collection Well
- Dewatering Well
- Monitoring Well
- Observation Well
- Recovery Well
- Sump Well
- Fence
- Barrier Wall
- Groundwater Elevation Contour
- Estimated Groundwater Flow Direction

Notes:
Groundwater Elevation in feet above mean sea level
NM: Not Measured
NA: Not Accessible
* : Measurement Excluded from Contour Generation, Out of Date Range

Groundwater Elevation
August 2024
Bloomfield Terminal
Western Refining
Southwest, LLC
Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure
7
Drafted: March 2025

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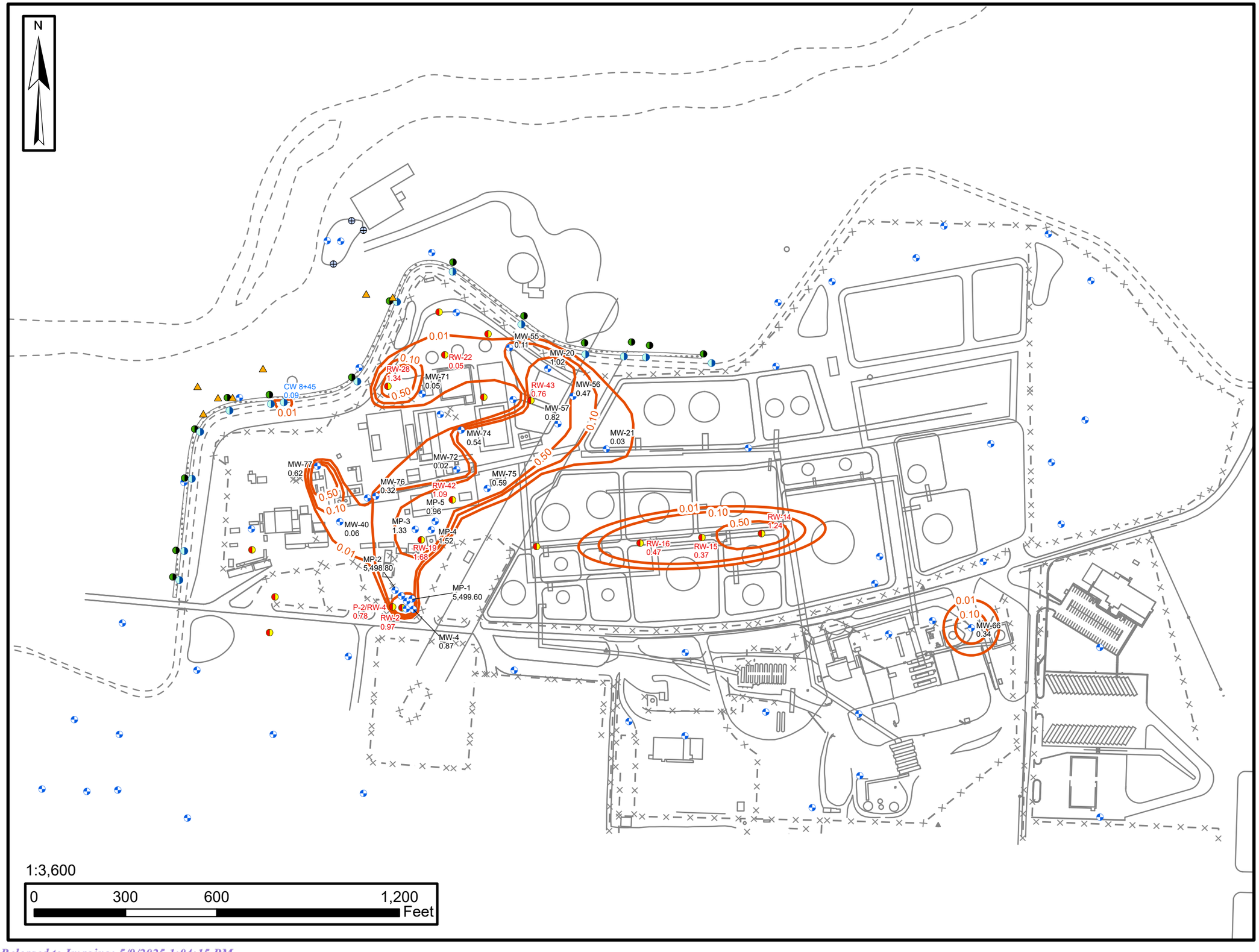

Legend

- Collection Well
- Dewatering Well
- Monitoring Well
- Observation Well
- Recovery Well
- Sump Well
- Fence
- Barrier Wall
- Product Thickness Isopleth Contour

Notes:
Product Thickness in Feet

Product Thickness
April 2024
Bloomfield Terminal
Western Refining
Southwest, LLC
Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure
8
Drafted: March 2025

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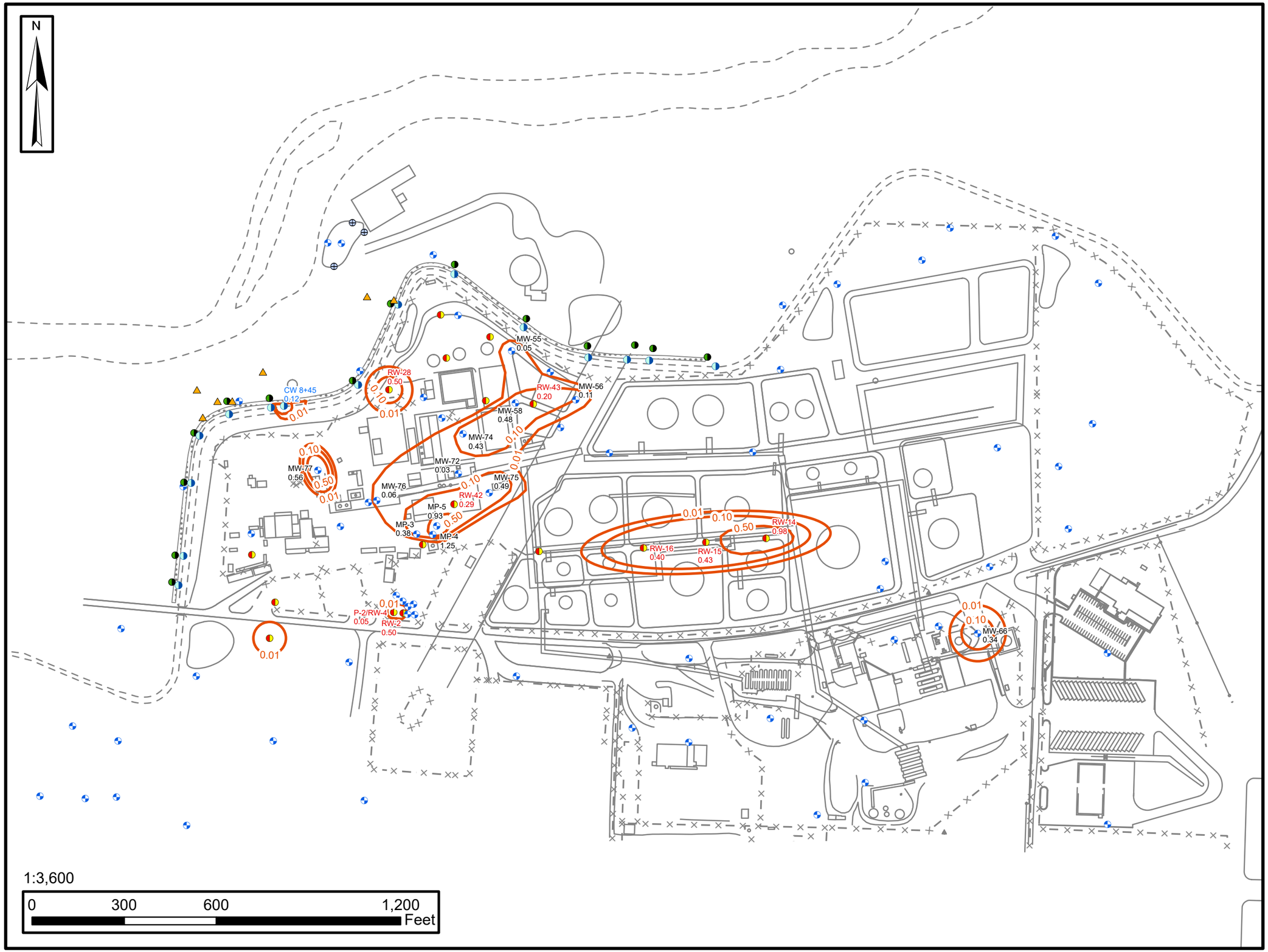

Legend

- Collection Well
- Dewatering Well
- Monitoring Well
- Observation Well
- Recovery Well
- Sump Well
- Fence
- Barrier Wall
- Product Thickness Isopleth Contour

Notes:
Product Thickness in Feet

Product Thickness
August 2024
Bloomfield Terminal
Western Refining
Southwest, LLC
Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure
9
Drafted: March 2025

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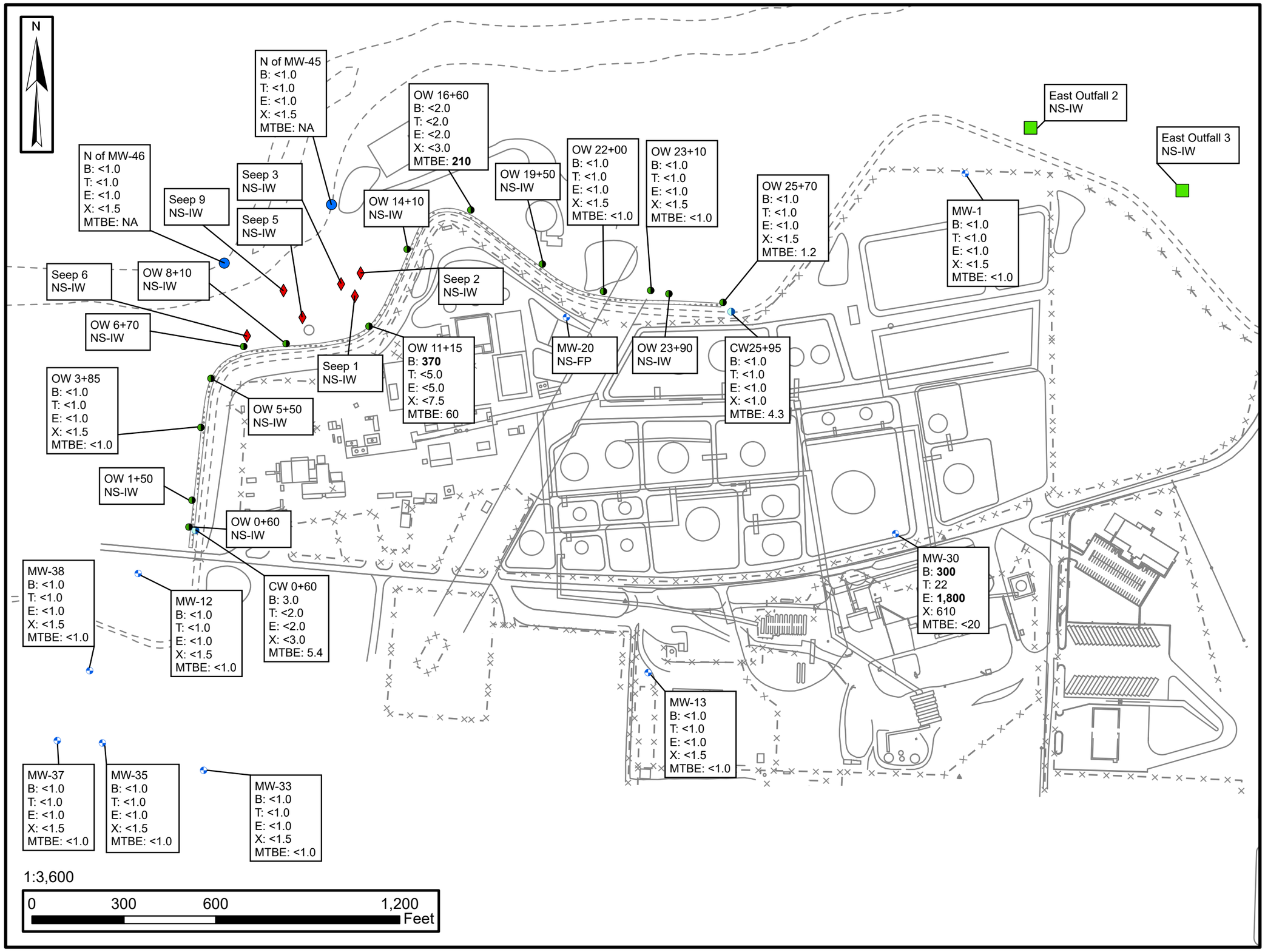

Legend

- Outfall
- Collection Well
- Monitoring Well
- Observation Well

Notes:
B: Benzene in Micrograms per Liter (µg/L)
T: Toluene (µg/L)
E: Ethylbenzene (µg/L)
X: Total Xylenes (µg/L)
MTBE: Methyl Tert-butyl Ether (µg/L)
< : Indicates Results Below Laboratory Reporting Limit
Bold: Indicates Result Exceeds NMAC 20.6.2 Standards
NA: Not Analyzed
NS-FP: Not Sampled due to Free Product in well
NW-IW: Not Sampled due to insufficient water volume

BTEX and MTBE Concentration Map April 2024

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 10

Drafted: March 2025

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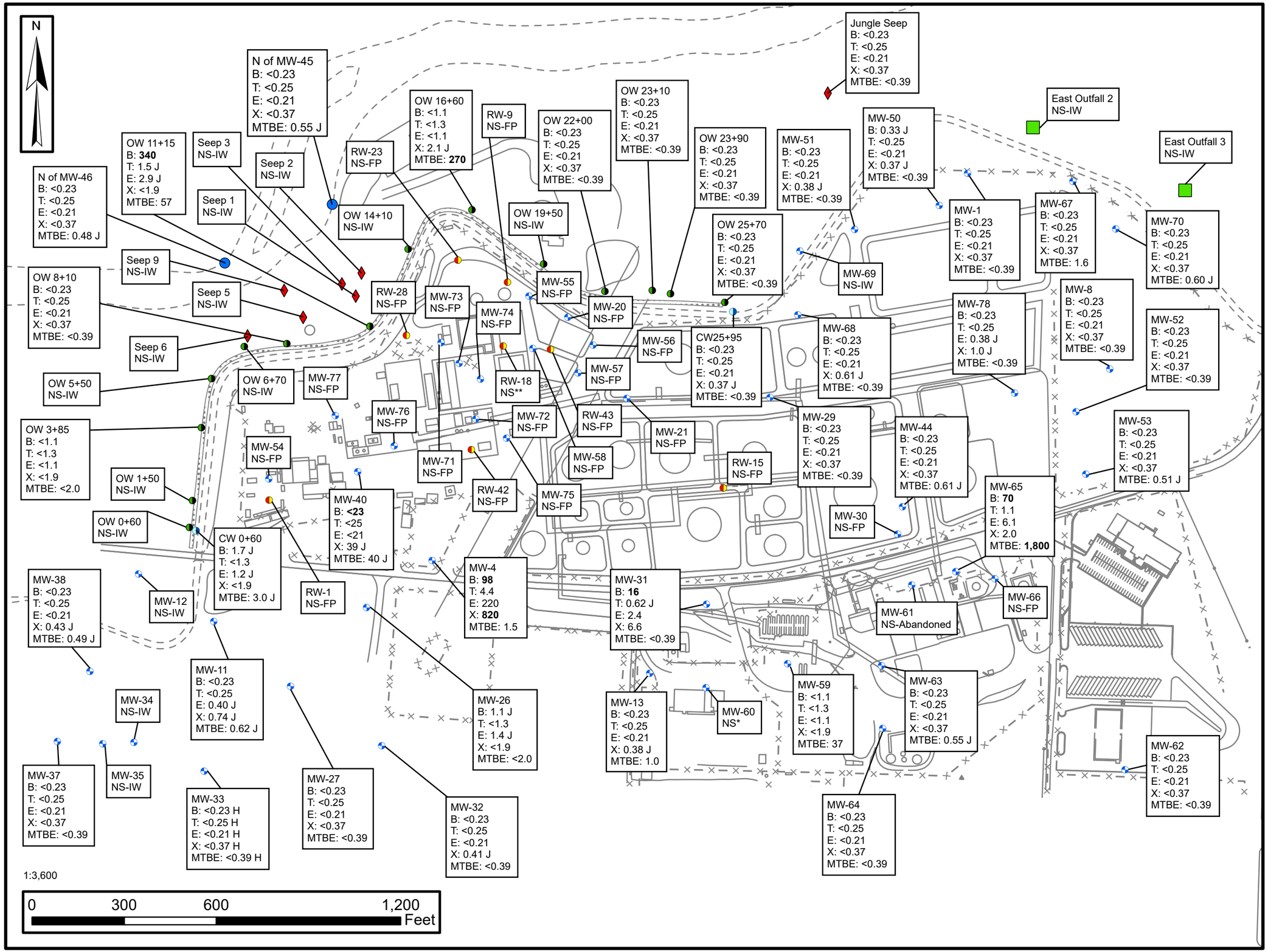

Legend

- River Sample Point
- Seep
- Collection Well
- Monitoring Well
- Observation Well
- Recovery Well
- Outfall

Notes:
B: Benzene in Micrograms per Liter (µg/L)
T: Toluene (µg/L)
E: Ethylbenzene (µg/L)
X: Total Xylenes (µg/L)
MTBE: Methyl Tert-butyl Ether (µg/L)
< : Indicates Results Below Laboratory Reporting Limit
Bold: Indicates Result Exceeds NMAC 20.6.2 Standards
NS*: Not Sampled, Could not locate well
NS**: Not Sampled, Well inaccessible
NS-FP: Not Sampled due to Free Product in well
NS-IW: Not Sampled due to insufficient water volume
NS-Abandoned: Not Sampled, Well Abandoned
NW-IW: Not Sampled due to insufficient water volume
J: Result is Estimated
H: Sample was prepped or analyzed beyond the specified holding time

BTEX and MTBE Concentration Map August 2024

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 11

Drafted: April 2025

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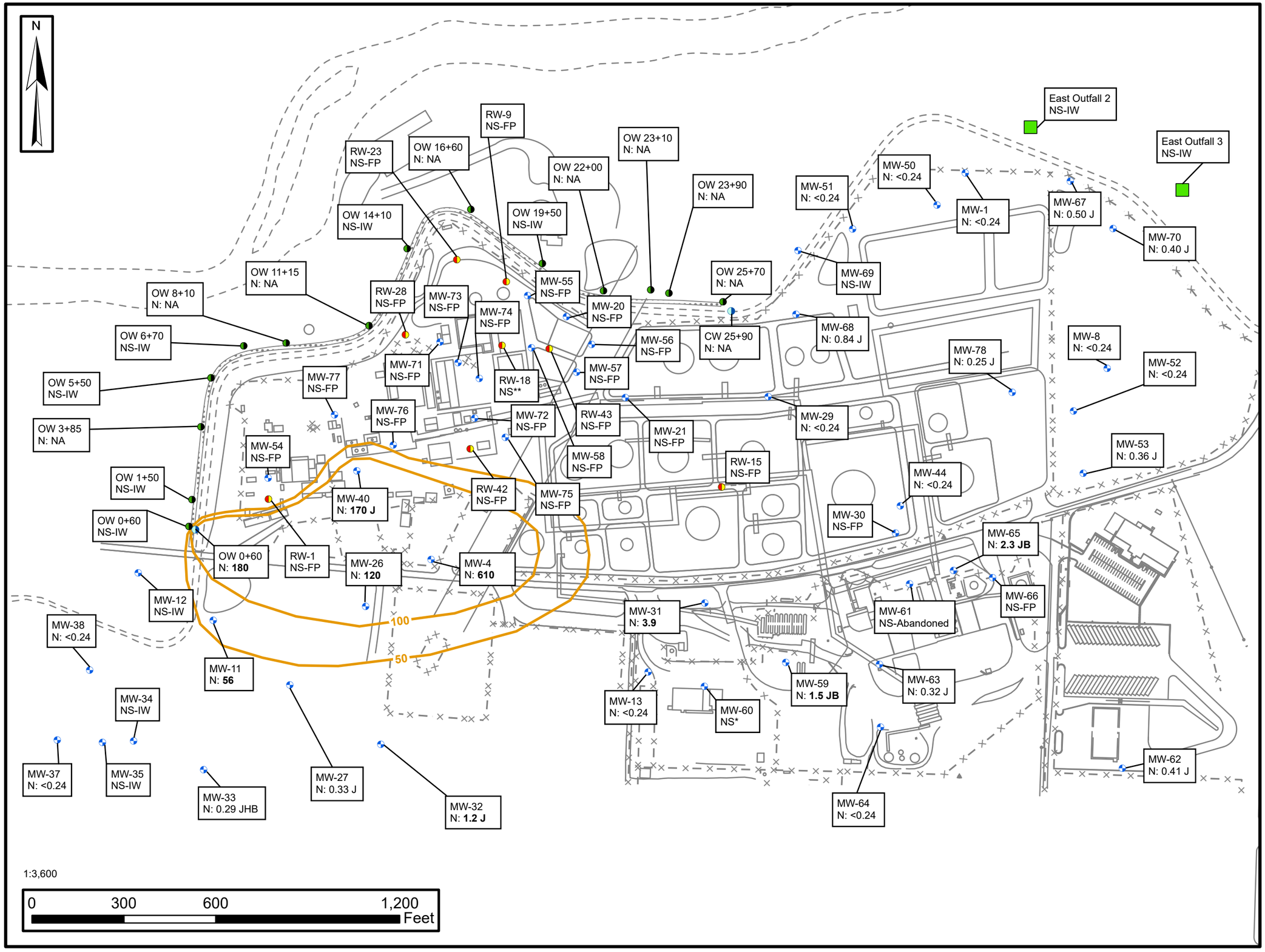

Legend

- Collection Well
- Monitoring Well
- Observation Well
- Recovery Well
- Outfall
- Approximate Napthalene Concentration Contours

Notes:
N: Naphthalene in Micrograms per Liter (µg/L)
< : Indicates Results Below Laboratory Reporting Limit
Bold: Indicates Result Exceeds NMAC 20.6.2 Standards
NS*: Not Sampled, Could not locate well
NS**: Not Sampled, Well inaccessible
NS-FP: Not Sampled due to Free Product in well
NS-IW: Not Sampled due to insufficient water volume
NS-Abandoned: Not Sampled, Well Abandoned
J: Result is Estimated
H: Sample was prepped or analyzed beyond the specified holding time
B: Compound was found in the blank and sample

Naphthalene Concentration Map August 2024

Bloomfield Terminal
Western Refining Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 12

Drafted: April 2025

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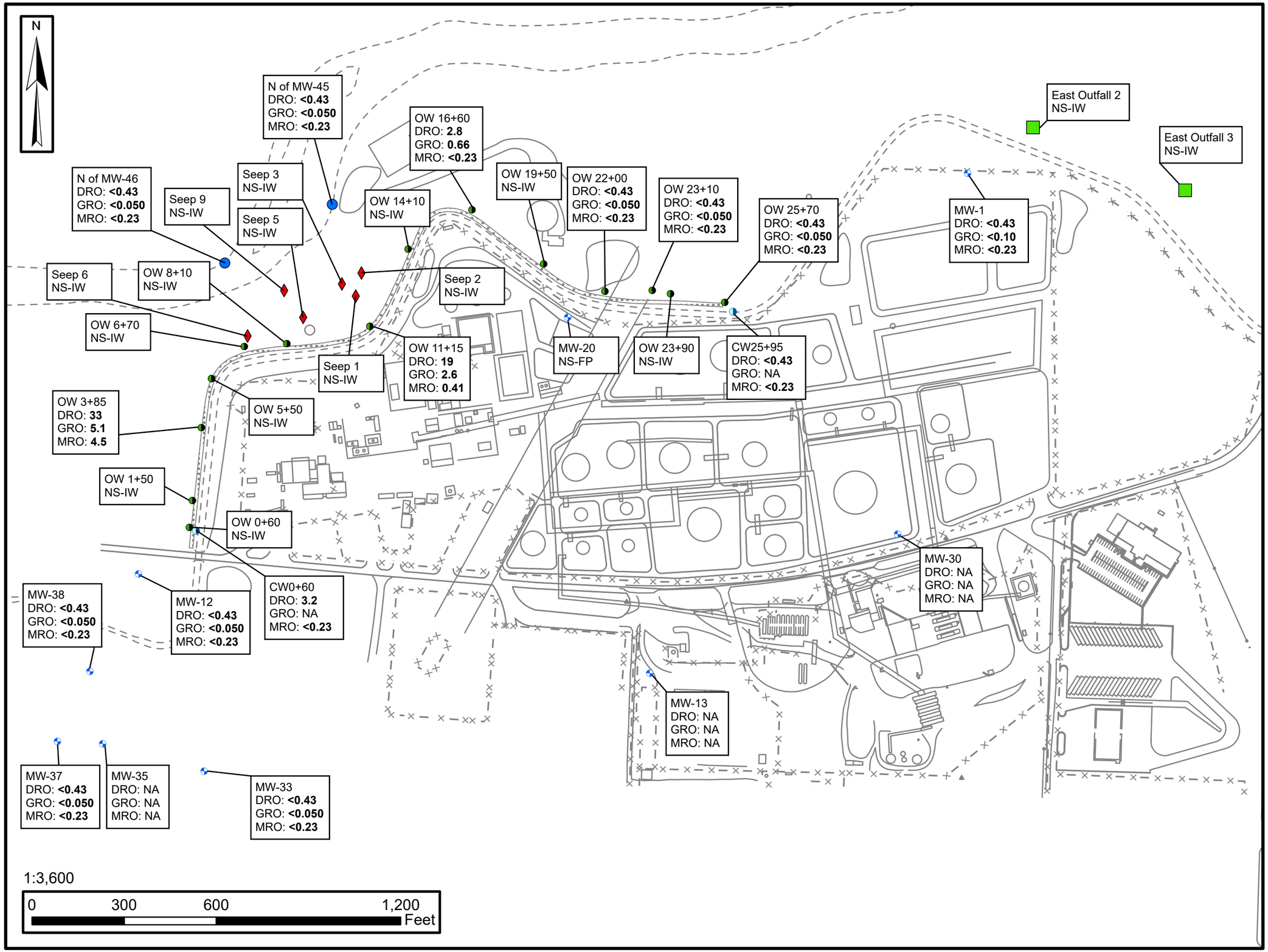

Legend

- Seep
- Outfall
- Collection Well
- Monitoring Well
- Observation Well

Notes:
DRO: Diesel Range Organics in Micrograms per Liter (µg/L)
GRO: Gasoline Range Organics (µg/L)
MRO: Motor Oil Range Organics (µg/L)
< : Indicates Results Below Laboratory Reporting Limit
Bold: Indicates Result Exceeds NMAC 20.6.2 Standards
NA: Not Analyzed
NS-FP: Not Sampled due to Free Product in well
NS-IW: Not Sampled due to insufficient water volume
TPH: Total Petroleum Hydrocarbons

TPH Concentration Map April 2024

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 13

Drafted: April 2025

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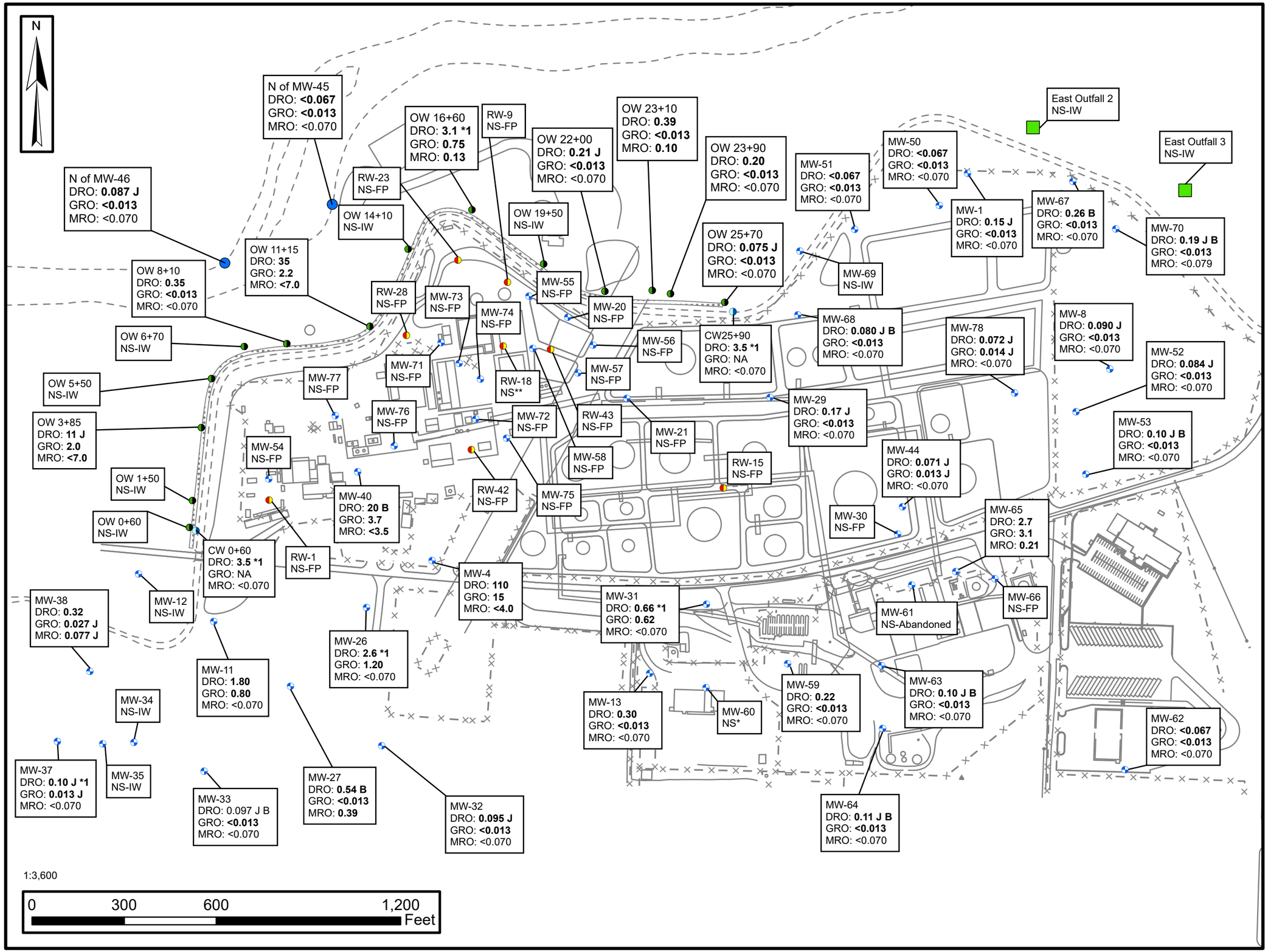

Legend

- River Sample Point
- Collection Well
- Monitoring Well
- Observation Well
- Recovery Well
- Outfall

Notes:
DRO: Diesel Range Organics in Micrograms per Liter (µg/L)
GRO: Gasoline Range Organics (µg/L)
MRO: Motor Oil Range Organics (µg/L)
< : Indicates Results Below Laboratory Reporting Limit
Bold: Indicates Result Exceeds NMAC 20.6.2 Standards
NS*: Not Sampled, Could not locate well
NS**: Not Sampled, Well inaccessible
NS-FP: Not Sampled due to Free Product in well
NS-IW: Not Sampled due to insufficient water volume
NS-Abandoned: Not Sampled, Well Abandoned
J: Result is Estimated
B: Compound was found in the blank and sample
*1: Lab control sample/lab control duplicate sample relative percent difference exceeds control limits
TPH: Total Petroleum Hydrocarbons

TPH Concentration Map August 2024

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 14

Drafted: April 2025

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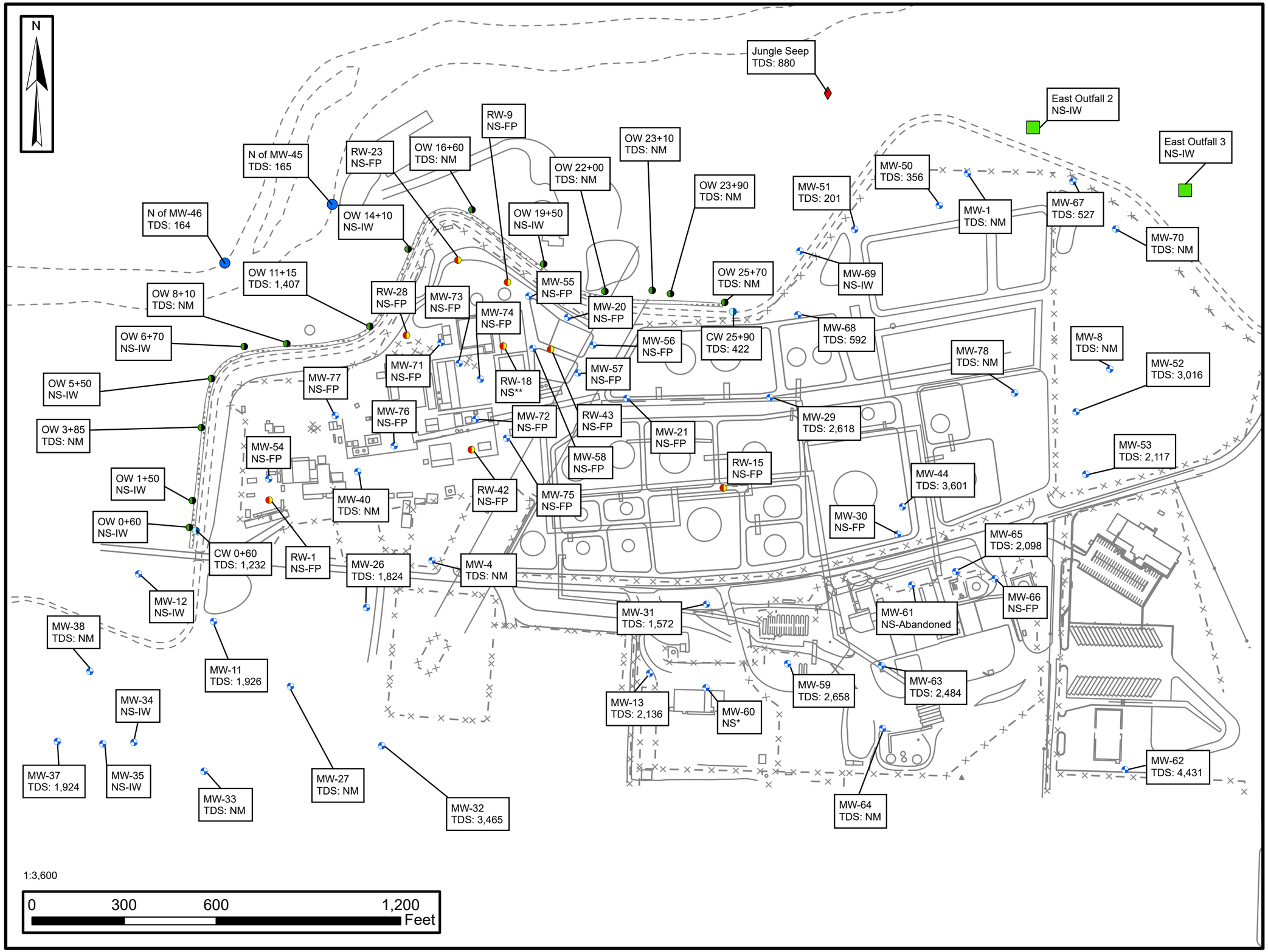

Legend

- Collection Well
- Monitoring Well
- Observation Well
- Recovery Well
- Outfall
- Seep

Notes:
TDS: Total Dissolved Solids in Milligrams per Liter (mg/L)
< : Indicates Results Below Laboratory Reporting Limit
Bold: Indicates Result Exceeds NMAC 20.6.2 Standards
NS*: Not Sampled, Could not locate well
NS**: Not Sampled, Well inaccessible
NS-FP: Not Sampled due to Free Product in well
NS-IW: Not Sampled due to insufficient water volume
NS-Abandoned: Not Sampled, Well Abandoned
NM: Not Measured
J: Result is Estimated
H: Sample was prepped or analyzed beyond the specified holding time
B: Compound was found in the blank and sample

Total Dissolved Solids Concentration Map August 2024

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 15

Drafted: April 2025

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APPENDIX A

Historical Operations and Improvements

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Historical Operations and Improvements
Bloomfield Terminal 2024 Annual Report

Year	Facility Operations and Improvements
1986	• Relocated the spent caustic tank onto a concrete pad with retaining walls.
1987	• Upgraded the Reformer and increased its capacity to 3,600 barrels per day (bpd). Modified the Laboratory and Treater Unit and increased tank storage capacity. • Cleaned up the North and South bone yards. • Decommissioned and dismantled old Tanks 6 and 7. • Relocated the API recovered oil Tank 8 and Tank 9 to concrete pads with concrete retaining walls. • Established a systematic inspection, maintenance, and repair program for tanks.
1988	• Added a 2,000 bpd Catalytic Polymerization Unit. Removed the facility's two underground storage tanks and replaced them with aboveground storage tanks. • Completed installation of a Cathodic Protection System for the Tank Farm and underground piping. • Rebuilt the process area sewer system and added curbed, concrete paving to the unpaved process areas.
1989	• Increased Reformer throughput to 4,000 bpd. • Activated the groundwater hydrocarbon recovery system. • Constructed the first double-lined Evaporation Pond as part of Refinery's Discharge Plan improvements.
1990	• Constructed the second double-lined Evaporation Pond as part of the Refinery's Discharge Plan improvements. • Constructed a drum storage shed and converted to bulk chemical usage, where possible, in order to minimize the use of drummed chemicals.
1991	• Revamped the burner fuel sales rack with concrete paving and curbing. • Submitted the permit application for a Class 1 Disposal Well. • Upgraded the groundwater hydrocarbon recovery system.
1992	• Submitted an air quality permit application. The application included a proposal to install a Diesel Hydrodesulphurization (HDS) Unit and a Sulfur Recovery Unit (SRU) in order to comply with new Environmental Protection Agency (EPA) low-sulfur diesel regulations and decrease air emissions.
1993	• Began a program under a Consent Agreement with the United Stated Environment Protection Agency (USEPA) to conduct Interim Measures (IM), a RCRA Facility Investigation (RFI) and a Corrective Measures Study (CMS) addressing groundwater contamination. • Replaced portions of the underground cooling water piping. • Added concrete paving around the API Separator. • Installed the HDS Unit and SRU.

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Year	Facility Operations and Improvements
1994	• Completed installation of the Class 1 Injection Well. • Retrofitted the Aeration Lagoons with two additional liners. • Installed a floating cover for the API Separator. • Closed the clay-lined evaporation ponds and spray evaporation area.
1995	• Improved the diking south of the Refinery to further reduce storm water runoff. • Began implementation of additional corrective measures for groundwater cleanup as determined from the CMS.
1998	• Converted the former evaporation ponds on the east side of the Refinery to raw water storage ponds.
1999	• Installed sheet pilings and a bentonite slurry wall adjacent to the San Juan River, North of the process units, in order to intercept a small hydrocarbon seep that had been detected in the area.
2001	• Initiated a program to inoculate the Aeration Lagoons with sludge-consuming microorganisms.
2002	• A concrete liner was installed on the Hammond Ditch. At that time, Giant constructed the Hammond Ditch French Drain Recovery System to address contamination under the ditch.
2003	• Several monitoring wells were converted into recovery wells to further enhance the continuing ground water remediation efforts. MW-45, MW-46 & MW-47 were installed to facilitate sample collection. East Outfall #1 Recovery System was set up to return impacted water back to the refinery.
2004	• Monitoring wells MW-48, MW-49 and eight temporary piezometers were installed as part of Voluntary River Terrace Investigation activities. • Several temporary piezometers were drilled on the north side of Hammond Ditch to determine the surface elevation of the Nacimiento Formation. Design of a slurry wall to be constructed on the north side of Hammond Ditch was completed. • Lined containments were constructed in the draws north of Hammond Ditch in order to collect potentially contaminated groundwater which discharged to the land surface. • Sewer lines were replaced in the Treater and FCC.
2005	• The North Boundary Barrier Wall installation was completed March 2005. Fourteen observation wells were installed on the north side of the slurry wall and fifteen collection wells were installed on the south side of the slurry wall in April 2005. • As a matter of preventive maintenance, the lined containments in the draws north of the slurry wall were upgraded periodically. • In April, five more temporary piezometers were installed at the River Terrace. In August, Dewatering Wells (DW-1 and DW-2) and thirteen bioventing wells were drilled, and construction of the River Terrace Bioventing Project was initiated.

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Year	Facility Operations and Improvements
2006	• The River Terrace Bioventing System was put on-line in January 2006. Monitoring data from that project is submitted in a separate report to the regulatory agencies. • During the week of February 13, 2006 seven sump wells were installed along the bluff north of the barrier wall. These wells were drilled in accordance with the North Barrier Wall Work Plan which was submitted to OCD February 7, 2006. • Fluids extraction from the observation and collection wells, the north draws, and the sump wells continued throughout 2006. • As a matter of preventive maintenance, the lined containments in the draws north of the slurry wall were upgraded periodically.
2007	• On May 31, 2007, Giant Industries, Inc. became a wholly owned subsidiary of Western Refining, Inc. of El Paso, Texas. • Construction of the Ammonia Refrigeration Unit (ARU) was completed and the system put online by March 2007. This unit is used to recover propane from hydrogen streams. • Construction of the Benzene Stripper was completed, and the system put in service by October 2007. This unit is used to strip benzene from process wastewater. • Discharge piping was installed at RW #1 to increase the recovery capacity of the well. • As a matter of preventive maintenance, the lined containments in the draws north of the slurry wall (Seeps 1-9) were upgraded periodically.
2008	• The Facility-Wide Groundwater Monitoring Plan (Revised May 2008) was approved and implemented in the latter half of 2008. • In September, Group No. 2 RCRA Site Investigation activities commenced. Areas included in Group No. 2 are SWMU No. 2, SWMU No. 8, SWMU No. 9, SWMU No. 11, and SWMU No. 18. • As part of the Closure Plan North and South Aeration Lagoons the ponds were drained, cleaned out, inspected, repaired, and put back in service. This process started in October 2008 and was completed in February 2009.
2009	• In March, monitoring wells were installed around the Aeration Lagoons to satisfy Group No. 1 RCRA site investigation requirements. Group No. 3 Site Investigation activities began in April. This group includes SWMU No. 4, SWMU No. 5, AOC No. 22, AOC No. 23, AOC No. 24, AOC No. 25, and AOC No. 26. • On November 23, 2009, Western Refining indefinitely suspended refining operations at the Bloomfield Refinery. The crude unloading and product loading racks, storage tanks and other supporting equipment remain in operation.

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Year	Facility Operations and Improvements
2010	• In January 2010, due to analytical results indicating high benzene levels, piping was installed to permanently route discharge water from Tank 33 to the API Separator. • In August, Group No. 4 and Group No. 5 investigation field activities were conducted which included the installation of three monitoring wells.
2011	• In August 2012, Group No. 6 RCRA Investigation activities were conducted, which involved soil sampling within each of the Seep Areas located along the northwest portion of the facility.
2012	• In January 2012 the group 8 RCRA Investigation activities commenced, which involved soil sampling within SMWU No. 3 – Underground Piping Currently in Use, and SWMU No. 6 – Abandoned Underground Piping. • On October 12, 2012, NMED Hazardous Waste Bureau approved a Work Plan submitted by Western dated October 9, 2012 authorizing Western to optimize the remediation efforts at the River Terrace. Optimization activities conducted in 2012 included the removal of approximately 250 cubic yards of impacted clay-type soil from the River Terrace, and conversion of a portion of the biovent system to an air sparging system in efforts to target the most impacted groundwater area located within the southwest corner of the River Terrace. • In the third quarter 2012, Western commenced work that involves enhancement of the total fluids recovery system. This work involves transitioning five monitoring wells (MW 20, MW- 55, MW-56, MW-57, and MW-58) and one recovery well (RW-3) to operational total fluids recovery wells. RW-3 was returned to operation by the fourth quarter 2012. Operation of the monitoring wells located near the aeration lagoons is expected to begin in April 2013.
2013	• In the first quarter 2013, Western completed work that involves enhancement of the total fluids recovery system. This work involved transitioning five monitoring wells to active total fluids recovery wells (MW-20, MW-55, MW-56, MW-57, and MW-58). Operation of the monitoring wells located near the aeration lagoons has commenced. • In June 2013, Western removed two former diesel dispenser pumps, storage tank, associated piping, former fueling pad and approximately 500 cubic yards of soil. Soil samples confirmed all the impacted soil was removed from the immediate vicinity of the former diesel fueling pumps. • In 2013 Western replaced Tank 37, Tank 38 and Tank 34 with new equivalent tanks. Tank 37 and Tank 34 containments were also lined. • Well MW-70 was developed on May 22, 2013 and baseline samples were collected on June 13, 2013.

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Year	Facility Operations and Improvements
2014	• In 2014 Western Refining preformed an environmental site investigation for the SWMUs designated as Group 9 and SWMU No. 27 Wastewater Collection System. Group 9 includes SWMU No. 12 (API Separator), SWMU No. 13 (Process Area) and SWMU No. 14 (Tanks 3, 4, and 5) • In August 2014, NMED was notified of a significant rain event that resulted in severe flash flooding in the Bloomfield, New Mexico area. The storm caused the Hammond ditch to reverse flow directions, resulting in the entire roadway along the north boundary barrier to fill with water. The significant run-off along the river bluff resulted in Seep 4, Seep 6, Seep 7, Seep 8 and Seep 9 to permanently erode away due to the heavy surface run-off. Prior to the flooding event, these locations were no longer actively collecting seep water due to the existence of the north boundary barrier and had previously been investigated as part of the 2007 Consent Order. Therefore, as of August 2014, the only existing catchment locations are Seep 1, Seep 2, Seep 3, and Seep 5.
2015	• In 2015 routine groundwater and surface water sampling were conducted per the approved Facility-Wide Groundwater Monitoring Plan.
2016	• Routine groundwater and surface water sampling were conducted in 2016.
2017	• The terminal operated as usual in 2017 without any deviations from normal operations. • There were no reportable leaks, spills, or releases in 2017. There was no indication of expanding groundwater contamination and routine corrective action was implemented to address the known plume. • Fluids were observed in the leachate collection system in the North and South Evaporation ponds, as was also previously observed in prior years since the ponds were constructed. A summary of the fluids was previously provided in correspondence to the OCD dated June 23, 2017. • Information on the volume of water placed in the evaporation ponds and ultimately disposed in the injection well is provided in the Annual Report for the injection well. The new injection well was put into service in 2017, the details of which are provided in the Annual Report for the injection well. • Routine groundwater and surface water sampling were conducted in 2017. • Discharge Permit GW-001 was renewed on June 8, 2017.

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Year	Facility Operations and Improvements
2018	• The terminal operated as usual in 2018 without any deviations from normal operations. • On May 17, 2018 a release of slop oil was discovered at a culvert that crosses beneath County Road 4990. The material described as slop oil consists of petroleum products that originate at the truck loading rack and crude oil that originates at the crude oil unloading rack. The pipeline was evacuated of hydrocarbons and free liquids were removed. Impacted soils were removed and the excavation was backfilled due to potential traffic hazards along the immediately adjacent county road. In October 2018 an Investigation Work Plan was submitted to OCD and NMED. • Routine groundwater and surface water sampling were conducted in April and August 2018.
2019	• The terminal operated as usual in 2019 without any deviations from normal operations. • Routine groundwater and surface water sampling events were conducted in April and August 2019.
2020	• The terminal operated as usual in 2020 without any deviations from normal operations. • A routine groundwater and surface water sampling event was conducted in August 2020. Fluid level measurements were collected in May and August 2020.
2021	• The routine semiannual full terminal sampling event, including fluid level measurements, was conducted in April 2021. • The routine annual low-flow full terminal sampling event, including fluid level measurements, was conducted in August 2021.
2022	• The routine semiannual full terminal sampling event, including fluid level measurements, was conducted in April 2022. • The routine annual low-flow full terminal sampling event, including fluid level measurements, was conducted in August 2022.
2023	• The routine semiannual full terminal sampling event, including fluid level measurements, was conducted in April 2023. • The routine annual low-flow full terminal sampling event, including fluid level measurements, was conducted in August 2023.
2024	• The routine semiannual full terminal sampling event, including fluid level measurements, was conducted in April 2024. • The routine annual low-flow full terminal sampling event, including fluid level measurements, was conducted in August 2024.

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APPENDIX B

Bloomfield Terminal 2024 Sample Collection Documentation

Groundwater Sample Collection Form

Sample ID: MW-30

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 10:35
Sample Date: 4-17-24
Depth to Water: 35.17
Time: 10:20

Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 40.14
Depth to Product: NA

Vol. of Water to Purge: Low-Flow (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
10:20	0.25	0.25	7.31	19.42	-265.1	2.31	1.97	3.02	Clear colorless
10:23	0.25	0.50	7.12	17.65	-262.7	0.68	2.01	3.10	
10:26	0.25	0.75	7.12	17.54	-258.7	0.11	1.99	3.06	
10:29	0.25	1.00	7.12	17.53	-258.4	0.04	1.99	3.05	
10:32	0.25	1.25	7.12	17.51	-257.9	0.00	1.98	3.05	

Comments: Sample for BTEX, MTBE

Describe Deviations from SOP:

Signature: [signature]

Date: 4-17-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 12:30
Sample Date: 4-17-24
Depth to Water: 20.18
Time: 12:20

Sample ID: MW-1
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 21.24
Depth to Product: NA

Vol. of Water to Purge: Grab Sample (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments:

Describe Deviations from SOP: Grab Sample insufficient water to purge

Signature: E C

Date: 4-17-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: ~~4-18-24~~ 1305
Sample Date: 4-18-24
Depth to Water: 41.42
Time: 12:40

Sample ID: MW-13
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 52.85
Depth to Product: NA

Vol. of Water to Purge: Low-Flow (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: ↓

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (~~F~~ C)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ~~ms~~)	Comments
12:45	1.00	1.00	7.26	17.67	3.2	1.83	1.93	2.97	Clear colorless
12:48	0.50	1.50	7.24	17.63	6.1	0.81	1.94	2.99	↓
12:51	0.50	2.00	7.23	17.60	15.0	0.43	1.18	1.82	
1254	0.50	2.50	7.23	17.61	21.3	0.11	1.79	2.76	
1257	0.50	3.00	7.23	17.58	21.7	0.08	1.81	2.74	
1300	0.50	3.50	7.22	17.58	21.8	0.07	1.83	2.75	↓

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-18-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 13:22
Sample Date: 4-18-24
Depth to Water: 24.39
Time: 13:10

Sample ID: MW-33
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 25.50
Depth to Product: NA

Vol. of Water to Purge: 2.1 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1311	0.5	0.5	8.38	16.76	1.3	7.10	2.75	4.24	clear colorless

Comments: DRy @ 0.60 gallons allow recharge to ~~25~~ 24.80 and Sample

Describe Deviations from SOP:

Signature: [signature]

Date: 4-18-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1400
Sample Date: 4-18-24
Depth to Water: 10.54
Time: ~~11~~ 1330

Sample ID: MW-17
Project Location: Bloomfield, NM
Sampler: E. Corrow
Matrix: Groundwater

Total Depth of Well: 13.36
Depth to Product: NA

Vol. of Water to Purge: Low Flow Peri pump (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: ↓
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°C)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1335	0.25	0.25	7.38	17.65	-36.2	2.38	1111	1.73	clear colorless
1338	0.25	0.50	7.22	17.43	-42.6	1.87	1065	1.69	↓
1341	0.25	0.75	7.21	17.29	-44.1	1.07	1059	1.69	
1344	0.25	~~0.25~~ 1.0	7.21	17.24	-44.3	0.88	1061	1.68	
1347	0.25	1.25	7.21	17.22	-44.4	0.73	1061	1.68	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-18-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 12:46
Sample Date: 4-22-24
Depth to Water: 22.46
Time: 1225

Sample ID: MW-35
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 25.62
Depth to Product: NA

Vol. of Water to Purge: 1.5 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
12:30	0.5	0.5	7.48	15.16	-27.5	2.98	2.36	3.54	Turbid gray
12:32	0.5	1.0	7.48	15.27	-97.5	2.80	2.27	3.56	↓
12:34	0.5	1.5	7.48	15.25	-98.4	2.76	2.26	3.48	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-22-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 12:15
Sample Date: 4-22-24
Depth to Water: 23.58
Time: 1200

Sample ID: MW-37
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 27.35
Depth to Product: NA

Vol. of Water to Purge: NA (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Low-Flow
Method of Sampling: Low-Flow

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1202	0.25	0.25	7.49	18.89	7.5	1.32	2.58	3.97	clear colorless
1204	0.25	0.50	7.49	18.34	8.0	0.46	2.77	4.26	
1206	0.25	0.75	7.50	17.63	8.2	0.13	2.76	4.24	
1208	0.25	1.00	7.49	17.44	8.4	0.08	2.77	4.25	
1210	0.25	1.25	7.48	17.39	8.7	0.07	2.75	4.23	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-22-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 11:30
Sample Date: 4-22-24
Depth to Water: 23.55
Time: 11:05

Sample ID: MW-38
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 26.82
Depth to Product: NA

Vol. of Water to Purge: ~~Bailer~~ 1.6 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1110	0.5	0.5	7.56	17.69	-8.0	3.93	1.93	2.96	Slight turbid yellow brown
1113	0.5	1.0	7.46	17.28	-21.4	3.61	1.72	2.65	↓
1116	0.5	1.5	7.45	17.13	-22.1	3.48	1.69	2.63	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-22-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1310
Sample Date: 4-22-24
Depth to Water: 9.33
Time: 12:50

Sample ID: CW 0760
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 13.39
Depth to Product: NA

Vol. of Water to Purge: NA (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Low-flow
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
12:57	0.25	0.25	7.63	14.21	-74.4	1.12	1.57	2.42	clear colorless
13:00	0.25	0.50	6.88	14.24	-72.9	0.36	1.36	2.11	↓
1303	0.25	0.75	6.88	14.24	-68.5	0.11	1.20	1.84	
1306	0.25	1.00	6.88	14.23	-68.1	0.03	1.15	1.76	
1309	0.25	1.25	6.88	14.23	-67.8	0.02	1.16	1.75	

Comments: Duplicate "Dup B" collected

Describe Deviations from SOP:

Signature: [signature]

Date: 4-22-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1310
Sample Date: 4-17-24
Depth to Water: 14.21
Time: 1300

Sample ID: OW 3+85
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 15.08
Depth to Product: N/A

Vol. of Water to Purge: 0.4 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1308	0.4	0.4	7.40	14.74	-276.1	1.71	2.21	3.40	Black solids turbid

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-17-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time:
Sample Date: 4-18-24
Depth to Water: 12.92
Time:

Sample ID: OW 11+15
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 16.60
Depth to Product: NA

Vol. of Water to Purge: 1.8 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1100	0.5	0.5	7.12	15.09	-129.2	3.44	1.02	1.57	Slight sheen clear colorless
1102	0.5	1.0	7.11	15.05	-129.4	3.39	1.01	1.54	↓
1104	0.8	1.8	7.09	15.03	-129.7	3.37	1.04	1.51	

Comments: Duplicate "Dup A" collected

Describe Deviations from SOP:

Signature: [signature]

Date: 4-18-23

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: ~~4-17-24~~ 1130
Sample Date: 4-18-24
Depth to Water: 13.34
Time: 13:40

Sample ID: OW 16+60
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 15.24
Depth to Product: NA

Vol. of Water to Purge: 0.9 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1345	0.33	0.33	7.52	18.23	-208.3	2.25	2.80	4.30	clear colorless light sheen

Comments: well went dry @ 0.33 gallons return 4-18-24 to sample

Describe Deviations from SOP:

Signature: [signature]

Date: 4-18-23

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1410
Sample Date: 4-17-24
Depth to Water: 12.95
Time:

Sample ID: OW 22+00
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 14.15
Depth to Product: NA

Vol. of Water to Purge: 0.5 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1402	0.25	0.25	7.48	18.58	-131.2	2.99	2.61	4.02	Clear colorless
1404	0.25	0.50	7.47	18.36	-123.6	2.13	2.61	4.01	

Comments: Sample for BTEX, MTBE, TPH GRO, DRO, MRO

Describe Deviations from SOP:

Signature: [signature]

Date: 4-17-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 4-17-24
Sample Date: 14:30
Depth to Water: 17.02
Time: 14:15

Sample ID: OW 23+10
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 18.34
Depth to Product: NA

Vol. of Water to Purge: 0.6 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
14:16	0.33	0.33	7.54	17.88	-52.8	1.75	2.59	3.98	Clear & odorless
14:18	0.33	0.66	7.52	17.84	-62.1	1.63	2.59	3.98	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-17-23

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1200
Sample Date: 4-18-24
Depth to Water: 11.63
Time: 1145

Sample ID: OW 25+76
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 13.95
Depth to Product: NA

Vol. of Water to Purge: 1.1 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1150	0.25	0.25	7.14	18.3	-75.1	3.67	1.56	2.40	clear colorless
1153	0.50	0.75	7.15	17.2	-65.2	3.55	1.75	2.70	↓
1156	0.50	1.25	7.15	17.1	-64.3	3.47	1.74	2.68	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-18-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1220
Sample Date: 4-18-24
Depth to Water: 8.69
Time: 1210

Sample ID: CW 25+95
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 12.04
Depth to Product: NA

Vol. of Water to Purge: 1.6 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1212	0.5	0.5	7.14	16.88	-61.8	3.43	1.94	3.01	clear yellowish
1214	0.5	1.0	7.16	16.63	-64.7	2.98	1.97	3.03	
1216	0.5	1.5	7.16	16.61	-67.1	2.79	1.97	3.02	"

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-18-24

Groundwater Sample Collection Form

Sample ID: upstream

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring

Project Location: Bloomfield, NM

Project Number: 07A2015013

Sampler: E. Carroll

Sample Time: 1345

Matrix: Groundwater

Sample Date: 4-22-24

Depth to Water: NA

Total Depth of Well: NA

Time:

Depth to Product: NA

Vol. of Water to Purge: Surface water (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Method of Purging:

Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ms)	Comments
1345	—	—	8.49	19.00	-58.8	8.40	0.25	0.39	Clear Colorless

Comments: Clear Colorless

Describe Deviations from SOP:

Signature:

Date: 4-22-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1400
Sample Date: 4-22-24
Depth to Water: NA
Time:

Sample ID: N of 46
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: NA
Depth to Product: NA

Vol. of Water to Purge: (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1400	—	—	8.46	18.93	-56.3	8.36	0.71	0.39	Clear colorless

Comments:

Describe Deviations from SOP:

Signature:

Date: 4-22-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1445
Sample Date: 4-22-24
Depth to Water: N/A
Time:

Sample ID: NOF 45
Project Location: Bloomfield, NM
Sampler:
Matrix: Groundwater

Total Depth of Well:
Depth to Product:

Vol. of Water to Purge: Surface sample (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1445	—	—	8.48	19.03	-59.1	8.40	0.23	0.37	Clear colorless

Comments:

Describe Deviations from SOP:

Signature:

Date: 4-22-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1500
Sample Date: 4-22-24
Depth to Water: NA
Time:

Sample ID: Down Stream
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: NA
Depth to Product: NA

Vol. of Water to Purge: (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (~~F~~) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS ppt	Conductivity (us or ~~ms~~)	Comments
1500	—	—	8.49	19.05	-57.6	8.42	0.26	0.41	Clear colorless

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 4-22-24

Received by OCD: 4/25/2025 3:38:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time:
Sample Date: 8/8/24
Depth to Water: 31.24
Time:

Sample ID: RW-1
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 40.89
Depth to Product:

Vol. of Water to Purge: (40.89 − 31.24) × 0.6524 × 3 = 18.89 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: Black, sheen, heavy hydrocarbon + sulfur odor.

Describe Deviations from SOP: Did not sample due to product presence

Signature: [signature]

Date: 8/8/24

Released to Imaging: 5/9/2025 1:04:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0800
Sample Date: 8/9/24
Depth to Water: 24.78'
Time:

Sample ID: RW-09
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 31.95'
Depth to Product: —

Vol. of Water to Purge: (31.95 - 24.78) x 0.6524 x 3 = 14.03 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: ~~Peristaltic Pump~~ me Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: Heavy odor, heavy sheen, yellow/grey coloration w/ some product drops.

Describe Deviations from SOP: Did not sample, product heavy.

Signature: Meredith Roberts **Date:** 8/9/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0850
Sample Date: 8/9/24
Depth to Water: 23.26'
Time:

Sample ID: RW-23
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 35.35'
Depth to Product: —

Vol. of Water to Purge: (35.35 - 23.26) x 0.6524 x 3 = 23.67 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: ~~Peristaltic Pump~~ Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: First bailer, slight odor, clear. Second 0.25 gal bailer strong odor, heavy sheen, black w/ product drops

Describe Deviations from SOP: Did not sample due to product presence.

Signature: Meredith Roberts

Date: 8/9/24

Received by OCD: 4/25/2025 3:38:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1145
Sample Date: 8/7/24
Depth to Water: 19.90'
Time:

Sample ID: MW-1
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater
Total Depth of Well: 21.42'
Depth to Product: —

Vol. of Water to Purge: (21.42-19.90) · 0.6524 · 3 = 2.97 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No sheen, no odor, clear to brown silty/opaque

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate

Signature: [signature] Date: 8/7/24

Released to Imaging: 5/9/2025 1:04:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1450
Sample Date: 8/7/24
Depth to Water: 28.00'
Time:

Sample ID: MW-4
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 29.83'
Depth to Product: —

Vol. of Water to Purge: (29.83-28.00) x 0.6524 x 3 = 3.58 gal
Method of Purging:
Method of Sampling: Bailer

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									slight odor, grey/brown opaque, no sheen

Comments:

Describe Deviations from SOP: insufficient water for purging/parameter, slow recharge rate
Sampled for VOCs, TPH(GRO, DRO, MRO), Anions

Signature: [signature]

Date: 8/7/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1030
Sample Date: 8/7/24
Depth to Water: 33.46'
Time: ~~10m~~

Sample ID: MW-08
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 34.75
Depth to Product: —

Vol. of Water to Purge: (34.75 - 33.46') x 0.6524 x 3 = 2.525 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No sheen ~~odor~~, no odor, silty brown

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate
Sampled for VOCs, TPH(GRO, DRO, MRO), General Chem Alkalinity + Anions

Signature: [signature]

Date: 8/7/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 12:15
Sample Date: 8-14-24
Depth to Water: 12.43
Time: 11:40

Sample ID: MW-11
Project Location: Bloomfield, NM
Sampler:
Matrix: Groundwater

Total Depth of Well: 22.32
Depth to Product: NA

Vol. of Water to Purge: 19.3
Method of Purging: Geosub low-flow
Method of Sampling: Geosub

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
11:40	1	1	7.04	17.8	-106.9	3.35	1924	2.55	clear colorless
11:45	3	4	7.06	17.7	-100.3	1.71	1931	2.55	
11:50	3	7	7.09	17.5	-93.1	0.47	1930	2.54	
11:55	3	10	7.08	17.5	-92.8	0.08	1930	2.54	
12:00	3	13	7.08	17.4	-92.7	0.04	1928	2.54	
12:05	2	15	7.09	17.4	-90.9	0.02	1926	2.54	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/14/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1120
Sample Date: 8/13/24
Depth to Water: 41.25'
Time:

Sample ID: MW-13
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 52.85'
Depth to Product: —

Vol. of Water to Purge: (52.85-41.25) x 0.6524 x 3 = 22.70 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. °C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1055	0.5gal	0.5	7.20	24.3	-21.3	5.82	1893	2.877	No odor, no sheen, clear.
1100	0.5gal	1	7.24	24.4	-22.9	3.20	1624	3.234	↓
1102	0.25gal	1.25	7.23	24.2	-22.8	3.05	2122	3.236	
1105	0.25gal	1.5	7.25	24.5	-24.0	3.23	2124	3.238	
1107	0.25gal	1.75	7.26	24.6	-24.0	3.24	2136	3.245	

Comments:

Describe Deviations from SOP:

Signature: Meredith Roberts

Date: 8/13/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0910
Sample Date: 8/9/24
Depth to Water: 20.62'
Time:

Sample ID: MW-20
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 24.99'
Depth to Product: —

Vol. of Water to Purge: (24.99 - 20.62) x 0.6524 x 3 = 8.55 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: ~~Peristaltic Pump~~ Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: Heavy odor, heavy sheen, yellow/grey coloration + product drops

Describe Deviations from SOP: Did not sample due to product presence

Signature: [signature]

Date: 8/9/24

24H

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0940
Sample Date: 8/9/24
Depth to Water: 21.46'
Time:

Sample ID: MW-21
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 30.44'
Depth to Product: —

Vol. of Water to Purge: (30.44 - 21.46) x 0.6524 x 3 = 17.18 gal
Method of Purging: ~~Peristaltic~~ Pump or Bailer
Method of Sampling: ~~PML~~

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: Some odor, heavy sheen. Yellow/ grey coloration w/ product drops.

Describe Deviations from SOP: Did not sample due to product presence.

Signature: [signature]

Date: 8/9/24

29.4
-25.47
18.32
6.85 ft .6524
685
4.46

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: ~~1057~~ ~~1155~~ 1155
Sample Date: 8/26/24
Depth to Water: 18.32
Time: 1131

Sample ID: MW-26
Project Location: Bloomfield, NM
Sampler: Eric. C
Matrix: Groundwater

Total Depth of Well: 25.17
Depth to Product:

Vol. of Water to Purge: 4.4 gallons x 3 purge = 13.2 gallons (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Hand bailing
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1133	4.5	4.5	7.15	18.1°C	-96.8	59.3	1827	2.439	Clear/colorless
1143	4.5	4.5	7.12	17.7°C	-88.8	59.6	1823	2.417	Clear/colorless - light odor
1150	4.5	4.5	7.13	17.7°C	-85.6	73.6	1824	2.417	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/26/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0935
Sample Date: 8/8/24
Depth to Water: 23.23'
Time:

Sample ID: MW-27
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 24.42'
Depth to Product: —

Vol. of Water to Purge: (24.42 - 23.23) x 0.6524 x 3 = 2.33 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No odor, no sheen, ~~some~~ silty, brown.

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate. Sampled for VOCs, TPH(GRO, DRO, MRO, Total Recoverable Metals, Total Dissolved Metals

Signature: [signature] Date: 8/8/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1255
Sample Date: 8/12/24
Depth to Water: 23.48'
Time:

Sample ID: MW-29
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 28.74'
Depth to Product: —

Vol. of Water to Purge: (28.74 - 23.48) × 0.6524 × 3 = 10.29 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: "

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F/°C)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1243	1 gal	1	7.02	17.8	11.3	9.54	2536	3.370	No odor, no sheen, clear/brown sediment particles
1245	0.25 gal	1.25	7.06	17.8	13.7	7.90	2625	3.484	↓
1247	0.25 gal	1.5	7.06	17.8	13.3	7.44	2624	3.481	
1249	0.25 gal	1.75	7.06	17.7	13.1	7.52	2618	3.482	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/12/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time:
Sample Date: 8/12/24
Depth to Water: 35.17'
Time:

Sample ID: MW-30
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 40.14'
Depth to Product: —

Vol. of Water to Purge: (40.14-35.17) x 0.6524 x 3 = 9.73 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: —

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									Strong hydrocarbon + sulfurous odor.
									No sheen but clear w/ product
									droplets.

Comments:

Describe Deviations from SOP: Did not sample due to product presence

Signature: [signature]

Date: 8/12/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1230
Sample Date: 8/26/24
Depth to Water: 35.03
Time: 12:15

Sample ID: MW-31
Project Location: Bloomfield, NM
Sampler: E Carroll
Matrix: Groundwater

Total Depth of Well: 39.29
Depth to Product: —

Vol. of Water to Purge: 8.3 gallons
Method of Purging: Hand Bail
Method of Sampling:

2.77 gal
(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1220	2.7	2.7	7.48	17.9°C	-186.0	51.1	~~1750~~	2.063	Dark Grey/Clear
1226	2.7	2.7	7.61	18.2°C	-197.3	80.0	1572	2.113	Dark Grey/Cloudy
—	—	—	—	—	—	—	—	—	Starting to run dry
									Slow Recharge

Comments: —

Describe Deviations from SOP: —

Signature: [signature]

Date: 8/26/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1300
Sample Date: 8-14-24
Depth to Water: 25.73
Time: 1230

Sample ID: MW-32
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 27.54
Depth to Product: NA

Vol. of Water to Purge: 3.5
Method of Purging: Bailer
Method of Sampling: Bailer

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1230	0.5	0.5	8.03	16.6	-18.6	6.94	3438	4.44	clear colorless
1234	0.5	1.0	~~8.79~~	16.6	-8.3	5.76	3465	4.41	SAA

Comments: Dry @ 1.2 gallons

Describe Deviations from SOP: Bailer purge no flow from pump. well dry Sample next day. well ran dry while sampling only sample VOC's & TPH

Signature: E. Carroll

Date: 8-14-24

Received by OCD: 4/25/2025 3:38:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0950
Sample Date: 8/8/24
Depth to Water: 24.95'
Time:

Sample ID: MW-33
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater
Total Depth of Well: 25.50
Depth to Product:

Vol. of Water to Purge: (25.50-24.95) x 0.6524 x 3 = 1.08 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No odor, no sheen, clear

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate. Sampled for VOCs + TPH (GRO, DRO, MRO)

Signature: [signature] Date: 8/8/24

Released to Imaging: 5/9/2025 1:04:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: —
Sample Date: 8/26/24
Depth to Water: 14.17
Time: 11:21

Sample ID: MW-34
Project Location: Bloomfield, NM
Sampler:
Matrix: Groundwater

Total Depth of Well: 14.87
Depth to Product: —

Vol. of Water to Purge: NA
Method of Purging:
Method of Sampling:

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: Not sampled, insufficient H2O

Describe Deviations from SOP:

Signature: [signature]

Date: 08/26/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 11:00
Sample Date: 8/26/24
Depth to Water: 23.63
Time: 10:45

Sample ID: MW 37
Project Location: Bloomfield, NM
Sampler: E. Carrol
Matrix: Groundwater

Total Depth of Well: 27.44
Depth to Product: —

Vol. of Water to Purge: 1.8 gallons
Method of Purging:
Method of Sampling:

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
10:52	.5	.5	7.56	16.0	-81.9	59.1	1929	2.957	
—	.5	1	—	—	—	—	—	—	→ not going to purge anymore b/c it ran dry.
—	.5	1.5	—	—	—	—	—	—	

Comments:

Describe Deviations from SOP:

Signature:

Date: 08/26/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0925
Sample Date: 8/13/24
Depth to Water: 23.68'
Time: —

Sample ID: MW-38
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 26.82'
Depth to Product: —

Vol of Water to Purge: (26.82 - 23.68) × 0.1631 × 3 = 1.54 gal
Method of Purging: —
Method of Sampling: Bailer

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: No odor, no sheen, clear.

Describe Deviations from SOP: Insufficient water for purging/parameters. Slow recharge rate.

Signature: [signature]

Date: 8/13/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0900
Sample Date: 8/8/24
Depth to Water: 28.41'
Time:

Sample ID: MW-40
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 29.56'
Depth to Product: —

Vol. of Water to Purge: (29.56 - 28.41) * 0.1631 * 3
(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									NO sheen, slight odor, brown/opaque

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate. DUP-A collected from well. Collected for VOCs + TPH (GRO, DRO, MRO)

Signature: [signature]

Date: 8/8/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1135
Sample Date: 8/12/24
Depth to Water: 35.61
Time:

Sample ID: MW-44
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 50.92
Depth to Product: —

Vol. of Water to Purge: (50.92 − 35.61) × 0.1631 × 3 = 7.49 gal
Method of Purging: Peristaltic Pump
Method of Sampling:

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. °C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1120	1 gal	1	7.15	17.1	-18.2	7.31	3547	4.660	No odor, no sheen, clear
1123	0.25 gal	1.25	7.15	17.4	-18.0	7.54	3605	4.748	↓
1126	0.25 gal	1.50	7.16	17.6	-18.4	7.37	3601	4.755	↓

Comments:

Describe Deviations from SOP:

Signature: Meredith Roberts

Date: 8/12/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1310
Sample Date: 8/8/24
Depth to Water: 17.94
Time:

Sample ID: MW-50
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 22.06
Depth to Product: —

Vol. of Water to Purge: (22.06 - 17.94) × 0.6524 × 3 = 8.06 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: "

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1245	1 gal	1 gal	7.49	66.47	53.3	0.64	386.01	527.15	clear, no sheen, no odor
1250	0.5 gal	1.5 gal	7.62	65.06	46.3	0.16	382.26	513.27	
1254	0.5 gal	2 gal	7.61	64.96	44.8	0.15	403.37	539.98	
1257	0.25 gal	2.25 gal	7.60	64.70	37.4	0.09	398.87	530.79	
1300	0.25 gal	2.5 gal	7.57	64.44	24.8	0.11	395.62	526.43	
1303	0.25 gal	2.75 gal	7.54	64.40	25.9	0.10	361.58	489.95	
1307	0.25 gal	3 gal	7.51	64.39	19.1	0.09	356.91	477.57	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/8/24

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Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1420
Sample Date: 8/8/24
Depth to Water: 14.79'
Time:

Sample ID: MW-51
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 22.11'
Depth to Product: —

Vol. of Water to Purge: (22.11 − 14.79) × 0.6524 × 3 = 14.33 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1339	0.75gal	0.75gal	7.41	69.00	80.1	3.60	227.50	321.31	clear, no odor, no sheen
1343	0.25gal	1 gal	7.39	68.83	85.9	3.45	213.19	299.11	
1347	0.75gal	1.75gal	7.36	69.14	90.3	3.07	211.93	349.89	
1350	0.25gal	2 gal	7.38	68.47	91.3	2.87	212.35	291.07	
1353	0.25gal	2.25gal	7.39	68.74	91.1	2.69	235.81	297.57	
1358	0.5gal	2.75gal	7.41	68.28	90.8	2.51	209.38	292.16	
1401	0.5gal	3.25gal	7.44	68.15	90.2	2.42	227.53	319.42	
14.04	0.5gal	3.75gal	7.47	68.50	88.8	2.32	225.22	310.77	
14.07	0.5gal	4.25gal	7.49	68.37	88.1	2.21	189.91	262.84	
14.11	0.5gal	4.75gal	7.50	68.66	88.2	2.24	185.88	260.16	
1415	0.25gal	5 gal	7.51	68.62	86.7	2.15	200.95	276.70	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/8/24

Received by OCD: 4/25/2025 3:38:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1035
Sample Date: 8/12/24
Depth to Water: 37.83'
Time:

Sample ID: MW-52
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 41.69
Depth to Product:

Vol. of Water to Purge: (41.69 − 37.83) × (0.6524) × 3 = 7.55 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: "

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. °C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms) mS/cm	Comments
1016	1 gal	1	6.58	16.3	13.8	44.9	2598	3.327	No sheen, no odor, clear/yellowish
1019	0.25 gal	1.25	6.58	16.3	13.3	45.4	3158	4.050	↓
1021	0.25 gal	1.5	6.60	16.4	12.5	43.0	3094	4.060	
1024	0.25 gal	1.75	6.62	16.4	11.6	42.6	3016	3.882	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/12/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: ~~1250~~ 1300
Sample Date: 8/9/24
Depth to Water: 40.17
Time:

Sample ID: MW-53
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 43.51'
Depth to Product: —

Vol. of Water to Purge: (43.51 - 40.17) * 0.6524 * 3 = 6.54 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS (ppm)	Conductivity (us or ms)	Comments
1243	0.5 gal	0.5 gal	7.65	64.72	132.0	3.16	1791.1	2405.4	No odor, no sheen, clear
1245	0.5 gal	1 gal	7.61	63.02	138.5	4.03	2043.5	2688.7	↓
1247	0.25 gal	1.25 gal	7.53	62.85	132.3	3.33	2119.4	2777.6	↓
1248	0.25 gal	1.5 gal	7.52	62.59	128.5	3.22	2116.0	2765.5	↓
1250	0.25 gal	1.75 gal	7.51	63.78	120.8	3.22	2116.6	2800.5	↓

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/12/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: —
Sample Date: 8/8/24
Depth to Water: 32.38'
Time:

Sample ID: MW-54
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 38'
Depth to Product: —

Vol. of Water to Purge: (38 - 32.38) × 0.6524 × 3 = 11 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: Odor, sheen, grey w/ black product

Describe Deviations from SOP: Did not sample due to product presence

Signature: [signature]

Date: 8/8/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: —
Sample Date: 8/8/24
Depth to Water: 19.07'
Time:

Sample ID: MW-57
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 21.01'
Depth to Product: —

Vol. of Water to Purge: (21.01 - 19.07) × 0.6524 × 3 = 3.80 gal
Method of Purging: Bailer
Method of Sampling:

(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments:

Describe Deviations from SOP: Did not sample. Strong hydrocarbon odor + sheen

Signature: [signature]

Date: 8/8/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1425
Sample Date: 8-9-24
Depth to Water: 44.22
Time: 1414

Sample ID: MW-59
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 46.86
Depth to Product: NA

Vol. of Water to Purge: 1.2 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1415	0.25	0.25	7.02	18.3	133.8	6.67	2718	3.66	clear colorless
1417	0.25	0.50	7.01	18.2	133.1	6.63	2719	3.66	SAA
1418	0.25	0.75	7.04	18.0	118.7	4.81	2673	3.57	Turbid red-brown
1419	0.25	1.00	7.04	18.0	116.4	3.71	2669	3.57	↓
1420	0.25	1.25	7.03	17.9	115.8	3.22	2658	3.57	↓

Comments: NO flow from pump

Describe Deviations from SOP: Bailer purge/sample

Signature: Ellie Carroll

Date: 8/9/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1410
Sample Date: 8-14-24
Depth to Water: 56.95
Time: 1340

Sample ID: MW-62
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 61.25
Depth to Product: NA

Vol. of Water to Purge: 8.4 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Geosub Low-Flow
Method of Sampling: Geosub

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1340	1	1	7.03	17.8	98.4	3.21	4088	5.45	clear-colorless
1345	1.5	2.5	6.89	17.6	70.9	1.88	4440	5.87	↓
1350	1.5	4.0	7.00	17.8	35.7	0.27	4421	5.87	
1355	1.5	5.5	7.02	17.7	46.3	0.08	4427	5.87	
1400	1.5	7.0	7.03	17.7	49.8	0.03	4431	5.87	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8-14-24

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Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 11:50
Sample Date: 8-9-24
Depth to Water: 45.66
Time: 11:20

Sample ID: MW-63
Project Location: Bloomfield, NM
Sampler: E. Carroll
Matrix: Groundwater

Total Depth of Well: 47.80
Depth to Product: N/A

Vol. of Water to Purge: 4.2 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Low-Flow Geo-Sub
Method of Sampling: Geo-Sub

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
11:21	0.25	0.25	6.97	19.3	127.0	3.30	2661	3.66	Clear Colorless
11:26	0.50	0.75	6.97	19.4	133.4	1.12	2634	3.62	SAA
11:31	0.50	1.25	7.00	19.4	134.3	0.11	2516	3.46	SAA
11:36	0.50	1.75	7.00	19.3	134.2	0.06	2486	3.41	SAA
11:41	0.50	2.25	7.00	19.2	134.2	0.04	2486	3.40	SAA
11:46	0.50	2.75	7.01	19.2	134.1	0.04	2484	3.40	SAA

Comments:

Describe Deviations from SOP:

Signature: Eric Carroll **Date:** 8-9-24

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Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1025
Sample Date: 8/8/24
Depth to Water: 50.63'
Time:

Sample ID: MW-64
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 52.33'
Depth to Product:

Vol. of Water to Purge: (52.33 - 50.63) × 0.6524 × 3 = 3.33 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No odor, no sheen, yellowish-clear

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate
~~Sampled for MS~~

Signature: [signature]

Date: 8/8/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1315
Sample Date: 8-9-24
Depth to Water: 41.89
Time: 1305

Sample ID: MW-65
Project Location: Bloomfield, NM
Sampler: E. Correll
Matrix: Groundwater

Total Depth of Well: 44.22
Depth to Product: NA

Vol. of Water to Purge: 1.14 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: ~~Bailer~~ ~~Geosub pump~~ Bailer
Method of Sampling: ~~Bailer~~ Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. ~~(F)~~ C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1305	0.25	0.25	7.01	18.4	-112.2	2.44	2008	2.70	clear colorless
1306	0.50	0.75	6.98	18.6	-107.6	2.34	2089	2.82	Turbid black
1307	0.25	1.00	7.00	18.4	-103.0	2.30	2096	2.85	SAA
1308	0.25	1.25	7.00	18.4	-102.8	2.27	2098	2.85	SAA

Comments: NO flow w/ Geosub bailer used

Describe Deviations from SOP: ~~Bailer purge and sample~~ Bailer purge and sample not enough recharge for use of Geosub pump

Signature: Ellis Correll

Date: 8-9-24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1145
Sample Date: 8/9/24
Depth to Water: 21.96
Time:

Sample ID: MW-67
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 26.22
Depth to Product:

Vol. of Water to Purge: (26.22 - 21.96) x 0.1631 x 3 = 2.08 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: bailer
Method of Sampling: bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1133	0.75gal	0.75gal	7.85	61.46	125.3	6.21	487.61	628.71	No odor, no sheen, clear.
1135	0.5gal	1.25gal	7.74	60.52	117.0	6.05	499.36	635.31	↓
1136	0.25gal	1.5	7.72	60.23	112.8	5.97	520.00	659.38	
1137	0.25gal	1.75	7.70	60.12	110.1	5.92	527.29	667.49	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/9/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1040
Sample Date: 8/9/24
Depth to Water: 16.53
Time:

Sample ID: MW-68
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 21.08
Depth to Product: —

Vol. of Water to Purge: (21.08-16.53) * 0.6524 * 3 = 8.91 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: "

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1016	0.25gal	0.25	7.23	64.23	61.9	3.18	532.52	711.64	No odor, no sheen, clear
1019	0.25gal	0.5	7.18	64.46	70.2	2.81	534.57	719.15	
1022	0.25gal	0.75	7.15	64.28	71.7	2.55	551.90	735.19	
1026	0.5gal	1.25	7.12	64.70	69.7	1.99	571.43	764.48	
1030	0.25gal	1.5	7.12	65.33	67.9	1.98	584.61	788.19	
1033	0.25gal	1.75	7.13	66.04	65.8	2.03	592.15	806.23	

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/9/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1215
Sample Date: 8/9/24
Depth to Water: 26.78'
Time:

Sample ID: MW-70
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 28.91'
Depth to Product: —

Vol. of Water to Purge: (28.91 - 26.78) × 0.1631 × 3 = 1.04 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: No odor, no sheen, clear to silty brown

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate
Sampled only for VOCs, SVOCs, TPH(GRO, DRO, MRO)

Signature: Meredith Roberts **Date:** 8/9/24

Released to Imaging: 5/9/2025 1:04:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 0745
Sample Date: 8/9/24
Depth to Water: 30.25'
Time:

Sample ID: MW-71
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 37.96'
Depth to Product: —

Vol. of Water to Purge: (37.96 - 30.25) × 0.6524 × 3 = 15.09 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: Heavy odor + sheen, grey/black.

Describe Deviations from SOP: Did not sample due to product presence

Signature: [signature] **Date:** 8/9/24

Received by OCD: 4/25/2025 3:38:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: —
Sample Date: 8/8/24
Depth to Water: 29.89'
Time:

Sample ID: MW-73
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 36.75'
Depth to Product: —

Vol. of Water to Purge: (36.75-29.89) x 0.6524 x 3 = 13.43 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments:

Describe Deviations from SOP: Did not sample, heavy odor + sheen detected.

Signature: Meredith Roberts **Date:** 8/8/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1110
Sample Date: 8/7/24
Depth to Water: 33.58'
Time:

Sample ID: MW-78
Project Location: Bloomfield, NM
Sampler:
Matrix: Groundwater
Total Depth of Well: 34.20'
Depth to Product:

Vol. of Water to Purge: (34.20-33.58) x 0.1631 x 3 = 0.303 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No odor, no sheen, silty brown opaque

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate
Sampled for VOCs, SVOCs, TPH (GRO, DRO, MRO)

Signature: [signature]

Date: 8/7/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1450
Sample Date: 8-14-24
Depth to Water: NA
Time: 1450

Sample ID: Jungle Seep
Project Location: Bloomfield, NM
Sampler: E. Corrao
Matrix: Groundwater

Total Depth of Well: NA
Depth to Product: NA

Vol. of Water to Purge: NA (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: NA
Method of Sampling: NA

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. °C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1450	NA	NA	8.09	25.0	-5.4	—	880	1.36	

Comments:

Describe Deviations from SOP:

Signature: Eric Corrao

Date: 8/14/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time:
Sample Date: 8/15/24
Depth to Water: —
Time:

Sample ID: River Surface Samples
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: —
Depth to Product: —

Vol. of Water to Purge:
Method of Purging: (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. °C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
Upstream:									
1215	2 gal	2	8.37	13.7	-83.6	8.80	168.7	0.2035	No odor, no sheen, silty brown/ clear
N of 45:									
1250	2gal	2	8.13	14.0	-72.0	7.54	165.4	0.2011	No odor, no sheen, silty brown/ clear
N of 46:									
1325	2gal	2	8.19	15.1	-75.5	8.05	164.1	0.206	No odor, no sheen, silty brown/ clear
Downstream:									
1400	2gal	2	8.15	16.9	-73.2	7.00	166.4	0.2166	No odor, no sheen, silty brown
~~MW~~	Dup-E collected w/ N of MW-46								

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 8/15/24

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Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1000
Sample Date: 8/8/24
Depth to Water: 12.08'
Time: —

Sample ID: OW 0+60
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 12.27'
Depth to Product: —

Vol. of Water to Purge: (12.27 - 12.08) × 0.1631 × 3 = 0.09 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: —
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate
Insufficient water to collect samples

Signature: [signature]

Date: 8/8/24

Received by OCD: 4/25/2025 3:38:15 PM
Released to Imaging: 5/9/2025 1:04:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1325
Sample Date:
Depth to Water: 8.51
Time: 12:57

Sample ID: GW 0160
Project Location: Bloomfield, NM
Sampler:
Matrix: Groundwater
Total Depth of Well: 19.10
Depth to Product:

Vol. of Water to Purge: (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1302	0.1	0.1	6.53	21.6	-122.3	0.69	1241	1.78	Clear colorless
1307	0.30	0.31	6.70	21.5	-134.9	0.32	1236	1.77	↓
1312	0.30	0.61	6.70	21.4	-134.9	0.25	1234	1.76	↓
1317	0.30	0.91	6.71	21.2	-140.6	0.21	1232	1.76	↓
1322	0.30	1.21	6.71	21.1	142.7	0.18	1232	1.75	↓

Comments:

Describe Deviations from SOP:

Signature: [signature]

Date: 08/27/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1345
Sample Date: 8/12/24
Depth to Water: 14.07'
Time:

Sample ID: OW 3+85
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 15.08'
Depth to Product: —

Vol. of Water to Purge: (15.08-14.07) x 0.1631 x 3 = 0.49 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: —
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: No odor, no sheen, clear to silty brown coloration

Describe Deviations from SOP: Insufficient water for purging/parameters. Slow recharge rate

Signature: [signature]

Date: 8/12/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1330
Sample Date: 8/7/24
Depth to Water: 13.56'
Time:

Sample ID: OWS+50
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 13.76'
Depth to Product: —

Vol. of Water to Purge: (13.76'-13.56') x 0.1631 x 3 = 0.10 gal
(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: —
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate
Insufficient water for any submittals

Signature: [signature]

Date: 8/7/24

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Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1345
Sample Date: 8/7/24
Depth to Water: 14.36'
Time:

Sample ID: OW 8+10
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 16.52'
Depth to Product:

Vol. of Water to Purge: (16.52 - 14.36) x 0.1631 x 3 = 1.06 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No odor, no sheen, silty brown/opaque

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate

Signature: [signature] Date: 8/7/24

Released to Imaging: 5/9/2025 1:04:15 PM

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1425
Sample Date: 8/12/24
Depth to Water: 12.74'
Time:

Sample ID: OW 11+15
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 16.60'
Depth to Product: —

Vol. of Water to Purge: (16.60 − 12.74) × 0.1631 × 3 = 1.89 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (C)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1407	0.5gal	0.5	6.86	20.8	-1.7	4.53	757	1.079	No oder, no sheen, clear to grey/brown
1409	0.25gal	0.75	6.87	20.7	-2.7	4.49	1229	1.729	↓
1410	0.25gal	1.00	6.89	20.5	-2.9	3.99	1408	1.901	
1412	0.25gal	1.25	6.91	20.5	-3.0	3.53	1407	1.981	

Comments:

Describe Deviations from SOP: Dupe C collected from this well.

Signature: [signature]

Date: 8/12/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1225
Sample Date: 8/13/24
Depth to Water: 13.19'
Time:

Sample ID: OW 16+60
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 15.24'
Depth to Product: —

Vol. of Water to Purge: (15.24 − 13.19) × 0.1631 × 3 = 1 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: —
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments

Comments: No odor, no sheen, clear

Describe Deviations from SOP: Insufficient water for purging/ parameters. Slow recharge rate.

Signature: [signature]

Date: 8/13/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1415
Sample Date: 8/7/24
Depth to Water: 10.45'
Time:

Sample ID: OW 22-00
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 14.15'
Depth to Product: —

Vol. of Water to Purge: (14.15 - 10.45) x 0.1631 x 3 = 1.81 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No odor, no sheen, clear

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate

Signature: [signature]

Date: 8/7/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1310
Sample Date: 8/7/24
Depth to Water: 14.41'
Time:

Sample ID: OW23-10
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 18.34'
Depth to Product: —

Vol. of Water to Purge: (18.34 - 14.41) × 0.1631 × 3 = 1.92 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No sheen, no odor, clear to silty/brown

Comments:

Describe Deviations from SOP: Insufficient water for purging/ parameters, slow recharge rate

Signature: Meares

Date: 8/7/24

Groundwater Sample Collection Form

Sample ID: OW 23-90

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring

Project Location: Bloomfield, NM

Project Number: 07A2015013

Sampler: Meredith Roberts

Sample Time: 1240

Matrix: Groundwater

Sample Date: 8/7/24

Depth to Water: 14.92'

Total Depth of Well: 18.07'

Time:

Depth to Product: —

Vol. of Water to Purge: (18.07 - 14.92) x 0.1631 x 3 = 1.54 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols

Method of Purging: Bailer

Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No sheen, no odor, clear to silty brn opaque

Comments:

Describe Deviations from SOP: Insufficient water for purging/parameters, slow recharge rate

Signature: [signature]

Date: 8/7/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1225
Sample Date: 8/7/24
Depth to Water: 8.42
Time:

Sample ID: OW 25+70
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 13.95'
Depth to Product: —

Vol. of Water to Purge: (13.95 - 8.42) × 0.1631 × 3 = 2.71 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
									No sheen, no odor, clear

Comments:

Describe Deviations from SOP: Insufficient water for purging/ parameters, slow recharge rate

Signature: Mearks

Date: 8/7/24

Groundwater Sample Collection Form

Project Name: Bloomfield Terminal Semi-Annual GW Monitoring
Project Number: 07A2015013
Sample Time: 1320
Sample Date: 8/13/24
Depth to Water: 5.73'
Time:

Sample ID: ~~DUP~~ CW 25+95
Project Location: Bloomfield, NM
Sampler: Meredith Roberts
Matrix: Groundwater

Total Depth of Well: 12.04'
Depth to Product: —

Vol. of Water to Purge: (12.04 - 5.73) × 0.6524 × 3 = 12.35 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Peristaltic Pump
Method of Sampling: "

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. ~~°F~~ °C	ORP (mV)	Dissolved Oxygen (% or mg/L)	TDS	Conductivity (us or ms)	Comments
1305	0.25gal	0.25	7.27	23.4	-23.7	0.57	407.5	0.608	No odor, no sheen clear
1308	0.25gal	0.5	7.23	23.5	-22.9	0.59	409.4	0.612	↓
1310	0.25gal	0.75	7.27	23.4	-25.6	0.73	416.8	0.622	↓
1312	0.25gal	~~0.~~ 1	7.29	23.3	-26.5	0.83	419.1	0.624	↓
1314	0.25gal	1.25	7.30	23.3	-26.7	0.88	422.0	0.629	↓

Comments:

Describe Deviations from SOP:

Signature: Meredith Roberts

Date: 8/13/24

Sampler:

Wells	Date	DTW	DTP	SPH	TD	Sample Date	Analytes
REFINERY COMPLEX							
Background Wells							
MW-3		DRY			36.44	No April Sample	
MW-5		DRY			31.14	No April Sample	
MW-6		DRY			47.49		~~BTEX, MTBE~~
Refinery Wells							
MW-4		28.67	27.80		29.83	No April Sample	
MW-7		28.21	—		62.04	No April Sample	~~BTEX, MTBE, TPH-G/D/M~~
MW-8		~~34.08~~			34.75	NS-IV PSH	~~BTEX, MTBE~~ PSH?
MW-20		22.10	21.08		24.99		
MW-21		22.87	22.84		30.44	No April Sample	
MW-25		33.70			41.25	No April Sample	
MW-29		25.10			28.74	No April Sample	
MW-30	35.17	~~35.20~~	—		40.14		BTEX, MTBE 4/17 10:36
MW-31		35.01			39.16	No April Sample	
MW-36		20.80	—		23.05	No April Sample	
MW-39		25.36	—		38.31	No April Sample	
MW-40		28.69	28.63		29.56	No April Sample	
MW-41		27.26	—		31.2	No April Sample	
MW-44		35.20	—		50.92	No April Sample	
MW-45		12.23			16.65	No April Sample	
MW-46		dry			10.09	No April Sample	
MW-47		13.36			14.10	No April Sample	
P-2/RW-4		28.15	27.37		38.10	No April Sample	
P-3		12.44			22.73	No April Sample	
BCK-1	78.51	~~27.46~~			80.54	No April Sample	
BCK-2	28.73	~~77.91~~			47.93	No April Sample	
RW-01		31.54	—	—	40.89	No April Sample	
RW-02		28.00	27.03		31.28	No April Sample	
RW-03		~~31.54~~ 22.40			33.62	No April Sample	
RW-09		24.82			31.95	No April Sample	
RW-14		37.68	36.44		42.06	No April Sample	
RW-15		36.60	36.23		38.49	No April Sample	
RW-16		35.50	35.03		43.12	No April Sample	
RW-17		33.78	—		34.95	No April Sample	
RW-18		NM	NM		34.71	No April Sample	
RW-19		32.28	30.60		32.71	No April Sample	
RW-22		25.63	25.58		35.41	No April Sample	
RW-23		23.48	—		35.35	No April Sample	
RW-28		30.83	29.49		37.09	No April Sample	
RW-42		28.68	27.59		31.95	No April Sample	
RW-43		21.94	21.18		24.17	No April Sample	
Cross-Gradient Wells							
MW-1		20.18			21.42		BTEX, MTBE, TPH-G/D/M 4/17 12:36
MW-13		41.42			52.85		BTEX, MTBE 4-18 1305
MW-26		19.33			25.17	No April Sample	
MW-27		22.11			24.42	No April Sample	
MW-32		26.03			27.54	No April Sample	
MW-33		24.39			25.50		BTEX, MTBE, TPH-G/D/M 4-18 1322
Downgradient Wells							
MW-11		20.48			22.32	No April Sample	
MW-12		10.54			13.36		BTEX, MTBE, TPH-G/D/M 4-18 1400
MW-34		14.74			20.97	No April Sample	
MW-35		22.46			25.62		BTEX, MTBE 4-22 12:40
MW-37		23.58			27.35		BTEX, MTBE, TPH-G/D/M 4-22 1215
MW-38		23.55			26.82		BTEX, MTBE, TPH-G/D/M 4-22 1130
RCRA Investigation Wells							
MW-50		20.23	—		22.06	No April Sample	
MW-51		17.11	—		22.11	No April Sample	
MW-52		38.04	—		41.69	No April Sample	
MW-53		40.23	—		43.51	No April Sample	
MW-54		32.63	—	—	38.00	No April Sample	
MW-55		22.08	21.97		24.17	No April Sample	
MW-56		19.46	18.99		21.79	No April Sample	
MW-57		21.12	20.30		21.01	No April Sample	
MW-58		22.36	21.53		25.27	No April Sample	
MW-59		44.12			46.86	No April Sample	
MW-60		—	—		43.36	No April Sample	
MW-61		—	—		40.49	No April Sample	

MW-62		56.90			61.25	No April Sample	
MW-63		45.60			47.80	No April Sample	
MW-64		50.57			52.33	No April Sample	
MW-65		41.88			44.22	No April Sample	
MW-66		42.83	42.49		45.49	No April Sample	
MW-67		23.98	—		26.22	No April Sample	
MW-68		18.61	—		21.08	No April Sample	
MW-69		dry			12.01	No April Sample	
MW-70		27.36	—		28.91	No April Sample	
MW-71		30.55	30.50		37.96	No April Sample	
MW-72		29.23	29.21		34.92	No April Sample	
MW-73		30.16			36.75	No April Sample	
MW-74		29.92	29.38		33.91	No April Sample	
MW-75		29.59	29.00		32.15	No April Sample	
MW-76		30.08	29.76		34.09	No April Sample	
MW-77		29.80	29.18		34.3	No April Sample	
MW-78		DRY				No April Sample	
NORTH BOUNDARY BARRIER Collection Wells							
OW 0+60		dry			12.27	DRY	BTEX, MTBE, TPH-D/M 4-22 1310
CW 0+60		9.33			13.39	~~DRY~~	BTEX, MTBE, TPH-G/D/M Dup B
OW 1+50		dry			14.37	No April Sample	
CW 1+50		7.47			13.39		BTEX, MTBE, TPH-G/D/M 4-17 1310
OW 3+85		14.21			15.08	No April Sample	
CW 3+85		6.12			13.24	NS	BTEX, MTBE, TPH-G/D/M
OW 5+50		dry			13.76	No April Sample	
CW 5+50		6.83			12.29	NS	BTEX, MTBE, TPH-G/D/M
OW 6+70		dry			16.5	No April Sample	
CW 6+70		dry			11.47	NS	BTEX, MTBE, TPH-G/D/M
OW 8+10		dry			–	No April Sample	
CW 8+10		7.98			11.38	No April Sample	
CW 8+45		8.40	8.31		12.60		BTEX, MTBE, TPH-G/D/M 4-18 1140 Dup A
OW 11+15		12.92			16.60	No April Sample	
CW 11+15		damaged			12.40	NS	BTEX, MTBE, TPH-G/D/M
OW 14+10		dry			–	No April Sample	
CW 14+10		6.62			13.06		BTEX, MTBE, TPH-G/D/M 4-18 1130
OW 16+60		13.34			15.24	No April Sample	
CW 16+60		6.45			12.88	NS	BTEX, MTBE, TPH-G/D/M
OW 19+50		dry			13.00	No April Sample	
CW 19+50		6.44			10.04		BTEX, MTBE, TPH-G/D/M 4-17 1410
OW 22+00		12.95			14.15	No April Sample	
CW 22+00		9.53			12.40		BTEX, MTBE, TPH-G/D/M 4-17 1430
OW 23+10		17.02			18.34	No April Sample	
CW 23+10		11.20			14.83	NS	BTEX, MTBE, TPH-G/D/M
OW 23+90		dry			18.07	No April Sample	
CW 23+90		6.51			11.75		BTEX, MTBE, TPH-G/D/M 4-18 1200
OW 25+70		11.63			13.95		BTEX, MTBE, TPH-D/M 4-18 1220
CW 25+95		6.69			12.04		
NORTH BOUNDARY BARRIER Collection Wells							
SW1-0206					53.07	No sample needed	Only Gauge major precip
SW2-0206					27.70	No sample needed	Only Gauge major precip
SW3-0206					52.55	No sample needed	Only Gauge major precip
SW4-0206					42.33	No sample needed	Only Gauge major precip
SW5-0206					52.25	No sample needed	Only Gauge major precip
SW6-0206					42.25	No sample needed	Only Gauge major precip
SW7-0206					31.97	No sample needed	Only Gauge major precip
MISCELLANEOUS							
MP-1		27.58	26.53		29.84	No sample needed	
MP-2		27.60	27.53		29.75	No sample needed	
MP-3		29.90	28.57		30.68	No sample needed	
MP-4		30.06	28.54		32.98	No sample needed	
MP-5		29.14	29.18		31.67	No sample needed	
AS-1		26.58			29.41	No sample needed	
VEW-1S		DRY			12.82	No sample needed	
VEW-1D		DRY			25.82	No sample needed	

Semi-Annual Sample Location
On sample list but dry, free-product, or damaged
Bad location data, need to be located or remapped

Sampler: Meredith Roberts / Eric Carroll

Wells	Date	DTW	DTP	SPH	TD
REFINERY COMPLEX					
Background Wells					
MW-3	8/5/2024	dry			36.56
MW-5	8/6/2024	dry			31.14
MW-6	8/6/2024	dry			47.49
Refinery Wells					
MW-04	8/5/2024	28.00			29.83
MW-07	8/5/2024	28.5			62.04
MW-08	8/5/2024	33.46			34.75
MW-20	8/5/2024	20.62			24.99
MW-21	8/5/2024	21.46			30.44
MW-25	8/6/2024	33.67			41.25
MW-29	8/5/2024	23.48			28.74
MW-30	8/5/2024	35.17			40.14
MW-31	8/6/2024	35.04			39.16
MW-36	8/6/2024	20.86			23.05
MW-39	8/5/2024	25.43			38.31
MW-40	8/5/2024	28.41			29.56
MW-41	8/5/2024	26.81			31.2
MW-44	8/5/2024	35.61			50.92
MW-45	8/5/2024	12.04			16.65
MW-46	8/5/2024	dry			10.09
MW-47	8/5/2024	13.41			14.10
P-03	8/6/2024	11.73	11.72	0.01	22.73
BCK-1	8/6/2024	77.89			80.54
BCK-2	8/6/2024	27.71			47.93
RW-01	8/5/2024	31.24			40.89
RW-02	8/5/2024	27.43	26.93	0.5	31.28
RW-03	8/6/2024	22.2			33.62
RW-09	8/5/2024	24.78			31.95
RW-14	8/5/2024	37.16	36.18	0.98	42.06
RW-15	8/5/2024	36.23	35.8	0.43	38.49
RW-16	8/5/2024	35.38	34.98	0.4	43.12
RW-17	8/5/2024	33.57			34.95
RW-18					34.71
RW-19	8/5/2024	31.65			32.71
RW-22	8/5/2024	29.78			35.41
RW-23	8/5/2024	23.26			35.35
RW-28	8/5/2024	29.88	29.38	0.5	37.09
RW-42	8/5/2024	27.73	27.4	0.29	31.95
RW-43	8/5/2024	20.56	20.36	0.2	24.17

Cross-Gradient Wells					
MW-1	8/5/2024	19.9			21.42
MW-13	8/6/2024	41.45			52.85
MW-26	8/6/2024	13.31			25.17
MW-27	8/6/2024	23.23			24.42
MW-32	8/6/2024	25.73			27.54
MW-33	8/6/2024	24.95			25.50
Downgradient Wells					
MW-11	8/6/2024	12.43			22.32
MW-12	8/6/2024	dry			13.36
MW-34	8/6/2024	14.81			20.97
MW-35	8/6/2024	dry			25.62
MW-37	8/26/2024	27.44			27.35
MW-38	8/6/2024	23.68			26.82
RCRA Investigation Wells					
MW-50	8/5/2024	17.94			22.06
MW-51	8/5/2024	14.79			22.11
MW-52	8/5/2024	37.83			41.69
MW-53	8/5/2024	40.17			43.51
MW-54	8/5/2024	32.38			38.00
MW-55	8/5/2024	21.88	21.83	0.05	24.17
MW-56	8/5/2024	17.71	17.6	0.11	21.79
MW-57	8/5/2024	19.07			21.01
MW-58	8/5/2024	21.44	20.96	0.48	25.27
MW-59	8/6/2024	44.22			46.86
MW-60					43.36
MW-61					40.49
MW-62	8/6/2024	56.95			61.25
MW-63	8/6/2024	45.66			47.80
MW-64	8/6/2024	50.63			52.33
MW-65	8/6/2024	41.89			44.22
MW-66	8/6/2024	42.89	42.55	0.34	45.49
MW-67	8/5/2024	21.96			26.22
MW-68	8/5/2024	16.53			21.08
MW-69	8/5/2024	dry			12.01
MW-70	8/5/2024	26.78			28.91
MW-71	8/5/2024	30.25			37.96
MW-72	8/5/2024	28.81	28.78	0.03	34.92
MW-73	8/5/2024	29.89			36.75
MW-74	8/5/2024	29.43	29	0.43	33.91
MW-75	8/5/2024	29.11	28.62	0.49	32.15
MW-76	8/5/2024	29.11	29.05	0.06	34.09
MW-77	8/5/2024	29.47	28.91	0.56	34.3
MW-78	8/5/2024	33.58			34.20

NORTH BOUNDARY BARRIER					
Collection Wells					
OW 0+60	8/5/2024	12.08			12.27
CW 0+60	8/5/2024	8.85			13.39
OW 1+50	8/5/2024	dry			14.37
CW 1+50	8/5/2024	7.22			13.39
OW 3+85	8/5/2024	14.07			15.08
CW 3+85	8/5/2024	5.94			13.24
OW 5+50	8/5/2024	13.56			13.76
CW 5+50	8/5/2024	6.48			12.29
OW 6+70	8/5/2024	dry			--
CW 6+70	8/5/2024	dry			11.47
OW 8+10	8/5/2024	14.36			--
CW 8+10	8/5/2024	7.86			11.38
CW 8+45	8/5/2024	8.33			12.60
OW 11+15	8/5/2024	12.74			16.60
CW 11+15	8/5/2024	collaspsed			12.40
OW 14+10	8/5/2024	dry			--
CW 14+10	8/5/2024	6.54			13.06
OW 16+60	8/5/2024	13.19			15.24
CW 16+60	8/5/2024	6.32			12.88
OW 19+50	8/5/2024	dry			13.00
CW 19+50	8/5/2024	6.28			10.04
OW 22+00	8/5/2024	10.45			14.15
CW 22+00	8/5/2024	8.39			12.40
OW 23+10	8/5/2024	14.41			18.34
CW 23+10	8/5/2024	9.3			14.83
OW 23+90	8/5/2024	14.92			18.07
CW 23+90	8/5/2024	6.13			11.75
OW 25+70	8/5/2024	8.42			13.95
CW 25+95	8/5/2024	5.73			12.04
NORTH BOUNDARY BARRIER					
Sump Wells					
SW1-0206					53.07
SW2-0206					27.70
SW3-0206					52.55
SW4-0206					42.33
SW5-0206					52.25
SW6-0206					42.25
SW7-0206					31.97

ENSOLUM

APPENDIX C

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 5/3/2024 3:36:54 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-3110-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-3110-1

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Definitions/Glossary

Client: Ensolum Job ID: 885-3110-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
P2	The sample was received with pH>2
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: Bloomfield Terminal

Job ID: 885-3110-1

Job ID: 885-3110-1 Eurofins Albuquerque

Job Narrative
885-3110-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/19/2024 7:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

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

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

GC Semi VOA
Method 8015D_DRO_LL: The following samples were diluted due to the nature of the sample matrix: OW 3+85 (885-3110-8) and DUP A (885-3110-10). Elevated reporting limits (RLs) are provided.

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

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: MW-30
Date Collected: 04/17/24 10:35
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**300**		20		ug/L			04/26/24 18:48	20
Ethylbenzene	**1800**		20		ug/L			04/26/24 18:48	20
Toluene	**22**		20		ug/L			04/26/24 18:48	20
Xylenes, Total	**610**		30		ug/L			04/26/24 18:48	20
Methyl-tert-butyl Ether (MTBE)	ND		20		ug/L			04/26/24 18:48	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*04/26/24 18:48*	*20*
Toluene-d8 (Surr)	*90*		*70 - 130*		*04/26/24 18:48*	*20*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*04/26/24 18:48*	*20*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*04/26/24 18:48*	*20*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: MW-1
Date Collected: 04/17/24 12:30
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/26/24 19:17	1
Ethylbenzene	ND		1.0		ug/L			04/26/24 19:17	1
Toluene	ND		1.0		ug/L			04/26/24 19:17	1
Xylenes, Total	ND		1.5		ug/L			04/26/24 19:17	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/26/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*04/26/24 19:17*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*04/26/24 19:17*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*04/26/24 19:17*	*1*
Dibromofluoromethane (Surr)	*91*		*70 - 130*		*04/26/24 19:17*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.10		mg/L			04/23/24 05:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 270*		*04/23/24 05:48*	*2*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.43		mg/L		04/24/24 06:50	04/26/24 20:10	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/26/24 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*33 - 159*	*04/24/24 06:50*	*04/26/24 20:10*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: MW-13
Date Collected: 04/18/24 13:05
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/26/24 19:46	1
Ethylbenzene	ND		1.0		ug/L			04/26/24 19:46	1
Toluene	ND		1.0		ug/L			04/26/24 19:46	1
Xylenes, Total	ND		1.5		ug/L			04/26/24 19:46	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/26/24 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*04/26/24 19:46*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*04/26/24 19:46*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*04/26/24 19:46*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*04/26/24 19:46*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: MW-33
Date Collected: 04/18/24 13:22
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/26/24 20:14	1
Ethylbenzene	ND		1.0		ug/L			04/26/24 20:14	1
Toluene	ND		1.0		ug/L			04/26/24 20:14	1
Xylenes, Total	ND		1.5		ug/L			04/26/24 20:14	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/26/24 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*04/26/24 20:14*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*04/26/24 20:14*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*04/26/24 20:14*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*04/26/24 20:14*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/23/24 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 270*		*04/23/24 06:10*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.43		mg/L		04/24/24 06:50	04/26/24 20:34	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/26/24 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*33 - 159*	*04/24/24 06:50*	*04/26/24 20:34*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: MW-12
Date Collected: 04/18/24 14:00
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/26/24 20:43	1
Ethylbenzene	ND		1.0		ug/L			04/26/24 20:43	1
Toluene	ND		1.0		ug/L			04/26/24 20:43	1
Xylenes, Total	ND		1.5		ug/L			04/26/24 20:43	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/26/24 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*04/26/24 20:43*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*04/26/24 20:43*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*04/26/24 20:43*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*04/26/24 20:43*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/23/24 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 270*		*04/23/24 06:32*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.43		mg/L		04/24/24 06:50	04/26/24 20:59	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/26/24 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*	*04/24/24 06:50*	*04/26/24 20:59*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: Trip Blank

Date Collected: 04/18/24 14:15
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/26/24 21:11	1
Ethylbenzene	ND		1.0		ug/L			04/26/24 21:11	1
Toluene	ND		1.0		ug/L			04/26/24 21:11	1
Xylenes, Total	ND		1.5		ug/L			04/26/24 21:11	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/26/24 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/26/24 21:11*	*1*
Toluene-d8 (Surr)	*88*		*70 - 130*		*04/26/24 21:11*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*04/26/24 21:11*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*04/26/24 21:11*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: CW 25+95

Date Collected: 04/18/24 12:20
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	P2	1.0		ug/L			04/26/24 21:40	1
Ethylbenzene	ND	P2	1.0		ug/L			04/26/24 21:40	1
Toluene	ND	P2	1.0		ug/L			04/26/24 21:40	1
Xylenes, Total	ND	P2	1.5		ug/L			04/26/24 21:40	1
Methyl-tert-butyl Ether (MTBE)	**4.3**	**P2**	1.0		ug/L			04/26/24 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*	*P2*	*70 - 130*		*04/26/24 21:40*	*1*
Toluene-d8 (Surr)	*89*	*P2*	*70 - 130*		*04/26/24 21:40*	*1*
4-Bromofluorobenzene (Surr)	*109*	*P2*	*70 - 130*		*04/26/24 21:40*	*1*
Dibromofluoromethane (Surr)	*91*	*P2*	*70 - 130*		*04/26/24 21:40*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.43		mg/L		04/24/24 06:50	04/26/24 21:47	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/26/24 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*79*		*33 - 159*	*04/24/24 06:50*	*04/26/24 21:47*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: OW 3+85

Date Collected: 04/17/24 13:10
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/26/24 22:08	1
Ethylbenzene	ND		1.0		ug/L			04/26/24 22:08	1
Toluene	ND		1.0		ug/L			04/26/24 22:08	1
Xylenes, Total	ND		1.5		ug/L			04/26/24 22:08	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/26/24 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*04/26/24 22:08*	*1*
Toluene-d8 (Surr)	*74*		*70 - 130*		*04/26/24 22:08*	*1*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*		*04/26/24 22:08*	*1*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*04/26/24 22:08*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**5.1**		0.50		mg/L			04/23/24 06:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*249*		*15 - 270*		*04/23/24 06:55*	*10*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**33**		4.3		mg/L		04/24/24 06:50	04/29/24 15:17	10
Motor Oil Range Organics [C28-C40]	**4.5**	**D**	2.3		mg/L		04/24/24 06:50	04/29/24 15:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*D S1-*	*33 - 159*	*04/24/24 06:50*	*04/29/24 15:17*	*10*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: OW 11+15

Date Collected: 04/18/24 11:10
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**350**		5.0		ug/L			04/26/24 23:06	5
Ethylbenzene	ND		5.0		ug/L			04/26/24 23:06	5
Toluene	ND		5.0		ug/L			04/26/24 23:06	5
Xylenes, Total	ND		7.5		ug/L			04/26/24 23:06	5
Methyl-tert-butyl Ether (MTBE)	**60**		5.0		ug/L			04/26/24 23:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/26/24 23:06*	*5*
Toluene-d8 (Surr)	*90*		*70 - 130*		*04/26/24 23:06*	*5*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*04/26/24 23:06*	*5*
Dibromofluoromethane (Surr)	*89*		*70 - 130*		*04/26/24 23:06*	*5*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**2.6**		0.50		mg/L			04/23/24 07:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*172*		*15 - 270*		*04/23/24 07:17*	*10*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**10**		0.43		mg/L		04/24/24 06:50	04/26/24 22:36	1
Motor Oil Range Organics [C28-C40]	**0.41**		0.23		mg/L		04/24/24 06:50	04/26/24 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*33 - 159*	*04/24/24 06:50*	*04/26/24 22:36*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: DUP A
Date Collected: 04/18/24 11:10
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-10
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**370**		5.0		ug/L			04/30/24 04:08	5
Ethylbenzene	ND		5.0		ug/L			04/30/24 04:08	5
Toluene	ND		5.0		ug/L			04/30/24 04:08	5
Xylenes, Total	ND		7.5		ug/L			04/30/24 04:08	5
Methyl-tert-butyl Ether (MTBE)	**55**		5.0		ug/L			04/30/24 04:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*04/30/24 04:08*	*5*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/30/24 04:08*	*5*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/30/24 04:08*	*5*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*04/30/24 04:08*	*5*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**2.0**		0.50		mg/L			04/23/24 07:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*		*15 - 270*		*04/23/24 07:39*	*10*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**19**		4.3		mg/L		04/24/24 06:50	04/29/24 15:41	10
Motor Oil Range Organics [C28-C40]	ND	D	2.3		mg/L		04/24/24 06:50	04/29/24 15:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*D S1-*	*33 - 159*	*04/24/24 06:50*	*04/29/24 15:41*	*10*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: OW 16+60

Date Collected: 04/18/24 11:30
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-11

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			04/30/24 01:17	2
Ethylbenzene	ND		2.0		ug/L			04/30/24 01:17	2
Toluene	ND		2.0		ug/L			04/30/24 01:17	2
Xylenes, Total	ND		3.0		ug/L			04/30/24 01:17	2
Methyl-tert-butyl Ether (MTBE)	**210**		2.0		ug/L			04/30/24 01:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*04/30/24 01:17*	*2*
Toluene-d8 (Surr)	*103*		*70 - 130*		*04/30/24 01:17*	*2*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/30/24 01:17*	*2*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*04/30/24 01:17*	*2*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.66**		0.050		mg/L			04/23/24 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*		*15 - 270*		*04/23/24 08:01*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.8**		0.43		mg/L		04/24/24 06:50	04/26/24 23:24	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/26/24 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*33 - 159*	*04/24/24 06:50*	*04/26/24 23:24*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: OW 22+00
Date Collected: 04/17/24 14:10
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-12
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/30/24 01:41	1
Ethylbenzene	ND		1.0		ug/L			04/30/24 01:41	1
Toluene	ND		1.0		ug/L			04/30/24 01:41	1
Xylenes, Total	ND		1.5		ug/L			04/30/24 01:41	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/30/24 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*04/30/24 01:41*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*04/30/24 01:41*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/30/24 01:41*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*04/30/24 01:41*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/23/24 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 270*		*04/23/24 08:23*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.43		mg/L		04/24/24 06:50	04/26/24 23:49	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/26/24 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*33 - 159*	*04/24/24 06:50*	*04/26/24 23:49*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: OW 23+10

Date Collected: 04/17/24 14:30
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-13

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/30/24 02:06	1
Ethylbenzene	ND		1.0		ug/L			04/30/24 02:06	1
Toluene	ND		1.0		ug/L			04/30/24 02:06	1
Xylenes, Total	ND		1.5		ug/L			04/30/24 02:06	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/30/24 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*04/30/24 02:06*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/30/24 02:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/30/24 02:06*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*04/30/24 02:06*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/23/24 09:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*15 - 270*		*04/23/24 09:08*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.43		mg/L		04/24/24 06:50	04/27/24 00:13	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/27/24 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*33 - 159*	*04/24/24 06:50*	*04/27/24 00:13*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Client Sample ID: OW 25+70
Date Collected: 04/18/24 12:20
Date Received: 04/19/24 07:25

Lab Sample ID: 885-3110-14
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/30/24 02:30	1
Ethylbenzene	ND		1.0		ug/L			04/30/24 02:30	1
Toluene	ND		1.0		ug/L			04/30/24 02:30	1
Xylenes, Total	ND		1.5		ug/L			04/30/24 02:30	1
Methyl-tert-butyl Ether (MTBE)	**1.2**		1.0		ug/L			04/30/24 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*04/30/24 02:30*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/30/24 02:30*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*04/30/24 02:30*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*04/30/24 02:30*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/23/24 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 270*		*04/23/24 09:30*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.43		mg/L		04/24/24 06:50	04/27/24 00:37	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/27/24 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*33 - 159*	*04/24/24 06:50*	*04/27/24 00:37*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-3950/28
Matrix: Water
Analysis Batch: 3950

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/26/24 12:36	1
Ethylbenzene	ND		1.0		ug/L			04/26/24 12:36	1
Toluene	ND		1.0		ug/L			04/26/24 12:36	1
Xylenes, Total	ND		1.5		ug/L			04/26/24 12:36	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/26/24 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*04/26/24 12:36*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*04/26/24 12:36*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*04/26/24 12:36*	*1*
Dibromofluoromethane (Surr)	*88*		*70 - 130*		*04/26/24 12:36*	*1*

Lab Sample ID: MB 885-3950/3
Matrix: Water
Analysis Batch: 3950

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/25/24 15:05	1
Ethylbenzene	ND		1.0		ug/L			04/25/24 15:05	1
Toluene	ND		1.0		ug/L			04/25/24 15:05	1
Xylenes, Total	ND		1.5		ug/L			04/25/24 15:05	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/25/24 15:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*04/25/24 15:05*	*1*
Toluene-d8 (Surr)	*84*		*70 - 130*		*04/25/24 15:05*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*04/25/24 15:05*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*04/25/24 15:05*	*1*

Lab Sample ID: LCS 885-3950/27
Matrix: Water
Analysis Batch: 3950

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.1	18.2		ug/L		91	70 - 130		
Toluene			20.2	17.1		ug/L		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*90*		*70 - 130*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
Dibromofluoromethane (Surr)	*90*		*70 - 130*

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

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

Lab Sample ID: MB 885-4113/3
Matrix: Water
Analysis Batch: 4113

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/30/24 00:28	1
Ethylbenzene	ND		1.0		ug/L			04/30/24 00:28	1
Toluene	ND		1.0		ug/L			04/30/24 00:28	1
Xylenes, Total	ND		1.5		ug/L			04/30/24 00:28	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			04/30/24 00:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*04/30/24 00:28*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*04/30/24 00:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*04/30/24 00:28*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*04/30/24 00:28*	*1*

Lab Sample ID: LCS 885-4113/2
Matrix: Water
Analysis Batch: 4113

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.1	21.0		ug/L		105	70 - 130		
Toluene			20.2	19.6		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*107*		*70 - 130*

Lab Sample ID: 885-3110-11 MS
Matrix: Water
Analysis Batch: 4113

Client Sample ID: OW 16+60
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		40.2	38.8		ug/L		96	70 - 130		
Toluene	ND		40.3	39.2		ug/L		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*94*		*70 - 130*

Lab Sample ID: 885-3110-11 MSD
Matrix: Water
Analysis Batch: 4113

Client Sample ID: OW 16+60
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		40.2	37.8		ug/L		94	70 - 130	2	20
Toluene	ND		40.3	39.0		ug/L		97	70 - 130	1	20

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

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

Lab Sample ID: 885-3110-11 MSD
Matrix: Water
Analysis Batch: 4113

Client Sample ID: OW 16+60
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*93*		*70 - 130*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-3745/3
Matrix: Water
Analysis Batch: 3745

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/22/24 15:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*15 - 270*		*04/22/24 15:45*	*1*

Lab Sample ID: LCS 885-3745/2
Matrix: Water
Analysis Batch: 3745

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.490		mg/L		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*220*		*15 - 270*

Method: 8015D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-3782/1-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3782

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.15		mg/L		04/24/24 06:50	04/26/24 18:32	1
Motor Oil Range Organics [C28-C40]	ND		0.080		mg/L		04/24/24 06:50	04/26/24 18:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*98*		*33 - 159*	*04/24/24 06:50*	*04/26/24 18:32*	*1*

Lab Sample ID: LCS 885-3782/2-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3782

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	ND		mg/L		48	33 - 149		

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

Method: 8015D - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCS 885-3782/2-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3782

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*91*		*33 - 159*

Lab Sample ID: LCSD 885-3782/3-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3782

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	ND		mg/L		47	33 - 149	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*

QC Association Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

GC/MS VOA

Analysis Batch: 3950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3110-1	MW-30	Total/NA	Water	8260B	
885-3110-2	MW-1	Total/NA	Water	8260B	
885-3110-3	MW-13	Total/NA	Water	8260B	
885-3110-4	MW-33	Total/NA	Water	8260B	
885-3110-5	MW-12	Total/NA	Water	8260B	
885-3110-6	Trip Blank	Total/NA	Water	8260B	
885-3110-7	CW 25+95	Total/NA	Water	8260B	
885-3110-8	OW 3+85	Total/NA	Water	8260B	
885-3110-9	OW 11+15	Total/NA	Water	8260B	
MB 885-3950/28	Method Blank	Total/NA	Water	8260B	
MB 885-3950/3	Method Blank	Total/NA	Water	8260B	
LCS 885-3950/27	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 4113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3110-10	DUP A	Total/NA	Water	8260B	
885-3110-11	OW 16+60	Total/NA	Water	8260B	
885-3110-12	OW 22+00	Total/NA	Water	8260B	
885-3110-13	OW 23+10	Total/NA	Water	8260B	
885-3110-14	OW 25+70	Total/NA	Water	8260B	
MB 885-4113/3	Method Blank	Total/NA	Water	8260B	
LCS 885-4113/2	Lab Control Sample	Total/NA	Water	8260B	
885-3110-11 MS	OW 16+60	Total/NA	Water	8260B	
885-3110-11 MSD	OW 16+60	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 3745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3110-2	MW-1	Total/NA	Water	8015D	
885-3110-4	MW-33	Total/NA	Water	8015D	
885-3110-5	MW-12	Total/NA	Water	8015D	
885-3110-8	OW 3+85	Total/NA	Water	8015D	
885-3110-9	OW 11+15	Total/NA	Water	8015D	
885-3110-10	DUP A	Total/NA	Water	8015D	
885-3110-11	OW 16+60	Total/NA	Water	8015D	
885-3110-12	OW 22+00	Total/NA	Water	8015D	
885-3110-13	OW 23+10	Total/NA	Water	8015D	
885-3110-14	OW 25+70	Total/NA	Water	8015D	
MB 885-3745/3	Method Blank	Total/NA	Water	8015D	
LCS 885-3745/2	Lab Control Sample	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 3782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3110-2	MW-1	Total/NA	Water	3510C	
885-3110-4	MW-33	Total/NA	Water	3510C	
885-3110-5	MW-12	Total/NA	Water	3510C	
885-3110-7	CW 25+95	Total/NA	Water	3510C	
885-3110-8	OW 3+85	Total/NA	Water	3510C	
885-3110-9	OW 11+15	Total/NA	Water	3510C	

QC Association Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3110-1

GC Semi VOA (Continued)

Prep Batch: 3782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3110-10	DUP A	Total/NA	Water	3510C	
885-3110-11	OW 16+60	Total/NA	Water	3510C	
885-3110-12	OW 22+00	Total/NA	Water	3510C	
885-3110-13	OW 23+10	Total/NA	Water	3510C	
885-3110-14	OW 25+70	Total/NA	Water	3510C	
MB 885-3782/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-3782/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-3782/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 4063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3110-2	MW-1	Total/NA	Water	8015D	3782
885-3110-4	MW-33	Total/NA	Water	8015D	3782
885-3110-5	MW-12	Total/NA	Water	8015D	3782
885-3110-7	CW 25+95	Total/NA	Water	8015D	3782
885-3110-9	OW 11+15	Total/NA	Water	8015D	3782
885-3110-11	OW 16+60	Total/NA	Water	8015D	3782
885-3110-12	OW 22+00	Total/NA	Water	8015D	3782
885-3110-13	OW 23+10	Total/NA	Water	8015D	3782
885-3110-14	OW 25+70	Total/NA	Water	8015D	3782
MB 885-3782/1-A	Method Blank	Total/NA	Water	8015D	3782
LCS 885-3782/2-A	Lab Control Sample	Total/NA	Water	8015D	3782
LCSD 885-3782/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	3782

Analysis Batch: 4126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3110-8	OW 3+85	Total/NA	Water	8015D	3782
885-3110-10	DUP A	Total/NA	Water	8015D	3782

Lab Chronicle

Client: Ensolum
Job ID: 885-3110-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-30
Lab Sample ID: 885-3110-1
Date Collected: 04/17/24 10:35
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		20	3950	RA	EET ALB	04/26/24 18:48

Client Sample ID: MW-1
Lab Sample ID: 885-3110-2
Date Collected: 04/17/24 12:30
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	3950	RA	EET ALB	04/26/24 19:17
Total/NA	Analysis	8015D		2	3745	RA	EET ALB	04/23/24 05:48
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 20:10

Client Sample ID: MW-13
Lab Sample ID: 885-3110-3
Date Collected: 04/18/24 13:05
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	3950	RA	EET ALB	04/26/24 19:46

Client Sample ID: MW-33
Lab Sample ID: 885-3110-4
Date Collected: 04/18/24 13:22
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	3950	RA	EET ALB	04/26/24 20:14
Total/NA	Analysis	8015D		1	3745	RA	EET ALB	04/23/24 06:10
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 20:34

Client Sample ID: MW-12
Lab Sample ID: 885-3110-5
Date Collected: 04/18/24 14:00
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	3950	RA	EET ALB	04/26/24 20:43
Total/NA	Analysis	8015D		1	3745	RA	EET ALB	04/23/24 06:32
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 20:59

Client Sample ID: Trip Blank
Lab Sample ID: 885-3110-6
Date Collected: 04/18/24 14:15
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	3950	RA	EET ALB	04/26/24 21:11

Lab Chronicle

Client: Ensolum
Job ID: 885-3110-1
Project/Site: Bloomfield Terminal

Client Sample ID: CW 25+95
Lab Sample ID: 885-3110-7
Date Collected: 04/18/24 12:20
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	3950	RA	EET ALB	04/26/24 21:40
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 21:47

Client Sample ID: OW 3+85
Lab Sample ID: 885-3110-8
Date Collected: 04/17/24 13:10
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	3950	RA	EET ALB	04/26/24 22:08
Total/NA	Analysis	8015D		10	3745	RA	EET ALB	04/23/24 06:55
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		10	4126	JU	EET ALB	04/29/24 15:17

Client Sample ID: OW 11+15
Lab Sample ID: 885-3110-9
Date Collected: 04/18/24 11:10
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	3950	RA	EET ALB	04/26/24 23:06
Total/NA	Analysis	8015D		10	3745	RA	EET ALB	04/23/24 07:17
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 22:36

Client Sample ID: DUP A
Lab Sample ID: 885-3110-10
Date Collected: 04/18/24 11:10
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	4113	CM	EET ALB	04/30/24 04:08
Total/NA	Analysis	8015D		10	3745	RA	EET ALB	04/23/24 07:39
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		10	4126	JU	EET ALB	04/29/24 15:41

Client Sample ID: OW 16+60
Lab Sample ID: 885-3110-11
Date Collected: 04/18/24 11:30
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	4113	CM	EET ALB	04/30/24 01:17
Total/NA	Analysis	8015D		1	3745	RA	EET ALB	04/23/24 08:01
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 23:24

Lab Chronicle

Client: Ensolum
Job ID: 885-3110-1
Project/Site: Bloomfield Terminal

Client Sample ID: OW 22+00
Lab Sample ID: 885-3110-12
Date Collected: 04/17/24 14:10
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4113	CM	EET ALB	04/30/24 01:41
Total/NA	Analysis	8015D		1	3745	RA	EET ALB	04/23/24 08:23
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 23:49

Client Sample ID: OW 23+10
Lab Sample ID: 885-3110-13
Date Collected: 04/17/24 14:30
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4113	CM	EET ALB	04/30/24 02:06
Total/NA	Analysis	8015D		1	3745	RA	EET ALB	04/23/24 09:08
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/27/24 00:13

Client Sample ID: OW 25+70
Lab Sample ID: 885-3110-14
Date Collected: 04/18/24 12:20
Matrix: Water
Date Received: 04/19/24 07:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4113	CM	EET ALB	04/30/24 02:30
Total/NA	Analysis	8015D		1	3745	RA	EET ALB	04/23/24 09:30
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/27/24 00:37

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-3110-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	Gasoline Range Organics [C6 - C10]
8015D	3510C	Water	Diesel Range Organics [C10-C28]
8015D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	Benzene
8260B		Water	Ethylbenzene
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Toluene
8260B		Water	Xylenes, Total

Oregon	NELAP	NM100001	02-26-25

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Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109
Phone (505) 345-3975

Chain of Custody Record

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885-3110 COC

Client Information	Sampler: E. Carroll	Lab PM: Caldwell John	Carrier Tracking No(s):	COC No: 885-553-175 1
Client Contact: Devin Hencmann	Phone: 303-642-9578	E-Mail: john caldwell@et.eurofinsus com	State of Origin: NM	Page: Page 1 of 5
Company: Ensolum LLC	PWSID:	Analysis Requested		Job #:
Address: 776 E 2nd Avenue	Due Date Requested:			
City: Durango	TAT Requested (days):			
State Zip: CO 81301	Compliance Project: Δ Yes Δ No			
Phone: 903-821-5603(Tel)	PO #: 07A2015013 Purchase Order Requested			
Email: dhencmann@ensolum.com	WO #:			
Project Name: Bloomfield Terminal	Project #: FOR LAB USE ONLY 88501533			
Site: Bloomfield Terminal (BT)	SSOW#:			

Preservation Codes

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX, MTBE,	~~8015B~~ 8015 DRO - DRO / MRO	8015D_GRO,	6010B RCRA, 7470A Mercury	Dissolved - 6010B RCRA 7 + Ca Cu Fe Mg Mn K Na Zn, 6020A U, 7470A Mercury	2320B Alk	300 Cl, F, No2, NO3, SO4, PO4	SM4500_CO2				Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	A	D	N	D	N	N					
~~MW-6~~				Water			x												
~~MW-20~~				Water			x												
MW-30	4-17-24	10.35	G	Water			x												-1
MW-1	4-17-24	12:30	G	Water			x	x	x										-2
MW-13	4-18-24	1305	G	Water			x												-3
MW-33	4-18-24	1322	G	Water			x	x	x										-4
MW-12	4-18-24	1400	G	Water			x	x	x										-5
~~MW-35~~ Trip Blank	4-18-24	1415		Water			x												-6
~~MW-37~~				Water			x	x	x										
~~MW-38~~				Water			x	x	x										
~~CW 0+60~~				Water			x	x											

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV, Other (specify): IV

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time				
Relinquished by: [signature]	Date/Time: 4-18-24 15:[illegible]	Company: Ensolum	Received by: [signature] Courier	Date/Time: 4/19/24 7:25	Company	
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company	
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 4.9 - 0.1 = 4.8 Temp 4.0c

Ver 01/16/2019

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109
Phone (505) 345-3975

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: E. Carroll	Lab PM: Caldwell, John	Carrier Tracking No(s):	COC No: 885-553-175 2
Client Contact: Devin Hencmann	Phone: 303-842-9578	E-Mail: john.caldwell@et.eurofinsus.com	State of Origin: NM	Page: Page 2 of 5
Company: Ensolum LLC	PWSID:			Job #: 3110
Address: 776 E 2nd Avenue	Due Date Requested:			
City: Durango	TAT Requested (days):			
State, Zip: CO 81301	Compliance Project: Δ Yes Δ No			
Phone: 903-821-5603(Tel)	PO #: 07A 2015013 Purchase Order Requested			
Email: dhencmann@ensolum.com	WO #:			
Project Name: Bloomfield Terminal	Project #: FOR LAB USE ONLY 88501533			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX, MTBE,	8015_DRO - DRO / MRO	8015D_GRO,	6010B RCRA, 7470A Mercury	Dissolved - 6010B RCRA 7 + Ca Cu Fe Mg Mn K Na Zn, 6020A U, 7470A Mercury	2320B Alk	300 Cl, F, No2, NO3, SO4, PO4	SM4500_CO2	Total Number of containers	Special Instructions/Note.
Preservation Code:							A	N	A	D	N	D	N	N		
CW 25+95	4-18	1226	G	Water			X	X								-7
~~OW 0+60~~				~~Water~~			X	X	X							
~~OW 1+50~~				~~Water~~			X	X	X							
OW 3+85	4-17	1310	G	Water			X	X	X							-8
~~OW 5+30~~				~~Water~~			X	X	X							
~~OW 6+70~~				~~Water~~			X	X	X							
~~OW 8+10~~				~~Water~~			X	X	X							
OW 11+15	4-18	1110	G	Water			X	X	X							-9
~~OW 14+10~~ DUP A	4-18	1110	G	Water			X	X	X							-10
OW 16+60	4-18	1130		Water			X	X	X							-11
~~OW 19+50~~				~~Water~~			X	X	X							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4-18-24 15:30	Ensolum	Courier	4/19/24 7:25	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 4-9-6.1=4.8 4.0 9:

Ver: 01/16/2019

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109
Phone (505) 345-3975

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: E. Carroll	Lab PM: Caldwell John	Carrier Tracking No(s):	COC No.: 885-553-175 3
Client Contact: Devin Hencmann	Phone: 303-842-9578	E-Mail: john.caldwell@et.eurofinsus.com	State of Origin: NM	Page: Page 3 of 5
Company: Ensolum LLC	PWSID:			Job #: 3110
Address: 776 E 2nd Avenue	Due Date Requested:			
City: Durango	TAT Requested (days):			
State Zip: CO, 81301	Compliance Project: Δ Yes Δ No			
Phone: 903-821-5603(Tel)	PO #: 074 2015 013 Purchase Order Requested			
Email: dhencmann@ensolum.com	WO #:			
Project Name: Bloomfield Terminal	Project #: FOR LAB USE ONLY 88501533			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX, MTBE,	~~8015~~ DRO - DRO / MRO 8015 DROLL	8015D_GRO,	6010B RCRA, 7470A Mercury	Dissolved - 6010B RCRA 7 + Ca Cu Fe Mg Mn K Na Zn, 6020A U, 7470A Mercury	2320B Alk	300 Cl, F, No2, NO3, SO4, PO4	SM4500_CO2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	A	D	N	D	N	N		
OW 22+00	4-17	1410	G	Water			X	X	X							-12
OW 23+10	4-17	1430	G	Water			X	X	X							-13
OW 25+70	4-18	1220	G	Water			X	X	X							-14
~~East Outfall #2~~				~~Water~~			X			X	X	X	X	X		
~~East Outfall #3~~				~~Water~~			X			X	X	X	X	X		
~~Seep 1~~				~~Water~~			X					X	X	X		
~~Seep 2~~				~~Water~~			X					X	X	X		
~~Seep 3~~				~~Water~~			X					X	X	X		
~~Seep 4~~				~~Water~~			X					X	X	X		
~~Seep 5~~				~~Water~~			X					X	X	X		
~~Seep 6~~				~~Water~~			X					X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III, IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4-18-24 15:30	Ensolum	[signature] Fowler	4/19/24 7:25	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 4.9-0.1=4.8 Yoa:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-3110-1

Login Number: 3110 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Proctor, Nancy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 5/14/2024 1:37:21 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-3224-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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5/14/2024 1:37:21 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-3224-1

Table of Contents

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Receipt Checklists 33

Definitions/Glossary

Client: Ensolum Job ID: 885-3224-1
Project/Site: Bloomfield Terminal

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: Bloomfield Terminal

Job ID: 885-3224-1

Job ID: 885-3224-1 Eurofins Albuquerque

Job Narrative
885-3224-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/23/2024 6:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

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

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

GC Semi VOA
Method 8015D_DRO_LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-3799 and analytical batch 885-4126 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28].

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

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

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

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

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: Upstream
Date Collected: 04/22/24 13:45
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/01/24 21:31	1
Ethylbenzene	ND		1.0		ug/L			05/01/24 21:31	1
Toluene	ND		1.0		ug/L			05/01/24 21:31	1
Xylenes, Total	ND		1.5		ug/L			05/01/24 21:31	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/01/24 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/01/24 21:31*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/01/24 21:31*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/01/24 21:31*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*05/01/24 21:31*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 270*		*04/26/24 18:00*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.44		mg/L		04/24/24 06:50	04/26/24 19:45	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 06:50	04/26/24 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*33 - 159*	*04/24/24 06:50*	*04/26/24 19:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			04/23/24 14:03	1
Nitrate	ND		0.10		mg/L			04/23/24 14:03	1
Chloride	**3.3**		0.50		mg/L			04/23/24 14:03	1
Nitrite	ND		0.10		mg/L			04/23/24 14:03	1
Orthophosphate as P	ND		0.50		mg/L			04/23/24 14:03	1
Sulfate	**80**		10		mg/L			04/23/24 14:42	20
Fluoride	**0.17**		0.10		mg/L			04/23/24 14:03	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**38**		1.0		mg/L			04/25/24 12:14	1
Iron	ND		0.020		mg/L			04/25/24 12:14	1
Magnesium	**6.3**		1.0		mg/L			04/25/24 12:14	1
Manganese	**0.036**		0.0020		mg/L			04/25/24 12:14	1
Potassium	**1.9**		1.0		mg/L			04/25/24 12:14	1
Sodium	**31**		1.0		mg/L			04/25/24 12:14	1
Zinc	ND		0.020		mg/L			04/25/24 12:14	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:33	1
Barium	**0.074**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:33	1

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: Upstream
Date Collected: 04/22/24 13:45
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-1
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:33	1
Chromium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:33	1
Lead	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:33	1
Selenium	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:33	1
Silver	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:33	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.010		mg/L			05/09/24 14:14	10
Arsenic	ND		0.010		mg/L			05/08/24 10:16	10
Lead	ND		0.010		mg/L			05/08/24 10:16	10
Selenium	ND		0.010		mg/L			05/08/24 10:16	10
Cadmium	ND		0.010		mg/L			05/08/24 10:16	10
Barium	**0.065**		0.010		mg/L			05/08/24 10:16	10
Silver	ND		0.010		mg/L			05/08/24 10:16	10
Chromium	ND		0.010		mg/L			05/08/24 10:16	10
Copper	ND		0.010		mg/L			05/09/24 14:14	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:13	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**92**		20		mg/L			04/29/24 15:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**92**		20		mg/L			04/29/24 15:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0		mg/L			04/29/24 15:02	1

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: North of MW-46
Date Collected: 04/22/24 14:00
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/01/24 21:56	1
Ethylbenzene	ND		1.0		ug/L			05/01/24 21:56	1
Toluene	ND		1.0		ug/L			05/01/24 21:56	1
Xylenes, Total	ND		1.5		ug/L			05/01/24 21:56	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/01/24 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*05/01/24 21:56*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/01/24 21:56*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/01/24 21:56*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/01/24 21:56*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 270*		*04/26/24 19:11*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*1	0.43		mg/L		04/24/24 09:39	04/29/24 21:47	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 09:39	04/29/24 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*120*		*33 - 159*	*04/24/24 09:39*	*04/29/24 21:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			04/23/24 14:55	1
Nitrate	ND		0.10		mg/L			04/23/24 14:55	1
Chloride	**3.4**		0.50		mg/L			04/23/24 14:55	1
Nitrite	ND		0.10		mg/L			04/23/24 14:55	1
Orthophosphate as P	ND		0.50		mg/L			04/23/24 14:55	1
Sulfate	**79**		10		mg/L			04/23/24 15:08	20
Fluoride	**0.18**		0.10		mg/L			04/23/24 14:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**39**		1.0		mg/L			04/25/24 12:16	1
Iron	ND		0.020		mg/L			04/25/24 12:16	1
Magnesium	**6.3**		1.0		mg/L			04/25/24 12:16	1
Manganese	**0.039**		0.0020		mg/L			04/25/24 12:16	1
Potassium	**2.0**		1.0		mg/L			04/25/24 12:16	1
Sodium	**31**		1.0		mg/L			04/25/24 12:16	1
Zinc	**0.041**		0.020		mg/L			04/25/24 12:16	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:38	1
Barium	**0.074**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:38	1

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: North of MW-46
Date Collected: 04/22/24 14:00
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-2
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:38	1
Chromium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:38	1
Lead	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:38	1
Selenium	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:38	1
Silver	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:38	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.010		mg/L			05/09/24 14:19	10
Arsenic	ND		0.010		mg/L			05/08/24 10:20	10
Lead	ND		0.010		mg/L			05/08/24 10:20	10
Selenium	ND		0.010		mg/L			05/08/24 10:20	10
Cadmium	ND		0.010		mg/L			05/08/24 10:20	10
Barium	**0.065**		0.010		mg/L			05/08/24 10:20	10
Silver	ND		0.010		mg/L			05/08/24 10:20	10
Chromium	ND		0.010		mg/L			05/08/24 10:20	10
Copper	ND		0.010		mg/L			05/09/24 14:19	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:15	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**91**		20		mg/L			04/29/24 15:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**91**		20		mg/L			04/29/24 15:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0		mg/L			04/29/24 15:15	1

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: North of MW-45

Date Collected: 04/22/24 14:45
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/01/24 22:20	1
Ethylbenzene	ND		1.0		ug/L			05/01/24 22:20	1
Toluene	ND		1.0		ug/L			05/01/24 22:20	1
Xylenes, Total	ND		1.5		ug/L			05/01/24 22:20	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/01/24 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/01/24 22:20*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/01/24 22:20*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*05/01/24 22:20*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/01/24 22:20*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*04/26/24 19:34*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*1	0.43		mg/L		04/24/24 09:39	04/29/24 22:12	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 09:39	04/29/24 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*122*		*33 - 159*	*04/24/24 09:39*	*04/29/24 22:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			04/23/24 15:59	1
Nitrate	ND		0.10		mg/L			04/23/24 15:59	1
Chloride	**3.8**		0.50		mg/L			04/23/24 15:59	1
Nitrite	ND		0.10		mg/L			04/23/24 15:59	1
Orthophosphate as P	ND		0.50		mg/L			04/23/24 15:59	1
Sulfate	**100**		10		mg/L			04/23/24 16:12	20
Fluoride	**0.18**		0.10		mg/L			04/23/24 15:59	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**44**		1.0		mg/L			04/25/24 12:21	1
Iron	ND		0.020		mg/L			04/25/24 12:21	1
Magnesium	**6.8**		1.0		mg/L			04/25/24 12:21	1
Manganese	**0.063**		0.0020		mg/L			04/25/24 12:21	1
Potassium	**1.9**		1.0		mg/L			04/25/24 12:21	1
Sodium	**37**		1.0		mg/L			04/25/24 12:21	1
Zinc	ND		0.020		mg/L			04/25/24 12:21	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:42	1
Barium	**0.074**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:42	1

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: North of MW-45

Date Collected: 04/22/24 14:45
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-3

Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:42	1
Chromium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:42	1
Lead	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:42	1
Selenium	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:42	1
Silver	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:42	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.010		mg/L			05/09/24 14:34	10
Arsenic	ND		0.010		mg/L			05/08/24 10:25	10
Lead	ND		0.010		mg/L			05/08/24 10:25	10
Selenium	ND		0.010		mg/L			05/08/24 10:25	10
Cadmium	ND		0.010		mg/L			05/08/24 10:25	10
Barium	**0.061**		0.010		mg/L			05/08/24 10:25	10
Silver	ND		0.010		mg/L			05/08/24 10:25	10
Chromium	ND		0.010		mg/L			05/08/24 10:25	10
Copper	ND		0.010		mg/L			05/09/24 14:34	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:17	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**97**		20		mg/L			04/29/24 15:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**94**		20		mg/L			04/29/24 15:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**2.2**		2.0		mg/L			04/29/24 15:25	1

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: Dowmstream
Date Collected: 04/22/24 15:00
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/01/24 22:44	1
Ethylbenzene	ND		1.0		ug/L			05/01/24 22:44	1
Toluene	ND		1.0		ug/L			05/01/24 22:44	1
Xylenes, Total	ND		1.5		ug/L			05/01/24 22:44	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/01/24 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*05/01/24 22:44*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/01/24 22:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/01/24 22:44*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/01/24 22:44*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 270*		*04/26/24 19:57*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*1	0.43		mg/L		04/24/24 09:39	04/29/24 22:36	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 09:39	04/29/24 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*125*		*33 - 159*	*04/24/24 09:39*	*04/29/24 22:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			04/23/24 16:24	1
Nitrate	ND		0.10		mg/L			04/23/24 16:24	1
Chloride	**3.8**		0.50		mg/L			04/23/24 16:24	1
Nitrite	ND		0.10		mg/L			04/23/24 16:24	1
Orthophosphate as P	ND		0.50		mg/L			04/23/24 16:24	1
Sulfate	**99**		10		mg/L			04/23/24 16:37	20
Fluoride	**0.18**		0.10		mg/L			04/23/24 16:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**44**		1.0		mg/L			04/25/24 12:25	1
Iron	ND		0.020		mg/L			04/25/24 12:25	1
Magnesium	**6.9**		1.0		mg/L			04/25/24 12:25	1
Manganese	**0.070**		0.0020		mg/L			04/25/24 12:25	1
Potassium	**2.0**		1.0		mg/L			04/25/24 12:25	1
Sodium	**37**		1.0		mg/L			04/25/24 12:25	1
Zinc	ND		0.020		mg/L			04/25/24 12:25	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:46	1
Barium	**0.076**		0.0010		mg/L		04/29/24 06:12	05/06/24 16:46	1

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Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: Dowmstream
Date Collected: 04/22/24 15:00
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-4
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:46	1
Chromium	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:46	1
Lead	ND		0.0010		mg/L		04/29/24 06:12	05/06/24 16:46	1
Selenium	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:46	1
Silver	ND	^+	0.0010		mg/L		04/29/24 06:12	05/06/24 16:46	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.010		mg/L			05/09/24 14:39	10
Arsenic	ND		0.010		mg/L			05/08/24 10:29	10
Lead	ND		0.010		mg/L			05/08/24 10:29	10
Selenium	ND		0.010		mg/L			05/08/24 10:29	10
Cadmium	ND		0.010		mg/L			05/08/24 10:29	10
Barium	**0.063**		0.010		mg/L			05/08/24 10:29	10
Silver	ND		0.010		mg/L			05/08/24 10:29	10
Chromium	ND		0.010		mg/L			05/08/24 10:29	10
Copper	ND		0.010		mg/L			05/09/24 14:39	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:20	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ *-	0.00020		mg/L		04/24/24 12:04	04/25/24 12:37	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**96**		20		mg/L			04/29/24 15:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**94**		20		mg/L			04/29/24 15:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0		mg/L			04/29/24 15:36	1

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-4288/3
Matrix: Water
Analysis Batch: 4288

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/01/24 13:47	1
Ethylbenzene	ND		1.0		ug/L			05/01/24 13:47	1
Toluene	ND		1.0		ug/L			05/01/24 13:47	1
Xylenes, Total	ND		1.5		ug/L			05/01/24 13:47	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/01/24 13:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/01/24 13:47*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/01/24 13:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/01/24 13:47*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*05/01/24 13:47*	*1*

Lab Sample ID: LCS 885-4288/2
Matrix: Water
Analysis Batch: 4288

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.1	19.9		ug/L		99	70 - 130		
Toluene			20.2	19.5		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-4037/16
Matrix: Water
Analysis Batch: 4037

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 16:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*04/26/24 16:50*	*1*

Lab Sample ID: 885-326-A-1 LCS
Matrix: Water
Analysis Batch: 4037

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.530		mg/L		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*213*		*15 - 270*

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QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: 885-3224-1 MS
Matrix: Water
Analysis Batch: 4037

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		0.500	0.513		mg/L		103	41 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*211*		*15 - 270*

Lab Sample ID: 885-3224-1 MSD
Matrix: Water
Analysis Batch: 4037

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		0.500	0.503		mg/L		101	41 - 148	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*211*		*15 - 270*

Method: 8015D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-3782/1-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3782

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.15		mg/L		04/24/24 06:50	04/26/24 18:32	1
Motor Oil Range Organics [C28-C40]	ND		0.080		mg/L		04/24/24 06:50	04/26/24 18:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*33 - 159*	*04/24/24 06:50*	*04/26/24 18:32*	*1*

Lab Sample ID: LCS 885-3782/2-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3782

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	ND		mg/L		48	33 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*91*		*33 - 159*

Lab Sample ID: LCSD 885-3782/3-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3782

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	ND		mg/L		47	33 - 149	2	20

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 8015D - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCSD 885-3782/3-A
Matrix: Water
Analysis Batch: 4063

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3782

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	90		33 - 159

Lab Sample ID: MB 885-3799/1-A
Matrix: Water
Analysis Batch: 4126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3799

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.15		mg/L		04/24/24 09:39	04/29/24 18:55	1
Motor Oil Range Organics [C28-C40]	ND		0.080		mg/L		04/24/24 09:39	04/29/24 18:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	115		33 - 159	04/24/24 09:39	04/29/24 18:55	1

Lab Sample ID: LCS 885-3799/2-A
Matrix: Water
Analysis Batch: 4126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3799

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	0.134	J	mg/L		71	33 - 149		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	109		33 - 159

Lab Sample ID: LCSD 885-3799/3-A
Matrix: Water
Analysis Batch: 4126

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3799

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	ND	*1	mg/L		57	33 - 149	22	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	99		33 - 159

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-3785/4
Matrix: Water
Analysis Batch: 3785

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			04/23/24 08:30	1
Chloride	ND		0.50		mg/L			04/23/24 08:30	1
Sulfate	ND		0.50		mg/L			04/23/24 08:30	1
Fluoride	ND		0.10		mg/L			04/23/24 08:30	1

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-3785/11
Matrix: Water
Analysis Batch: 3785

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.41		mg/L		96	90 - 110
Chloride	5.00	4.70		mg/L		94	90 - 110
Sulfate	10.0	9.61		mg/L		96	90 - 110
Fluoride	0.500	0.492		mg/L		98	90 - 110

Lab Sample ID: MRL 885-3785/3
Matrix: Water
Analysis Batch: 3785

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.101		mg/L		101	50 - 150
Chloride	0.500	0.521		mg/L		104	50 - 150
Sulfate	0.500	0.510		mg/L		102	50 - 150
Fluoride	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: 885-3224-1 MS
Matrix: Water
Analysis Batch: 3785

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	ND		2.50	2.42		mg/L		97	80 - 120
Chloride	3.3		5.00	8.28		mg/L		99	80 - 120
Sulfate	100		10.0	112	4	mg/L		79	80 - 120
Fluoride	0.17		0.500	0.649		mg/L		95	70 - 130

Lab Sample ID: 885-3224-1 MSD
Matrix: Water
Analysis Batch: 3785

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	ND		2.50	2.43		mg/L		97	80 - 120	0	20
Chloride	3.3		5.00	8.29		mg/L		99	80 - 120	0	20
Sulfate	100		10.0	112	4	mg/L		79	80 - 120	0	20
Fluoride	0.17		0.500	0.651		mg/L		95	70 - 130	0	20

Lab Sample ID: MB 885-3786/4
Matrix: Water
Analysis Batch: 3786

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	mg/L			04/23/24 08:30	1
Nitrite	ND		0.10	mg/L			04/23/24 08:30	1
Orthophosphate as P	ND		0.50	mg/L			04/23/24 08:30	1

Lab Sample ID: LCS 885-3786/11
Matrix: Water
Analysis Batch: 3786

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.47		mg/L		99	90 - 110

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-3786/11
Matrix: Water
Analysis Batch: 3786

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite	1.00	0.978		mg/L		98	90 - 110
Orthophosphate as P	5.00	4.59		mg/L		92	90 - 110

Lab Sample ID: MRL 885-3786/3
Matrix: Water
Analysis Batch: 3786

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.0999	J	mg/L		100	50 - 150
Nitrite	0.0999	0.102		mg/L		102	50 - 150
Orthophosphate as P	0.500	0.499	J	mg/L		100	50 - 150

Lab Sample ID: 885-3224-1 MS
Matrix: Water
Analysis Batch: 3786

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	ND		2.50	2.48		mg/L		98	80 - 120
Nitrite	ND		1.00	0.975		mg/L		97	80 - 120
Orthophosphate as P	ND		5.00	4.65		mg/L		93	80 - 120

Lab Sample ID: 885-3224-1 MSD
Matrix: Water
Analysis Batch: 3786

Client Sample ID: Upstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	ND		2.50	2.49		mg/L		98	80 - 120	0	20
Nitrite	ND		1.00	0.978		mg/L		98	80 - 120	0	20
Orthophosphate as P	ND		5.00	4.68		mg/L		94	80 - 120	1	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-3901/21
Matrix: Water
Analysis Batch: 3901

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0		mg/L			04/25/24 11:57	1
Iron	ND		0.020		mg/L			04/25/24 11:57	1
Magnesium	ND		1.0		mg/L			04/25/24 11:57	1
Manganese	ND		0.0020		mg/L			04/25/24 11:57	1
Potassium	ND		1.0		mg/L			04/25/24 11:57	1
Sodium	ND		1.0		mg/L			04/25/24 11:57	1
Zinc	ND		0.020		mg/L			04/25/24 11:57	1

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

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

Lab Sample ID: LCS 885-3901/23
Matrix: Water
Analysis Batch: 3901

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	49.3		mg/L		99	80 - 120
Iron	0.500	0.483		mg/L		97	80 - 120
Magnesium	50.0	49.1		mg/L		98	80 - 120
Manganese	0.500	0.482		mg/L		96	80 - 120
Potassium	50.0	48.3		mg/L		97	80 - 120
Sodium	50.0	47.8		mg/L		96	80 - 120
Zinc	0.500	0.482		mg/L		96	80 - 120

Lab Sample ID: LCSD 885-3901/24
Matrix: Water
Analysis Batch: 3901

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	49.7		mg/L		99	80 - 120	1	20
Iron	0.500	0.492		mg/L		98	80 - 120	2	20
Magnesium	50.0	49.6		mg/L		99	80 - 120	1	20
Manganese	0.500	0.483		mg/L		97	80 - 120	0	20
Potassium	50.0	48.8		mg/L		98	80 - 120	1	20
Sodium	50.0	48.8		mg/L		98	80 - 120	2	20
Zinc	0.500	0.485		mg/L		97	80 - 120	0	20

Lab Sample ID: LLCS 885-3901/22
Matrix: Water
Analysis Batch: 3901

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.498	J	mg/L		100	50 - 150
Iron	0.0200	0.0174	J	mg/L		87	50 - 150
Magnesium	0.500	0.512	J	mg/L		102	50 - 150
Manganese	0.00200	0.00194	J	mg/L		97	50 - 150
Potassium	0.500	0.466	J	mg/L		93	50 - 150
Sodium	0.500	0.419	J	mg/L		84	50 - 150
Zinc	0.0100	0.0108	J	mg/L		108	50 - 150

Lab Sample ID: MRL 885-3901/13
Matrix: Water
Analysis Batch: 3901

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.498	J	mg/L		100	50 - 150
Iron	0.0200	ND		mg/L		94	50 - 150
Magnesium	0.500	0.506	J	mg/L		101	50 - 150
Manganese	0.00200	0.00192	J	mg/L		96	50 - 150
Potassium	0.500	0.486	J	mg/L		97	50 - 150
Sodium	0.500	0.501	J	mg/L		100	50 - 150
Zinc	0.0100	0.00923	J	mg/L		92	50 - 150

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-4472/9
Matrix: Water
Analysis Batch: 4472

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00104		mg/L		104	70 - 130
Lead	0.00100	0.00111		mg/L		111	70 - 130
Selenium	0.00100	0.00119		mg/L		119	70 - 130
Cadmium	0.00100	0.00115		mg/L		115	70 - 130
Barium	0.00100	0.00111		mg/L		111	70 - 130
Silver	0.00100	0.00117		mg/L		117	70 - 130
Chromium	0.00100	0.00130		mg/L		130	70 - 130

Lab Sample ID: MB 885-4584/15
Matrix: Water
Analysis Batch: 4584

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	mg/L			05/08/24 09:59	1
Lead	ND		0.0010	mg/L			05/08/24 09:59	1
Selenium	ND		0.0010	mg/L			05/08/24 09:59	1
Cadmium	ND		0.0010	mg/L			05/08/24 09:59	1
Barium	ND		0.0010	mg/L			05/08/24 09:59	1
Silver	ND		0.0010	mg/L			05/08/24 09:59	1
Chromium	ND		0.0010	mg/L			05/08/24 09:59	1

Lab Sample ID: LCS 885-4584/16
Matrix: Water
Analysis Batch: 4584

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0507		mg/L		101	80 - 120
Lead	0.0500	0.0516		mg/L		103	80 - 120
Selenium	0.0500	0.0523		mg/L		105	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Barium	0.0500	0.0501		mg/L		100	80 - 120
Silver	0.0250	0.0256		mg/L		102	80 - 120
Chromium	0.0500	0.0514		mg/L		103	80 - 120

Lab Sample ID: LCSD 885-4584/17
Matrix: Water
Analysis Batch: 4584

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0528		mg/L		106	80 - 120	4	20
Lead	0.0500	0.0519		mg/L		104	80 - 120	1	20
Selenium	0.0500	0.0529		mg/L		106	80 - 120	1	20
Cadmium	0.0500	0.0508		mg/L		102	80 - 120	1	20
Barium	0.0500	0.0513		mg/L		103	80 - 120	2	20
Silver	0.0250	0.0260		mg/L		104	80 - 120	2	20
Chromium	0.0500	0.0526		mg/L		105	80 - 120	2	20

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-4584/9
Matrix: Water
Analysis Batch: 4584

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000984	J	mg/L		98	70 - 130
Lead	0.00100	0.00110		mg/L		110	70 - 130
Selenium	0.00100	0.000864	J	mg/L		86	70 - 130
Cadmium	0.00100	0.000965	J	mg/L		97	70 - 130
Barium	0.00100	0.00101		mg/L		101	70 - 130
Silver	0.00100	0.00104		mg/L		104	70 - 130
Chromium	0.00100	0.000973	J	mg/L		97	70 - 130

Lab Sample ID: MB 885-4725/21
Matrix: Water
Analysis Batch: 4725

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		0.0010	mg/L			05/09/24 12:04	1
Arsenic	ND		0.0010	mg/L			05/09/24 12:04	1
Lead	ND		0.0010	mg/L			05/09/24 12:04	1
Selenium	ND		0.0010	mg/L			05/09/24 12:04	1
Cadmium	ND		0.0010	mg/L			05/09/24 12:04	1
Barium	ND		0.0010	mg/L			05/09/24 12:04	1
Silver	ND		0.0010	mg/L			05/09/24 12:04	1
Chromium	ND		0.0010	mg/L			05/09/24 12:04	1
Copper	ND		0.0010	mg/L			05/09/24 12:04	1

Lab Sample ID: LCS 885-4725/22
Matrix: Water
Analysis Batch: 4725

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.0500	0.0495		mg/L		99	80 - 120
Arsenic	0.0500	0.0494		mg/L		99	80 - 120
Lead	0.0500	0.0479		mg/L		96	80 - 120
Selenium	0.0500	0.0497		mg/L		99	80 - 120
Cadmium	0.0500	0.0517		mg/L		103	80 - 120
Barium	0.0500	0.0504		mg/L		101	80 - 120
Silver	0.0250	0.0264		mg/L		105	80 - 120
Chromium	0.0500	0.0481		mg/L		96	80 - 120
Copper	0.0500	0.0505		mg/L		101	80 - 120

Lab Sample ID: LCSD 885-4725/23
Matrix: Water
Analysis Batch: 4725

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	0.0500	0.0496		mg/L		99	80 - 120	0	20
Arsenic	0.0500	0.0491		mg/L		98	80 - 120	1	20
Lead	0.0500	0.0501		mg/L		100	80 - 120	4	20
Selenium	0.0500	0.0504		mg/L		101	80 - 120	1	20
Cadmium	0.0500	0.0532		mg/L		106	80 - 120	3	20
Barium	0.0500	0.0500		mg/L		100	80 - 120	1	20

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-4725/23
Matrix: Water
Analysis Batch: 4725

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver			0.0250	0.0263		mg/L		105	80 - 120	0	20
Chromium			0.0500	0.0509		mg/L		102	80 - 120	6	20
Copper			0.0500	0.0516		mg/L		103	80 - 120	2	20

Lab Sample ID: MRL 885-4725/9
Matrix: Water
Analysis Batch: 4725

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Uranium			0.00100	0.00106		mg/L		106	70 - 130		
Arsenic			0.00100	0.00109		mg/L		109	70 - 130		
Lead			0.00100	0.000967	J	mg/L		97	70 - 130		
Selenium			0.00100	0.00120		mg/L		120	70 - 130		
Cadmium			0.00100	0.00114		mg/L		114	70 - 130		
Barium			0.00100	0.00114		mg/L		114	70 - 130		
Silver			0.00100	0.00106		mg/L		106	70 - 130		
Chromium			0.00100	0.00109		mg/L		109	70 - 130		
Copper			0.00100	0.00105		mg/L		105	70 - 130		

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-3817/9-A
Matrix: Water
Analysis Batch: 3893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3817

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.000150	ND		mg/L		69	50 - 150		

Lab Sample ID: MB 885-3819/1-A
Matrix: Water
Analysis Batch: 3893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3819

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		04/24/24 12:04	04/25/24 10:38	1

Lab Sample ID: LCS 885-3819/3-A
Matrix: Water
Analysis Batch: 3893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3819

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00455		mg/L		91	85 - 115		

Lab Sample ID: LCSD 885-3819/26-A
Matrix: Water
Analysis Batch: 3893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3819

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00500	0.00437		mg/L		87	85 - 115	4	20

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LLCS 885-3819/2-A
Matrix: Water
Analysis Batch: 3893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3819

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.000150	ND	^+	mg/L		55	50 - 150		

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-4088/2
Matrix: Water
Analysis Batch: 4088

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20		mg/L			04/29/24 12:44	1
Bicarbonate Alkalinity as CaCO3	ND		20		mg/L			04/29/24 12:44	1
Carbonate Alkalinity as CaCO3	ND		2.0		mg/L			04/29/24 12:44	1

Lab Sample ID: LCS 885-4088/3
Matrix: Water
Analysis Batch: 4088

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			84.8	77.9		mg/L		92	90 - 110		

Lab Sample ID: MRL 885-4088/1
Matrix: Water
Analysis Batch: 4088

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			21.2	24.4		mg/L		115	50 - 150		

QC Association Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

GC/MS VOA

Analysis Batch: 4288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total/NA	Water	8260B	
885-3224-2	North of MW-46	Total/NA	Water	8260B	
885-3224-3	North of MW-45	Total/NA	Water	8260B	
885-3224-4	Dowmstream	Total/NA	Water	8260B	
MB 885-4288/3	Method Blank	Total/NA	Water	8260B	
LCS 885-4288/2	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 4037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total/NA	Water	8015D	
885-3224-2	North of MW-46	Total/NA	Water	8015D	
885-3224-3	North of MW-45	Total/NA	Water	8015D	
885-3224-4	Dowmstream	Total/NA	Water	8015D	
MB 885-4037/16	Method Blank	Total/NA	Water	8015D	
885-326-A-1 LCS	Lab Control Sample	Total/NA	Water	8015D	
885-3224-1 MS	Upstream	Total/NA	Water	8015D	
885-3224-1 MSD	Upstream	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 3782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total/NA	Water	3510C	
MB 885-3782/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-3782/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-3782/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 3799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-2	North of MW-46	Total/NA	Water	3510C	
885-3224-3	North of MW-45	Total/NA	Water	3510C	
885-3224-4	Dowmstream	Total/NA	Water	3510C	
MB 885-3799/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-3799/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-3799/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 4063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total/NA	Water	8015D	3782
MB 885-3782/1-A	Method Blank	Total/NA	Water	8015D	3782
LCS 885-3782/2-A	Lab Control Sample	Total/NA	Water	8015D	3782
LCSD 885-3782/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	3782

Analysis Batch: 4126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-2	North of MW-46	Total/NA	Water	8015D	3799
885-3224-3	North of MW-45	Total/NA	Water	8015D	3799
885-3224-4	Dowmstream	Total/NA	Water	8015D	3799
MB 885-3799/1-A	Method Blank	Total/NA	Water	8015D	3799
LCS 885-3799/2-A	Lab Control Sample	Total/NA	Water	8015D	3799

QC Association Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

GC Semi VOA (Continued)

Analysis Batch: 4126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 885-3799/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	3799

HPLC/IC

Analysis Batch: 3785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total/NA	Water	300.0	
885-3224-1	Upstream	Total/NA	Water	300.0	
885-3224-2	North of MW-46	Total/NA	Water	300.0	
885-3224-2	North of MW-46	Total/NA	Water	300.0	
885-3224-3	North of MW-45	Total/NA	Water	300.0	
885-3224-3	North of MW-45	Total/NA	Water	300.0	
885-3224-4	Dowmstream	Total/NA	Water	300.0	
885-3224-4	Dowmstream	Total/NA	Water	300.0	
MB 885-3785/4	Method Blank	Total/NA	Water	300.0	
LCS 885-3785/11	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-3785/3	Lab Control Sample	Total/NA	Water	300.0	
885-3224-1 MS	Upstream	Total/NA	Water	300.0	
885-3224-1 MSD	Upstream	Total/NA	Water	300.0	

Analysis Batch: 3786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total/NA	Water	300.0	
885-3224-2	North of MW-46	Total/NA	Water	300.0	
885-3224-3	North of MW-45	Total/NA	Water	300.0	
885-3224-4	Dowmstream	Total/NA	Water	300.0	
MB 885-3786/4	Method Blank	Total/NA	Water	300.0	
LCS 885-3786/11	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-3786/3	Lab Control Sample	Total/NA	Water	300.0	
885-3224-1 MS	Upstream	Total/NA	Water	300.0	
885-3224-1 MSD	Upstream	Total/NA	Water	300.0	

Metals

Prep Batch: 3817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-3817/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 3819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Dissolved	Water	7470A	
885-3224-1	Upstream	Total/NA	Water	7470A	
885-3224-2	North of MW-46	Dissolved	Water	7470A	
885-3224-2	North of MW-46	Total/NA	Water	7470A	
885-3224-3	North of MW-45	Dissolved	Water	7470A	
885-3224-3	North of MW-45	Total/NA	Water	7470A	
885-3224-4	Dowmstream	Dissolved	Water	7470A	
885-3224-4	Dowmstream	Total/NA	Water	7470A	
MB 885-3819/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-3819/3-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 885-3819/26-A	Lab Control Sample Dup	Total/NA	Water	7470A	
LLCS 885-3819/2-A	Lab Control Sample	Total/NA	Water	7470A	

QC Association Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Metals

Analysis Batch: 3893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Dissolved	Water	7470A	3819
885-3224-1	Upstream	Total/NA	Water	7470A	3819
885-3224-2	North of MW-46	Dissolved	Water	7470A	3819
885-3224-2	North of MW-46	Total/NA	Water	7470A	3819
885-3224-3	North of MW-45	Dissolved	Water	7470A	3819
885-3224-3	North of MW-45	Total/NA	Water	7470A	3819
885-3224-4	Dowmstream	Dissolved	Water	7470A	3819
885-3224-4	Dowmstream	Total/NA	Water	7470A	3819
MB 885-3819/1-A	Method Blank	Total/NA	Water	7470A	3819
LCS 885-3819/3-A	Lab Control Sample	Total/NA	Water	7470A	3819
LCSD 885-3819/26-A	Lab Control Sample Dup	Total/NA	Water	7470A	3819
LLCS 885-3819/2-A	Lab Control Sample	Total/NA	Water	7470A	3819
MRL 885-3817/9-A	Lab Control Sample	Total/NA	Water	7470A	3817

Analysis Batch: 3901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Dissolved	Water	6010B	
885-3224-2	North of MW-46	Dissolved	Water	6010B	
885-3224-3	North of MW-45	Dissolved	Water	6010B	
885-3224-4	Dowmstream	Dissolved	Water	6010B	
MB 885-3901/21	Method Blank	Total/NA	Water	6010B	
LCS 885-3901/23	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-3901/24	Lab Control Sample Dup	Total/NA	Water	6010B	
LLCS 885-3901/22	Lab Control Sample	Total/NA	Water	6010B	
MRL 885-3901/13	Lab Control Sample	Total/NA	Water	6010B	

Prep Batch: 4008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total Recoverable	Water	3005A	
885-3224-2	North of MW-46	Total Recoverable	Water	3005A	
885-3224-3	North of MW-45	Total Recoverable	Water	3005A	
885-3224-4	Dowmstream	Total Recoverable	Water	3005A	

Analysis Batch: 4472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total Recoverable	Water	6020A	4008
885-3224-2	North of MW-46	Total Recoverable	Water	6020A	4008
885-3224-3	North of MW-45	Total Recoverable	Water	6020A	4008
885-3224-4	Dowmstream	Total Recoverable	Water	6020A	4008
MRL 885-4472/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 4584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Dissolved	Water	6020A	
885-3224-2	North of MW-46	Dissolved	Water	6020A	
885-3224-3	North of MW-45	Dissolved	Water	6020A	
885-3224-4	Dowmstream	Dissolved	Water	6020A	
MB 885-4584/15	Method Blank	Total/NA	Water	6020A	
LCS 885-4584/16	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-4584/17	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-4584/9	Lab Control Sample	Total/NA	Water	6020A	

QC Association Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Metals

Analysis Batch: 4725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Dissolved	Water	6020A	
885-3224-2	North of MW-46	Dissolved	Water	6020A	
885-3224-3	North of MW-45	Dissolved	Water	6020A	
885-3224-4	Dowmstream	Dissolved	Water	6020A	
MB 885-4725/21	Method Blank	Total/NA	Water	6020A	
LCS 885-4725/22	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-4725/23	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-4725/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 4088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3224-1	Upstream	Total/NA	Water	SM 2320B	
885-3224-2	North of MW-46	Total/NA	Water	SM 2320B	
885-3224-3	North of MW-45	Total/NA	Water	SM 2320B	
885-3224-4	Dowmstream	Total/NA	Water	SM 2320B	
MB 885-4088/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-4088/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-4088/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Client Sample ID: Upstream
Date Collected: 04/22/24 13:45
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4288	CM	EET ALB	05/01/24 21:31
Total/NA	Analysis	8015D		1	4037	JP	EET ALB	04/26/24 18:00
Total/NA	Prep	3510C			3782	JM	EET ALB	04/24/24 06:50
Total/NA	Analysis	8015D		1	4063	JU	EET ALB	04/26/24 19:45
Total/NA	Analysis	300.0		1	3785	SS	EET ALB	04/23/24 14:03
Total/NA	Analysis	300.0		1	3786	SS	EET ALB	04/23/24 14:03
Total/NA	Analysis	300.0		20	3785	SS	EET ALB	04/23/24 14:42
Dissolved	Analysis	6010B		1	3901	VP	EET ALB	04/25/24 12:14
Dissolved	Analysis	6020A		10	4584	ES	EET ALB	05/08/24 10:16
Dissolved	Analysis	6020A		10	4725	ES	EET ALB	05/09/24 14:14
Total Recoverable	Prep	3005A			4008	VP	EET ALB	04/29/24 06:12
Total Recoverable	Analysis	6020A		1	4472	ES	EET ALB	05/06/24 16:33
Dissolved	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Dissolved	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:22
Total/NA	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Total/NA	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:13
Total/NA	Analysis	SM 2320B		1	4088	DL	EET ALB	04/29/24 15:02

Client Sample ID: North of MW-46
Date Collected: 04/22/24 14:00
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3224-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4288	CM	EET ALB	05/01/24 21:56
Total/NA	Analysis	8015D		1	4037	JP	EET ALB	04/26/24 19:11
Total/NA	Prep	3510C			3799	JM	EET ALB	04/24/24 09:39
Total/NA	Analysis	8015D		1	4126	JU	EET ALB	04/29/24 21:47
Total/NA	Analysis	300.0		1	3785	SS	EET ALB	04/23/24 14:55
Total/NA	Analysis	300.0		1	3786	SS	EET ALB	04/23/24 14:55
Total/NA	Analysis	300.0		20	3785	SS	EET ALB	04/23/24 15:08
Dissolved	Analysis	6010B		1	3901	VP	EET ALB	04/25/24 12:16
Dissolved	Analysis	6020A		10	4584	ES	EET ALB	05/08/24 10:20
Dissolved	Analysis	6020A		10	4725	ES	EET ALB	05/09/24 14:19
Total Recoverable	Prep	3005A			4008	VP	EET ALB	04/29/24 06:12
Total Recoverable	Analysis	6020A		1	4472	ES	EET ALB	05/06/24 16:38
Dissolved	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Dissolved	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:32
Total/NA	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Total/NA	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:15
Total/NA	Analysis	SM 2320B		1	4088	DL	EET ALB	04/29/24 15:15

Lab Chronicle

Client: Ensolum
Job ID: 885-3224-1
Project/Site: Bloomfield Terminal

Client Sample ID: North of MW-45
Lab Sample ID: 885-3224-3
Date Collected: 04/22/24 14:45
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4288	CM	EET ALB	05/01/24 22:20
Total/NA	Analysis	8015D		1	4037	JP	EET ALB	04/26/24 19:34
Total/NA	Prep	3510C			3799	JM	EET ALB	04/24/24 09:39
Total/NA	Analysis	8015D		1	4126	JU	EET ALB	04/29/24 22:12
Total/NA	Analysis	300.0		1	3785	SS	EET ALB	04/23/24 15:59
Total/NA	Analysis	300.0		1	3786	SS	EET ALB	04/23/24 15:59
Total/NA	Analysis	300.0		20	3785	SS	EET ALB	04/23/24 16:12
Dissolved	Analysis	6010B		1	3901	VP	EET ALB	04/25/24 12:21
Dissolved	Analysis	6020A		10	4584	ES	EET ALB	05/08/24 10:25
Dissolved	Analysis	6020A		10	4725	ES	EET ALB	05/09/24 14:34
Total Recoverable	Prep	3005A			4008	VP	EET ALB	04/29/24 06:12
Total Recoverable	Analysis	6020A		1	4472	ES	EET ALB	05/06/24 16:42
Dissolved	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Dissolved	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:35
Total/NA	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Total/NA	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:17
Total/NA	Analysis	SM 2320B		1	4088	DL	EET ALB	04/29/24 15:25

Client Sample ID: Dowmstream
Lab Sample ID: 885-3224-4
Date Collected: 04/22/24 15:00
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4288	CM	EET ALB	05/01/24 22:44
Total/NA	Analysis	8015D		1	4037	JP	EET ALB	04/26/24 19:57
Total/NA	Prep	3510C			3799	JM	EET ALB	04/24/24 09:39
Total/NA	Analysis	8015D		1	4126	JU	EET ALB	04/29/24 22:36
Total/NA	Analysis	300.0		1	3785	SS	EET ALB	04/23/24 16:24
Total/NA	Analysis	300.0		1	3786	SS	EET ALB	04/23/24 16:24
Total/NA	Analysis	300.0		20	3785	SS	EET ALB	04/23/24 16:37
Dissolved	Analysis	6010B		1	3901	VP	EET ALB	04/25/24 12:25
Dissolved	Analysis	6020A		10	4584	ES	EET ALB	05/08/24 10:29
Dissolved	Analysis	6020A		10	4725	ES	EET ALB	05/09/24 14:39
Total Recoverable	Prep	3005A			4008	VP	EET ALB	04/29/24 06:12
Total Recoverable	Analysis	6020A		1	4472	ES	EET ALB	05/06/24 16:46
Dissolved	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Dissolved	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:37
Total/NA	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Total/NA	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:20
Total/NA	Analysis	SM 2320B		1	4088	DL	EET ALB	04/29/24 15:36

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015D		Water	Gasoline Range Organics [C6 - C10]
8015D	3510C	Water	Diesel Range Organics [C10-C28]
8015D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	Benzene
8260B		Water	Ethylbenzene
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Toluene
8260B		Water	Xylenes, Total
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3

Oregon	NELAP	NM100001	02-26-25

Accreditation/Certification Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3224-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015D		Water	Gasoline Range Organics [C6 - C10]
8015D	3510C	Water	Diesel Range Organics [C10-C28]
8015D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	Benzene
8260B		Water	Ethylbenzene
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Toluene
8260B		Water	Xylenes, Total
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109
Phone (505) 345-3975

Chain of Custody Record

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885-3224 COC

Client Information	Sampler: E. Carrov	Lab PM: Caldwell, John	Carrier Tracking No(s):	COC No: 885-553-175 4
Client Contact: Devin Hencmann	Phone: 303-842-9578	E-Mail: john caldwell@et eurofinsus com	State of Origin: NM	Page: Page 4 of 5
Company: Ensolum LLC	PWSID:			Job #:
Address: 776 E 2nd Avenue	Due Date Requested			
City: Durango	TAT Requested (days)			
State Zip: CO, 81301	Compliance Project: Δ Yes Δ No			
Phone: 903-821-5603(Tel)	PO #: 07A2015 013 Purchase Order Requested			
Email: dhencmann@ensolum.com	WO #:			
Project Name: Bloomfield Terminal	Project #: FOR LAB USE ONLY 88501533			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - BTEX, MTBE,	8015D_DRO - DRO / MRO	8015D_GRO,	6010B RCRA, 7470A Mercury	Dissolved - 6010B RCRA 7 + Ca Cu Fe Mg Mn K Na Zn, 6020A U, 7470A Mercury	2320B Alk	300 Cl, F, No2, NO3, SO4, PO4	SM4500_CO2						Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	A	D	N	D	N	N							
~~Seep 7~~				Water			X					X	X	X							
~~Seep 8~~				Water			X					X	X	X							
~~Seep 9~~				Water			X					X	X	X							
Upstream	4-22	1345		Water			X	X	X	X	X	X	X								
North of MW-46	4-22	1400		Water			X	X	X	X	X	X	X								
North of MW-45	4-22	1445		Water			X	X	X	X	X	X	X								
Downstream	4-22	1500		Water			X	X	X	X	X	X	X								
~~MW-8~~				Water			X	X	X												
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify): Level IV

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Eric Carrov	4-22 1535	Ensolum	Trust Watt	4 22 24	1535
Trust Watt	4/22/24 1740			4/23/24 10:15	courier

Custody Seals Intact. Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 0.8 + 0 = 0.8 °C marty

Labeled By: TMC ~~4/24~~ 4/23/24

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-3224-1

Login Number: 3224 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum
601 N. Marienfeld St.
Suite 400
Midland, Texas 79701

Generated 5/13/2024 4:04:17 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-3226-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
5/13/2024 4:04:17 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-3226-1

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Definitions/Glossary

Client: Ensolum Job ID: 885-3226-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
P2	The sample was received with pH>2

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum
Project: Bloomfield Terminal

Job ID: 885-3226-1

Job ID: 885-3226-1 Eurofins Albuquerque

Job Narrative
885-3226-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/23/2024 6:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

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

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

GC Semi VOA
Method 8015D_DRO_LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-3799 and analytical batch 885-4126 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28].

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

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: CW 0+60

Date Collected: 04/22/24 13:10
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.0**		2.0		ug/L			05/02/24 17:18	2
Ethylbenzene	ND		2.0		ug/L			05/02/24 17:18	2
Toluene	ND		2.0		ug/L			05/02/24 17:18	2
Xylenes, Total	ND		3.0		ug/L			05/02/24 17:18	2
Methyl-tert-butyl Ether (MTBE)	**5.2**		2.0		ug/L			05/02/24 17:18	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*05/02/24 17:18*	*2*
Toluene-d8 (Surr)	*117*		*70 - 130*		*05/02/24 17:18*	*2*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*05/02/24 17:18*	*2*
Dibromofluoromethane (Surr)	*94*		*70 - 130*		*05/02/24 17:18*	*2*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.2**	***1**	0.43		mg/L		04/24/24 09:39	04/29/24 20:09	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 09:39	04/29/24 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*33 - 159*	*04/24/24 09:39*	*04/29/24 20:09*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: DUP B
Date Collected: 04/22/24 13:10
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.0**		2.0		ug/L			05/02/24 17:43	2
Ethylbenzene	ND		2.0		ug/L			05/02/24 17:43	2
Toluene	ND		2.0		ug/L			05/02/24 17:43	2
Xylenes, Total	ND		3.0		ug/L			05/02/24 17:43	2
Methyl-tert-butyl Ether (MTBE)	**5.4**		2.0		ug/L			05/02/24 17:43	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*05/02/24 17:43*	*2*
Toluene-d8 (Surr)	*117*		*70 - 130*		*05/02/24 17:43*	*2*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*05/02/24 17:43*	*2*
Dibromofluoromethane (Surr)	*93*		*70 - 130*		*05/02/24 17:43*	*2*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.8**	***1**	0.43		mg/L		04/24/24 09:39	04/29/24 20:33	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 09:39	04/29/24 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*33 - 159*	*04/24/24 09:39*	*04/29/24 20:33*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: MW-35
Date Collected: 04/22/24 12:40
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	P2	1.0		ug/L			05/01/24 23:09	1
Ethylbenzene	ND	P2	1.0		ug/L			05/01/24 23:09	1
Toluene	ND	P2	1.0		ug/L			05/01/24 23:09	1
Xylenes, Total	ND	P2	1.5		ug/L			05/01/24 23:09	1
Methyl-tert-butyl Ether (MTBE)	ND	P2	1.0		ug/L			05/01/24 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*	*P2*	*70 - 130*		*05/01/24 23:09*	*1*
Toluene-d8 (Surr)	*95*	*P2*	*70 - 130*		*05/01/24 23:09*	*1*
4-Bromofluorobenzene (Surr)	*104*	*P2*	*70 - 130*		*05/01/24 23:09*	*1*
Dibromofluoromethane (Surr)	*102*	*P2*	*70 - 130*		*05/01/24 23:09*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: MW-37
Date Collected: 04/22/24 12:15
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/02/24 15:16	1
Ethylbenzene	ND		1.0		ug/L			05/02/24 15:16	1
Toluene	ND		1.0		ug/L			05/02/24 15:16	1
Xylenes, Total	ND		1.5		ug/L			05/02/24 15:16	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/02/24 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/02/24 15:16*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/02/24 15:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*05/02/24 15:16*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/02/24 15:16*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 270*		*04/26/24 21:08*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*1	0.43		mg/L		04/24/24 09:39	04/29/24 20:58	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 09:39	04/29/24 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*33 - 159*	*04/24/24 09:39*	*04/29/24 20:58*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: MW-38
Date Collected: 04/22/24 11:30
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/02/24 15:41	1
Ethylbenzene	ND		1.0		ug/L			05/02/24 15:41	1
Toluene	ND		1.0		ug/L			05/02/24 15:41	1
Xylenes, Total	ND		1.5		ug/L			05/02/24 15:41	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/02/24 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/02/24 15:41*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*05/02/24 15:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/24 15:41*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/02/24 15:41*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 270*		*04/26/24 21:32*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*1	0.43		mg/L		04/24/24 09:39	04/29/24 21:23	1
Motor Oil Range Organics [C28-C40]	ND		0.23		mg/L		04/24/24 09:39	04/29/24 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*33 - 159*	*04/24/24 09:39*	*04/29/24 21:23*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: Field

Date Collected: 04/22/24 15:15
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/02/24 16:05	1
Ethylbenzene	ND		1.0		ug/L			05/02/24 16:05	1
Toluene	ND		1.0		ug/L			05/02/24 16:05	1
Xylenes, Total	ND		1.5		ug/L			05/02/24 16:05	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/02/24 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/02/24 16:05*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*05/02/24 16:05*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/02/24 16:05*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/02/24 16:05*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: Rinse

Date Collected: 04/22/24 15:10
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/02/24 16:30	1
Ethylbenzene	ND		1.0		ug/L			05/02/24 16:30	1
Toluene	ND		1.0		ug/L			05/02/24 16:30	1
Xylenes, Total	ND		1.5		ug/L			05/02/24 16:30	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/02/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*05/02/24 16:30*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/02/24 16:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/02/24 16:30*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/02/24 16:30*	*1*

Client Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Client Sample ID: Trip Blank

Date Collected: 04/22/24 15:20
Date Received: 04/23/24 06:15

Lab Sample ID: 885-3226-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/02/24 16:54	1
Ethylbenzene	ND		1.0		ug/L			05/02/24 16:54	1
Toluene	ND		1.0		ug/L			05/02/24 16:54	1
Xylenes, Total	ND		1.5		ug/L			05/02/24 16:54	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/02/24 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*05/02/24 16:54*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*05/02/24 16:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/24 16:54*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*05/02/24 16:54*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-4288/3
Matrix: Water
Analysis Batch: 4288

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/01/24 13:47	1
Ethylbenzene	ND		1.0		ug/L			05/01/24 13:47	1
Toluene	ND		1.0		ug/L			05/01/24 13:47	1
Xylenes, Total	ND		1.5		ug/L			05/01/24 13:47	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/01/24 13:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*05/01/24 13:47*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/01/24 13:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*05/01/24 13:47*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*05/01/24 13:47*	*1*

Lab Sample ID: LCS 885-4288/2
Matrix: Water
Analysis Batch: 4288

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.1	19.9		ug/L		99	70 - 130		
Toluene			20.2	19.5		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 885-4351/3
Matrix: Water
Analysis Batch: 4351

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/02/24 14:03	1
Ethylbenzene	ND		1.0		ug/L			05/02/24 14:03	1
Toluene	ND		1.0		ug/L			05/02/24 14:03	1
Xylenes, Total	ND		1.5		ug/L			05/02/24 14:03	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			05/02/24 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/02/24 14:03*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/02/24 14:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/02/24 14:03*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*05/02/24 14:03*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

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

Lab Sample ID: LCS 885-4351/2
Matrix: Water
Analysis Batch: 4351

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.1	19.9		ug/L		99	70 - 130		
Toluene			20.2	19.6		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-4037/16
Matrix: Water
Analysis Batch: 4037

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050		mg/L			04/26/24 16:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*04/26/24 16:50*	*1*

Lab Sample ID: 885-326-A-1 LCS
Matrix: Water
Analysis Batch: 4037

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.530		mg/L		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*213*		*15 - 270*

Method: 8015D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-3799/1-A
Matrix: Water
Analysis Batch: 4126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3799

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.15		mg/L		04/24/24 09:39	04/29/24 18:55	1
Motor Oil Range Organics [C28-C40]	ND		0.080		mg/L		04/24/24 09:39	04/29/24 18:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*33 - 159*	*04/24/24 09:39*	*04/29/24 18:55*	*1*

QC Sample Results

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

Method: 8015D - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCS 885-3799/2-A
Matrix: Water
Analysis Batch: 4126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3799

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	0.134	J	mg/L		71	33 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*109*		*33 - 159*

Lab Sample ID: LCSD 885-3799/3-A
Matrix: Water
Analysis Batch: 4126

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3799

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	ND	*1	mg/L		57	33 - 149	22	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*99*		*33 - 159*

QC Association Summary

Client: Ensolum
Project/Site: Bloomfield Terminal

Job ID: 885-3226-1

GC/MS VOA

Analysis Batch: 4288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3226-3	MW-35	Total/NA	Water	8260B	
MB 885-4288/3	Method Blank	Total/NA	Water	8260B	
LCS 885-4288/2	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 4351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3226-1	CW 0+60	Total/NA	Water	8260B	
885-3226-2	DUP B	Total/NA	Water	8260B	
885-3226-4	MW-37	Total/NA	Water	8260B	
885-3226-5	MW-38	Total/NA	Water	8260B	
885-3226-6	Field	Total/NA	Water	8260B	
885-3226-7	Rinse	Total/NA	Water	8260B	
885-3226-8	Trip Blank	Total/NA	Water	8260B	
MB 885-4351/3	Method Blank	Total/NA	Water	8260B	
LCS 885-4351/2	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 4037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3226-4	MW-37	Total/NA	Water	8015D	
885-3226-5	MW-38	Total/NA	Water	8015D	
MB 885-4037/16	Method Blank	Total/NA	Water	8015D	
885-326-A-1 LCS	Lab Control Sample	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 3799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3226-1	CW 0+60	Total/NA	Water	3510C	
885-3226-2	DUP B	Total/NA	Water	3510C	
885-3226-4	MW-37	Total/NA	Water	3510C	
885-3226-5	MW-38	Total/NA	Water	3510C	
MB 885-3799/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-3799/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-3799/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 4126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3226-1	CW 0+60	Total/NA	Water	8015D	3799
885-3226-2	DUP B	Total/NA	Water	8015D	3799
885-3226-4	MW-37	Total/NA	Water	8015D	3799
885-3226-5	MW-38	Total/NA	Water	8015D	3799
MB 885-3799/1-A	Method Blank	Total/NA	Water	8015D	3799
LCS 885-3799/2-A	Lab Control Sample	Total/NA	Water	8015D	3799
LCSD 885-3799/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	3799

Lab Chronicle

Client: Ensolum
Job ID: 885-3226-1
Project/Site: Bloomfield Terminal

Client Sample ID: CW 0+60
Lab Sample ID: 885-3226-1
Date Collected: 04/22/24 13:10
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	4351	JR	EET ALB	05/02/24 17:18
Total/NA	Prep	3510C			3799	JM	EET ALB	04/24/24 09:39
Total/NA	Analysis	8015D		1	4126	JU	EET ALB	04/29/24 20:09

Client Sample ID: DUP B
Lab Sample ID: 885-3226-2
Date Collected: 04/22/24 13:10
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	4351	JR	EET ALB	05/02/24 17:43
Total/NA	Prep	3510C			3799	JM	EET ALB	04/24/24 09:39
Total/NA	Analysis	8015D		1	4126	JU	EET ALB	04/29/24 20:33

Client Sample ID: MW-35
Lab Sample ID: 885-3226-3
Date Collected: 04/22/24 12:40
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4288	CM	EET ALB	05/01/24 23:09

Client Sample ID: MW-37
Lab Sample ID: 885-3226-4
Date Collected: 04/22/24 12:15
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4351	JR	EET ALB	05/02/24 15:16
Total/NA	Analysis	8015D		1	4037	JP	EET ALB	04/26/24 21:08
Total/NA	Prep	3510C			3799	JM	EET ALB	04/24/24 09:39
Total/NA	Analysis	8015D		1	4126	JU	EET ALB	04/29/24 20:58

Client Sample ID: MW-38
Lab Sample ID: 885-3226-5
Date Collected: 04/22/24 11:30
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4351	JR	EET ALB	05/02/24 15:41
Total/NA	Analysis	8015D		1	4037	JP	EET ALB	04/26/24 21:32
Total/NA	Prep	3510C			3799	JM	EET ALB	04/24/24 09:39
Total/NA	Analysis	8015D		1	4126	JU	EET ALB	04/29/24 21:23

Lab Chronicle

Client: Ensolum
Job ID: 885-3226-1
Project/Site: Bloomfield Terminal

Client Sample ID: Field
Lab Sample ID: 885-3226-6
Date Collected: 04/22/24 15:15
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4351	JR	EET ALB	05/02/24 16:05

Client Sample ID: Rinse
Lab Sample ID: 885-3226-7
Date Collected: 04/22/24 15:10
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4351	JR	EET ALB	05/02/24 16:30

Client Sample ID: Trip Blank
Lab Sample ID: 885-3226-8
Date Collected: 04/22/24 15:20
Matrix: Water
Date Received: 04/23/24 06:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	4351	JR	EET ALB	05/02/24 16:54

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum
Job ID: 885-3226-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015D		Water	Gasoline Range Organics [C6 - C10]
8015D	3510C	Water	Diesel Range Organics [C10-C28]
8015D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	Benzene
8260B		Water	Ethylbenzene
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Toluene
8260B		Water	Xylenes, Total

Oregon	NELAP	NM100001	02-26-25

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Chain-of-Custody Record

Client: Ensolum

Mailing Address:

Phone #: 303-842-9578

email or Fax#: dhencmann@ensolum.com

QA/QC Package
☐ Standard ☒ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Bloomfield Terminal

Project #: 07A2015013

Project Manager: Devin Hencmann

Sampler: E. Carroll

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.6 + 0 = 2.6 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-3226 COC

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
4-22	1310	AQ	CW QTGG	3 voA Lamber	HCl	1
	1310	AQ	DUP ~~X~~ B			2
	~~1240~~	AQ	MW-35			3
	1215		MW-37			4
	1130		MW-38			5
	1515		~~Upstream~~ Field			6
	1510		~~# of 4~~ Rinse			7
	1520		~~# of 4~~ Trip blank	3 VOA		8

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8260 BTEX, MTBE	8015 DROLL DRO/MRO	8015 D GRO		Air Bubbles (Y or N)
											X	X	X		
											X	X	X		
											X				
											X	X	X		
											X	X	X		
											X				
											X				
											X				

Date	Time	Relinquished by	Received by	Date	Time
4-22	15:35			4/22/24	1535
4/22/24	1740		Courier	4/23/24	10:15

Remarks:
cc: ecarroll@ensolum.com
Labeled By: mc 4/23/24

If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum Job Number: 885-3226-1

Login Number: 3226 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

Generated 9/20/2024 2:35:05 PM

JOB DESCRIPTION

BT

JOB NUMBER

885-9427-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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9/20/2024 2:35:05 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: BT

Laboratory Job ID: 885-9427-1

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Definitions/Glossary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

Definitions/Glossary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: BT

Job ID: 885-9427-1

Job ID: 885-9427-1 Eurofins Albuquerque

Job Narrative
885-9427-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/8/2024 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C.

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

GC/MS Semi VOA
Method 8270C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-10148 and analytical batch 885-10960 recovered outside control limits for the following analytes: Pyrene. Confirming results with a re-extraction. Results confirmed on analytical batch 11507.

Method 8270C: The laboratory control sample (LCS) for preparation batch 885-10148 and analytical batch 885-10960 recovered outside control limits. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

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

Gasoline Range Organics
Method 8015D_GRO: Surrogate recovery for the following sample was outside control limits: MW-4 (885-9427-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015D_DRO_LL: The following sample was diluted due to the nature of the sample matrix: MW-4 (885-9427-9). Elevated reporting limits (RLs) are provided.

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

HPLC/IC
Method 300_OF_28D_PREC: The following sample was diluted due to the nature of the sample matrix: MW-4 (885-9427-9). Elevated reporting limits (RLs) are provided.

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: MW-1 (885-9427-3) and MW-4 (885-9427-9). Elevated reporting limits (RLs) are provided.

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

Metals
Method 7470A: The continuing calibration verification (CCV) associated with batch 885-10352 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 7470A: The continuing calibration verification (CCV) associated with batch 885-10351 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been

Case Narrative

Client: Ensolum LLC
Project: BT

Job ID: 885-9427-1

Job ID: 885-9427-1 (Continued) Eurofins Albuquerque

reported.

Method 7470A: The continuing calibration verification (CCV) associated with batch 885-10351 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry
Method 2320B: pH QC for these samples failed. Samples reanalyzed to verify values.

MW-08 (885-9427-1), MW-1 (885-9427-3), (LCS 885-10833/3), (MB 885-10833/2), (MRL 885-10833/1), (885-9584-F-3) and (885-9584-F-3 DU)

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

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-08
Date Collected: 08/07/24 10:30
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/12/24 21:27	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/12/24 21:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/12/24 21:27	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/12/24 21:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/12/24 21:27	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/12/24 21:27	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/12/24 21:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/12/24 21:27	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/12/24 21:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/12/24 21:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/12/24 21:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/12/24 21:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/12/24 21:27	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/12/24 21:27	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/12/24 21:27	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/12/24 21:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/12/24 21:27	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/12/24 21:27	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/12/24 21:27	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/12/24 21:27	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 21:27	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/12/24 21:27	1
2-Butanone	ND		10	2.0	ug/L			08/12/24 21:27	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 21:27	1
2-Hexanone	ND		10	1.8	ug/L			08/12/24 21:27	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 21:27	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 21:27	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/12/24 21:27	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/12/24 21:27	1
Acetone	ND		10	2.5	ug/L			08/12/24 21:27	1
Benzene	ND		1.0	0.23	ug/L			08/12/24 21:27	1
Bromobenzene	ND		1.0	0.28	ug/L			08/12/24 21:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/12/24 21:27	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/12/24 21:27	1
Bromoform	ND		1.0	0.31	ug/L			08/12/24 21:27	1
Bromomethane	ND		3.0	1.0	ug/L			08/12/24 21:27	1
Carbon disulfide	ND		10	1.0	ug/L			08/12/24 21:27	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/12/24 21:27	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/12/24 21:27	1
Chloroethane	ND		2.0	0.38	ug/L			08/12/24 21:27	1
Chloroform	ND		1.0	0.25	ug/L			08/12/24 21:27	1
Chloromethane	ND		3.0	0.41	ug/L			08/12/24 21:27	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/12/24 21:27	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/12/24 21:27	1
Dibromomethane	ND		1.0	0.31	ug/L			08/12/24 21:27	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/12/24 21:27	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/12/24 21:27	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/12/24 21:27	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/12/24 21:27	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-08
Date Collected: 08/07/24 10:30
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/12/24 21:27	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/12/24 21:27	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/12/24 21:27	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/12/24 21:27	1
Naphthalene	ND		2.0	0.24	ug/L			08/12/24 21:27	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/12/24 21:27	1
Styrene	ND		1.0	0.14	ug/L			08/12/24 21:27	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/12/24 21:27	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/12/24 21:27	1
Toluene	ND		1.0	0.25	ug/L			08/12/24 21:27	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/12/24 21:27	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/12/24 21:27	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/12/24 21:27	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/12/24 21:27	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/12/24 21:27	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/12/24 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*08/12/24 21:27*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/12/24 21:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/12/24 21:27*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*08/12/24 21:27*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 270*		*08/14/24 15:08*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.090**	**J**	0.19	0.067	mg/L		08/08/24 11:53	08/15/24 16:14	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*33 - 159*	*08/08/24 11:53*	*08/15/24 16:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**1.1**		0.10	0.050	mg/L			08/08/24 15:45	1
Nitrate	**7.2**		2.0	0.40	mg/L			08/08/24 15:58	20
Chloride	**350**		10	5.0	mg/L			08/08/24 15:58	20
Nitrite	ND		0.10	0.012	mg/L			08/08/24 15:45	1
Fluoride	**0.38**		0.10	0.046	mg/L			08/08/24 15:45	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/08/24 15:45	1
Sulfate	**920**		25		mg/L			08/13/24 06:09	50

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-08
Date Collected: 08/07/24 10:30
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**180**		20	20	mg/L			08/21/24 16:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**		20	20	mg/L			08/21/24 16:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/21/24 16:30	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-78
Date Collected: 08/07/24 11:10
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/12/24 21:51	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/12/24 21:51	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/12/24 21:51	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/12/24 21:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/12/24 21:51	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/12/24 21:51	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/12/24 21:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/12/24 21:51	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/12/24 21:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/12/24 21:51	1
1,2,4-Trimethylbenzene	**0.28**	**J**	1.0	0.12	ug/L			08/12/24 21:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/12/24 21:51	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/12/24 21:51	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/12/24 21:51	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/12/24 21:51	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/12/24 21:51	1
1,3,5-Trimethylbenzene	**0.41**	**J**	1.0	0.18	ug/L			08/12/24 21:51	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/12/24 21:51	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/12/24 21:51	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/12/24 21:51	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 21:51	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/12/24 21:51	1
2-Butanone	ND		10	2.0	ug/L			08/12/24 21:51	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 21:51	1
2-Hexanone	ND		10	1.8	ug/L			08/12/24 21:51	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 21:51	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 21:51	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/12/24 21:51	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/12/24 21:51	1
Acetone	ND		10	2.5	ug/L			08/12/24 21:51	1
Benzene	ND		1.0	0.23	ug/L			08/12/24 21:51	1
Bromobenzene	ND		1.0	0.28	ug/L			08/12/24 21:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/12/24 21:51	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/12/24 21:51	1
Bromoform	ND		1.0	0.31	ug/L			08/12/24 21:51	1
Bromomethane	ND		3.0	1.0	ug/L			08/12/24 21:51	1
Carbon disulfide	ND		10	1.0	ug/L			08/12/24 21:51	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/12/24 21:51	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/12/24 21:51	1
Chloroethane	ND		2.0	0.38	ug/L			08/12/24 21:51	1
Chloroform	ND		1.0	0.25	ug/L			08/12/24 21:51	1
Chloromethane	ND		3.0	0.41	ug/L			08/12/24 21:51	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/12/24 21:51	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/12/24 21:51	1
Dibromomethane	ND		1.0	0.31	ug/L			08/12/24 21:51	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/12/24 21:51	1
Ethylbenzene	**0.38**	**J**	1.0	0.21	ug/L			08/12/24 21:51	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/12/24 21:51	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/12/24 21:51	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-78
Date Collected: 08/07/24 11:10
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/12/24 21:51	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/12/24 21:51	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/12/24 21:51	1
N-Propylbenzene	**0.11**	**J**	1.0	0.11	ug/L			08/12/24 21:51	1
Naphthalene	**0.25**	**J**	2.0	0.24	ug/L			08/12/24 21:51	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/12/24 21:51	1
Styrene	ND		1.0	0.14	ug/L			08/12/24 21:51	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/12/24 21:51	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/12/24 21:51	1
Toluene	ND		1.0	0.25	ug/L			08/12/24 21:51	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/12/24 21:51	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/12/24 21:51	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/12/24 21:51	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/12/24 21:51	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/12/24 21:51	1
Xylenes, Total	**1.0**	**J**	1.5	0.37	ug/L			08/12/24 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*08/12/24 21:51*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/12/24 21:51*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/12/24 21:51*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*08/12/24 21:51*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		40	32	ug/L		08/13/24 07:08	08/26/24 19:18	1
1,2-Dichlorobenzene	ND		40	40	ug/L		08/13/24 07:08	08/26/24 19:18	1
1,3-Dichlorobenzene	ND		48	45	ug/L		08/13/24 07:08	08/26/24 19:18	1
1,4-Dichlorobenzene	ND		48	40	ug/L		08/13/24 07:08	08/26/24 19:18	1
1-Methylnaphthalene	ND		40	34	ug/L		08/13/24 07:08	08/26/24 19:18	1
2,4,5-Trichlorophenol	ND		40	21	ug/L		08/13/24 07:08	08/26/24 19:18	1
2,4,6-Trichlorophenol	ND		40	17	ug/L		08/13/24 07:08	08/26/24 19:18	1
2,4-Dichlorophenol	ND		20	15	ug/L		08/13/24 07:08	08/26/24 19:18	1
2,4-Dimethylphenol	ND		40	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
2,4-Dinitrophenol	ND		120	110	ug/L		08/13/24 07:08	08/26/24 19:18	1
2,4-Dinitrotoluene	ND	*-	20	20	ug/L		08/13/24 07:08	08/26/24 19:18	1
2,6-Dinitrotoluene	ND		40	31	ug/L		08/13/24 07:08	08/26/24 19:18	1
2-Chloronaphthalene	ND		40	35	ug/L		08/13/24 07:08	08/26/24 19:18	1
2-Chlorophenol	ND		80	42	ug/L		08/13/24 07:08	08/26/24 19:18	1
2-Methylnaphthalene	ND		20	11	ug/L		08/13/24 07:08	08/26/24 19:18	1
2-Methylphenol	ND		40	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
2-Nitroaniline	ND		40	22	ug/L		08/13/24 07:08	08/26/24 19:18	1
2-Nitrophenol	ND		40	18	ug/L		08/13/24 07:08	08/26/24 19:18	1
3 & 4 Methylphenol	ND		40	20	ug/L		08/13/24 07:08	08/26/24 19:18	1
3,3'-Dichlorobenzidine	ND		40	25	ug/L		08/13/24 07:08	08/26/24 19:18	1
3-Nitroaniline	ND		80	60	ug/L		08/13/24 07:08	08/26/24 19:18	1
4,6-Dinitro-2-methylphenol	ND		80	76	ug/L		08/13/24 07:08	08/26/24 19:18	1
4-Bromophenyl phenyl ether	ND		20	16	ug/L		08/13/24 07:08	08/26/24 19:18	1
4-Chloro-3-methylphenol	ND	*-	20	18	ug/L		08/13/24 07:08	08/26/24 19:18	1
4-Chloroaniline	ND		20	19	ug/L		08/13/24 07:08	08/26/24 19:18	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-78
Date Collected: 08/07/24 11:10
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-2
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		20	15	ug/L		08/13/24 07:08	08/26/24 19:18	1
4-Nitroaniline	ND		20	18	ug/L		08/13/24 07:08	08/26/24 19:18	1
4-Nitrophenol	ND		40	21	ug/L		08/13/24 07:08	08/26/24 19:18	1
Acenaphthene	ND	*-	40	31	ug/L		08/13/24 07:08	08/26/24 19:18	1
Acenaphthylene	ND		20	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Aniline	ND		40	22	ug/L		08/13/24 07:08	08/26/24 19:18	1
Anthracene	ND		20	15	ug/L		08/13/24 07:08	08/26/24 19:18	1
Azobenzene	ND		40	15	ug/L		08/13/24 07:08	08/26/24 19:18	1
Benzo[a]anthracene	ND		40	27	ug/L		08/13/24 07:08	08/26/24 19:18	1
Benzo[a]pyrene	ND		20	20	ug/L		08/13/24 07:08	08/26/24 19:18	1
Benzo[b]fluoranthene	ND		40	23	ug/L		08/13/24 07:08	08/26/24 19:18	1
Benzo[g,h,i]perylene	ND		20	20	ug/L		08/13/24 07:08	08/26/24 19:18	1
Benzo[k]fluoranthene	ND		40	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Benzoic acid	ND		80	61	ug/L		08/13/24 07:08	08/26/24 19:18	1
Benzyl alcohol	ND		20	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Bis(2-ethylhexyl) phthalate	ND		40	39	ug/L		08/13/24 07:08	08/26/24 19:18	1
bis (2-Chloroisopropyl) ether	ND		20	15	ug/L		08/13/24 07:08	08/26/24 19:18	1
Bis(2-chloroethoxy)methane	ND		40	17	ug/L		08/13/24 07:08	08/26/24 19:18	1
Bis(2-chloroethyl)ether	ND		40	20	ug/L		08/13/24 07:08	08/26/24 19:18	1
Butyl benzyl phthalate	ND		40	26	ug/L		08/13/24 07:08	08/26/24 19:18	1
Carbazole	ND		40	21	ug/L		08/13/24 07:08	08/26/24 19:18	1
Chrysene	ND		20	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Di-n-butyl phthalate	ND		40	22	ug/L		08/13/24 07:08	08/26/24 19:18	1
Di-n-octyl phthalate	ND		40	30	ug/L		08/13/24 07:08	08/26/24 19:18	1
Dibenz(a,h)anthracene	ND		40	27	ug/L		08/13/24 07:08	08/26/24 19:18	1
Dibenzofuran	ND		40	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Diethyl phthalate	ND		40	22	ug/L		08/13/24 07:08	08/26/24 19:18	1
Dimethyl phthalate	ND		40	22	ug/L		08/13/24 07:08	08/26/24 19:18	1
Fluoranthene	ND		40	22	ug/L		08/13/24 07:08	08/26/24 19:18	1
Fluorene	ND		20	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Hexachlorobenzene	ND		80	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Hexachlorobutadiene	ND		80	45	ug/L		08/13/24 07:08	08/26/24 19:18	1
Hexachlorocyclopentadiene	ND		80	36	ug/L		08/13/24 07:08	08/26/24 19:18	1
Hexachloroethane	ND		80	44	ug/L		08/13/24 07:08	08/26/24 19:18	1
Indeno[1,2,3-cd]pyrene	ND		40	21	ug/L		08/13/24 07:08	08/26/24 19:18	1
Isophorone	ND		20	17	ug/L		08/13/24 07:08	08/26/24 19:18	1
N-Nitrosodi-n-propylamine	ND		20	15	ug/L		08/13/24 07:08	08/26/24 19:18	1
N-Nitrosodimethylamine	ND		20	12	ug/L		08/13/24 07:08	08/26/24 19:18	1
N-Nitrosodiphenylamine	ND		40	21	ug/L		08/13/24 07:08	08/26/24 19:18	1
Naphthalene	ND		20	13	ug/L		08/13/24 07:08	08/26/24 19:18	1
Nitrobenzene	ND		20	14	ug/L		08/13/24 07:08	08/26/24 19:18	1
Pentachlorophenol	ND		80	60	ug/L		08/13/24 07:08	08/26/24 19:18	1
Phenanthrene	ND		20	19	ug/L		08/13/24 07:08	08/26/24 19:18	1
Phenol	ND	*-	40	16	ug/L		08/13/24 07:08	08/26/24 19:18	1
Pyrene	ND	*- *1	40	21	ug/L		08/13/24 07:08	08/26/24 19:18	1
Pyridine	ND		80	10	ug/L		08/13/24 07:08	08/26/24 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*38*		*15 - 130*	*08/13/24 07:08*	*08/26/24 19:18*	*1*
2-Fluorophenol (Surr)	*50*		*15 - 130*	*08/13/24 07:08*	*08/26/24 19:18*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-78
Date Collected: 08/07/24 11:10
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-2
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		15 - 130	08/13/24 07:08	08/26/24 19:18	1
Nitrobenzene-d5 (Surr)	64		29 - 130	08/13/24 07:08	08/26/24 19:18	1
2-Fluorobiphenyl (Surr)	57		20 - 130	08/13/24 07:08	08/26/24 19:18	1
p-Terphenyl-d14 (Surr)	65		41 - 130	08/13/24 07:08	08/26/24 19:18	1

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.014	J	0.050	0.013	mg/L			08/14/24 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 270		08/14/24 15:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.072	J	0.19	0.067	mg/L		08/08/24 11:53	08/15/24 16:37	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		33 - 159	08/08/24 11:53	08/15/24 16:37	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-1
Date Collected: 08/07/24 11:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/12/24 22:15	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/12/24 22:15	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/12/24 22:15	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/12/24 22:15	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/12/24 22:15	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/12/24 22:15	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/12/24 22:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/12/24 22:15	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/12/24 22:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/12/24 22:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/12/24 22:15	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/12/24 22:15	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/12/24 22:15	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/12/24 22:15	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/12/24 22:15	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/12/24 22:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/12/24 22:15	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/12/24 22:15	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/12/24 22:15	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/12/24 22:15	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 22:15	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/12/24 22:15	1
2-Butanone	ND		10	2.0	ug/L			08/12/24 22:15	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 22:15	1
2-Hexanone	ND		10	1.8	ug/L			08/12/24 22:15	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 22:15	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 22:15	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/12/24 22:15	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/12/24 22:15	1
Acetone	ND		10	2.5	ug/L			08/12/24 22:15	1
Benzene	ND		1.0	0.23	ug/L			08/12/24 22:15	1
Bromobenzene	ND		1.0	0.28	ug/L			08/12/24 22:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/12/24 22:15	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/12/24 22:15	1
Bromoform	ND		1.0	0.31	ug/L			08/12/24 22:15	1
Bromomethane	ND		3.0	1.0	ug/L			08/12/24 22:15	1
Carbon disulfide	ND		10	1.0	ug/L			08/12/24 22:15	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/12/24 22:15	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/12/24 22:15	1
Chloroethane	ND		2.0	0.38	ug/L			08/12/24 22:15	1
Chloroform	ND		1.0	0.25	ug/L			08/12/24 22:15	1
Chloromethane	ND		3.0	0.41	ug/L			08/12/24 22:15	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/12/24 22:15	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/12/24 22:15	1
Dibromomethane	ND		1.0	0.31	ug/L			08/12/24 22:15	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/12/24 22:15	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/12/24 22:15	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/12/24 22:15	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/12/24 22:15	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-1
Date Collected: 08/07/24 11:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/12/24 22:15	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/12/24 22:15	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/12/24 22:15	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/12/24 22:15	1
Naphthalene	ND		2.0	0.24	ug/L			08/12/24 22:15	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/12/24 22:15	1
Styrene	ND		1.0	0.14	ug/L			08/12/24 22:15	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/12/24 22:15	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/12/24 22:15	1
Toluene	ND		1.0	0.25	ug/L			08/12/24 22:15	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/12/24 22:15	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/12/24 22:15	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/12/24 22:15	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/12/24 22:15	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/12/24 22:15	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/12/24 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*08/12/24 22:15*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*08/12/24 22:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*08/12/24 22:15*	*1*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*08/12/24 22:15*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 270*		*08/14/24 15:56*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.15**	**J**	0.19	0.067	mg/L		08/08/24 11:53	08/15/24 17:01	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*33 - 159*	*08/08/24 11:53*	*08/15/24 17:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.50	mg/L			08/08/24 16:10	10
Nitrate	**3.5**		1.0	0.20	mg/L			08/08/24 16:10	10
Chloride	**10**		5.0	2.5	mg/L			08/08/24 16:10	10
Nitrite	ND		1.0	0.12	mg/L			08/08/24 16:10	10
Fluoride	**0.51**	**J**	1.0	0.46	mg/L			08/08/24 16:10	10
Orthophosphate as P	ND		5.0	2.5	mg/L			08/08/24 16:10	10
Sulfate	**310**		5.0	2.5	mg/L			08/08/24 16:10	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		5.0	0.45	mg/L			08/15/24 10:13	5

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-1
Date Collected: 08/07/24 11:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-3
Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1.4**		0.10	0.087	mg/L			08/15/24 10:13	5
Magnesium	**26**		1.0	0.098	mg/L			08/15/24 10:11	1
Manganese	**0.15**		0.0020	0.00032	mg/L			08/15/24 10:11	1
Potassium	**2.2**		1.0	0.13	mg/L			08/15/24 10:11	1
Sodium	**69**		1.0	0.30	mg/L			08/15/24 10:11	1
Zinc	**0.037**		0.020	0.0049	mg/L			08/15/24 10:11	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:16	5
Barium	**0.063**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:16	5
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:16	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:16	5
Lead	ND		0.020	0.012	mg/L		08/14/24 13:52	08/27/24 15:16	20
Selenium	**0.0049**	**J B**	0.0050	0.0040	mg/L		08/14/24 13:52	08/23/24 12:16	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 11:43	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:19	20
Barium	**0.054**		0.020	0.010	mg/L			09/06/24 11:19	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:19	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:19	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:19	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:19	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 11:19	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:19	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 11:19	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00015**	**J ^+**	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:24	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**230**		20	20	mg/L			08/21/24 16:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**230**		20	20	mg/L			08/21/24 16:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/21/24 16:41	1
Carbon dioxide (SM 4500 CO2 D)	**210**	**HF**	23	23	mg/L			08/27/24 16:39	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: OW 25+70

Date Collected: 08/07/24 12:25
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/12/24 22:40	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/12/24 22:40	1
Toluene	ND		1.0	0.25	ug/L			08/12/24 22:40	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/12/24 22:40	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/12/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/12/24 22:40*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/12/24 22:40*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*08/12/24 22:40*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*08/12/24 22:40*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/14/24 16:19*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.075**	**J**	0.19	0.067	mg/L		08/08/24 11:53	08/15/24 17:49	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*33 - 159*	*08/08/24 11:53*	*08/15/24 17:49*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: OW 23+90
Date Collected: 08/07/24 12:40
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/12/24 23:04	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/12/24 23:04	1
Toluene	ND		1.0	0.25	ug/L			08/12/24 23:04	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/12/24 23:04	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/12/24 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*08/12/24 23:04*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/12/24 23:04*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*08/12/24 23:04*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*08/12/24 23:04*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/14/24 16:43*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.20**		0.19	0.067	mg/L		08/08/24 11:53	08/15/24 18:14	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*33 - 159*	*08/08/24 11:53*	*08/15/24 18:14*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: OW 23+10

Date Collected: 08/07/24 13:10
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/13/24 01:30	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/13/24 01:30	1
Toluene	ND		1.0	0.25	ug/L			08/13/24 01:30	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/13/24 01:30	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/13/24 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*08/13/24 01:30*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/13/24 01:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*08/13/24 01:30*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*08/13/24 01:30*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/14/24 17:06*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.39**		0.19	0.067	mg/L		08/08/24 11:53	08/15/24 18:38	1
Motor Oil Range Organics [C28-C40]	**0.10**		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*33 - 159*	*08/08/24 11:53*	*08/15/24 18:38*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: OW 8+10

Date Collected: 08/07/24 13:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/13/24 02:43	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/13/24 02:43	1
Toluene	ND		1.0	0.25	ug/L			08/13/24 02:43	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/13/24 02:43	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/13/24 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*08/13/24 02:43*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/13/24 02:43*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*08/13/24 02:43*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*08/13/24 02:43*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/14/24 17:30*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.35**		0.19	0.067	mg/L		08/08/24 11:53	08/15/24 19:02	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*86*		*33 - 159*	*08/08/24 11:53*	*08/15/24 19:02*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: OW 22+00
Date Collected: 08/07/24 14:15
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/13/24 03:08	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/13/24 03:08	1
Toluene	ND		1.0	0.25	ug/L			08/13/24 03:08	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/13/24 03:08	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/13/24 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*08/13/24 03:08*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*08/13/24 03:08*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*08/13/24 03:08*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*08/13/24 03:08*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 270*		*08/14/24 17:53*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.12**	**J**	0.19	0.067	mg/L		08/08/24 11:53	08/15/24 19:26	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*80*		*33 - 159*	*08/08/24 11:53*	*08/15/24 19:26*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-4
Date Collected: 08/07/24 14:50
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/13/24 03:32	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/13/24 03:32	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/13/24 03:32	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/13/24 03:32	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/13/24 03:32	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/13/24 03:32	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/13/24 03:32	1
1,2,3-Trichlorobenzene	**0.37**	**J**	1.0	0.25	ug/L			08/13/24 03:32	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/13/24 03:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/13/24 03:32	1
1,2,4-Trimethylbenzene	**1700**		100	12	ug/L			08/13/24 15:48	100
1,2-Dibromo-3-Chloropropane	**11**		2.0	0.59	ug/L			08/13/24 03:32	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/13/24 03:32	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/13/24 03:32	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/13/24 03:32	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/13/24 03:32	1
1,3,5-Trimethylbenzene	**380**		10	1.8	ug/L			08/13/24 16:12	10
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/13/24 03:32	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/13/24 03:32	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/13/24 03:32	1
1-Methylnaphthalene	**89**		4.0	2.0	ug/L			08/13/24 03:32	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/13/24 03:32	1
2-Butanone	**3.4**	**J**	10	2.0	ug/L			08/13/24 03:32	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 03:32	1
2-Hexanone	ND		10	1.8	ug/L			08/13/24 03:32	1
2-Methylnaphthalene	**360**		40	20	ug/L			08/13/24 16:12	10
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 03:32	1
4-Isopropyltoluene	**40**		1.0	0.20	ug/L			08/13/24 03:32	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/13/24 03:32	1
Acetone	**14**		10	2.5	ug/L			08/13/24 03:32	1
Benzene	**98**		1.0	0.23	ug/L			08/13/24 03:32	1
Bromobenzene	ND		1.0	0.28	ug/L			08/13/24 03:32	1
Bromodichloromethane	**0.49**	**J**	1.0	0.20	ug/L			08/13/24 03:32	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/13/24 03:32	1
Bromoform	ND		1.0	0.31	ug/L			08/13/24 03:32	1
Bromomethane	ND		3.0	1.0	ug/L			08/13/24 03:32	1
Carbon disulfide	ND		10	1.0	ug/L			08/13/24 03:32	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/13/24 03:32	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/13/24 03:32	1
Chloroethane	ND		2.0	0.38	ug/L			08/13/24 03:32	1
Chloroform	ND		1.0	0.25	ug/L			08/13/24 03:32	1
Chloromethane	ND		3.0	0.41	ug/L			08/13/24 03:32	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/13/24 03:32	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/13/24 03:32	1
Dibromomethane	ND		1.0	0.31	ug/L			08/13/24 03:32	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/13/24 03:32	1
Ethylbenzene	**220**		10	2.1	ug/L			08/13/24 16:12	10
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/13/24 03:32	1
Isopropylbenzene	**81**		1.0	0.18	ug/L			08/13/24 03:32	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-4
Date Collected: 08/07/24 14:50
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**1.5**		1.0	0.39	ug/L			08/13/24 03:32	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/13/24 03:32	1
n-Butylbenzene	**34**		3.0	0.13	ug/L			08/13/24 03:32	1
N-Propylbenzene	**89**		10	1.1	ug/L			08/13/24 16:12	10
Naphthalene	**610**		20	2.4	ug/L			08/13/24 16:12	10
sec-Butylbenzene	**35**		1.0	0.14	ug/L			08/13/24 03:32	1
Styrene	**0.45**	**J**	1.0	0.14	ug/L			08/13/24 03:32	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/13/24 03:32	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/13/24 03:32	1
Toluene	**4.4**		1.0	0.25	ug/L			08/13/24 03:32	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/13/24 03:32	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/13/24 03:32	1
Trichloroethene (TCE)	**0.23**	**J**	1.0	0.20	ug/L			08/13/24 03:32	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/13/24 03:32	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/13/24 03:32	1
Xylenes, Total	**820**		15	3.7	ug/L			08/13/24 16:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*08/13/24 03:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*08/13/24 16:12*	*10*
Toluene-d8 (Surr)	*123*		*70 - 130*		*08/13/24 03:32*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/13/24 16:12*	*10*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*		*08/13/24 03:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*08/13/24 16:12*	*10*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*08/13/24 03:32*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*08/13/24 16:12*	*10*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**15**		0.50	0.13	mg/L			08/14/24 18:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*359*	*S1+*	*15 - 270*		*08/14/24 18:17*	*10*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		11	3.8	mg/L		08/08/24 11:53	08/21/24 12:03	50
Motor Oil Range Organics [C28-C40]	ND	D	5.4	4.0	mg/L		08/08/24 11:53	08/21/24 12:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*33 - 159*	*08/08/24 11:53*	*08/21/24 12:03*	*50*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**4.9**		1.0	0.50	mg/L			08/08/24 16:35	10
Nitrate	ND		1.0	0.20	mg/L			08/08/24 16:35	10
Chloride	**240**		50	25	mg/L			08/08/24 16:47	100
Nitrite	ND		1.0	0.12	mg/L			08/08/24 16:35	10
Fluoride	ND		1.0	0.46	mg/L			08/08/24 16:35	10
Orthophosphate as P	ND		5.0	2.5	mg/L			08/08/24 16:35	10

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-4
Date Collected: 08/07/24 14:50
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-9
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	2.5	mg/L			08/08/24 16:35	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.030**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:21	5
Barium	**2.3**		0.10	0.050	mg/L		08/14/24 13:52	08/26/24 14:34	100
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:21	5
Chromium	**0.084**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:21	5
Lead	ND		0.020	0.012	mg/L		08/14/24 13:52	08/27/24 15:20	20
Selenium	ND		0.0050	0.0040	mg/L		08/14/24 13:52	08/23/24 12:21	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 11:53	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:26	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: Trip Blank
Date Collected: 08/07/24 00:00
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-10
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/13/24 17:02	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/13/24 17:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/13/24 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/13/24 17:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/13/24 17:02	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/13/24 17:02	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/13/24 17:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/13/24 17:02	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/13/24 17:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/13/24 17:02	1
1,2,4-Trimethylbenzene	**0.58**	**J**	1.0	0.12	ug/L			08/13/24 17:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/13/24 17:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/13/24 17:02	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/13/24 17:02	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/13/24 17:02	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/13/24 17:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/13/24 17:02	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/13/24 17:02	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/13/24 17:02	1
1,4-Dichlorobenzene	**0.55**	**J**	1.0	0.10	ug/L			08/13/24 17:02	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 17:02	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/13/24 17:02	1
2-Butanone	ND		10	2.0	ug/L			08/13/24 17:02	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 17:02	1
2-Hexanone	ND		10	1.8	ug/L			08/13/24 17:02	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 17:02	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 17:02	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/13/24 17:02	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/13/24 17:02	1
Acetone	**6.4**	**J**	10	2.5	ug/L			08/13/24 17:02	1
Benzene	ND		1.0	0.23	ug/L			08/13/24 17:02	1
Bromobenzene	ND		1.0	0.28	ug/L			08/13/24 17:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/13/24 17:02	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/13/24 17:02	1
Bromoform	ND		1.0	0.31	ug/L			08/13/24 17:02	1
Bromomethane	ND		3.0	1.0	ug/L			08/13/24 17:02	1
Carbon disulfide	ND		10	1.0	ug/L			08/13/24 17:02	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/13/24 17:02	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/13/24 17:02	1
Chloroethane	ND		2.0	0.38	ug/L			08/13/24 17:02	1
Chloroform	ND		1.0	0.25	ug/L			08/13/24 17:02	1
Chloromethane	ND		3.0	0.41	ug/L			08/13/24 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/13/24 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/13/24 17:02	1
Dibromomethane	ND		1.0	0.31	ug/L			08/13/24 17:02	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/13/24 17:02	1
Ethylbenzene	**0.49**	**J**	1.0	0.21	ug/L			08/13/24 17:02	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/13/24 17:02	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/13/24 17:02	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: Trip Blank

Date Collected: 08/07/24 00:00
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/13/24 17:02	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/13/24 17:02	1
n-Butylbenzene	**0.13**	**J**	3.0	0.13	ug/L			08/13/24 17:02	1
N-Propylbenzene	**0.13**	**J**	1.0	0.11	ug/L			08/13/24 17:02	1
Naphthalene	**0.24**	**J**	2.0	0.24	ug/L			08/13/24 17:02	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/13/24 17:02	1
Styrene	ND		1.0	0.14	ug/L			08/13/24 17:02	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/13/24 17:02	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/13/24 17:02	1
Toluene	**1.7**		1.0	0.25	ug/L			08/13/24 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/13/24 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/13/24 17:02	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/13/24 17:02	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/13/24 17:02	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/13/24 17:02	1
Xylenes, Total	**1.7**		1.5	0.37	ug/L			08/13/24 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*08/13/24 17:02*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/13/24 17:02*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*08/13/24 17:02*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*08/13/24 17:02*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10078/34
Matrix: Water
Analysis Batch: 10078

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/13/24 01:06	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/13/24 01:06	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/13/24 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/13/24 01:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/13/24 01:06	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/13/24 01:06	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/13/24 01:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/13/24 01:06	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/13/24 01:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/13/24 01:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/13/24 01:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/13/24 01:06	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/13/24 01:06	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/13/24 01:06	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/13/24 01:06	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/13/24 01:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/13/24 01:06	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/13/24 01:06	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/13/24 01:06	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/13/24 01:06	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 01:06	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/13/24 01:06	1
2-Butanone	ND		10	2.0	ug/L			08/13/24 01:06	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 01:06	1
2-Hexanone	ND		10	1.8	ug/L			08/13/24 01:06	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 01:06	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 01:06	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/13/24 01:06	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/13/24 01:06	1
Acetone	ND		10	2.5	ug/L			08/13/24 01:06	1
Benzene	ND		1.0	0.23	ug/L			08/13/24 01:06	1
Bromobenzene	ND		1.0	0.28	ug/L			08/13/24 01:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/13/24 01:06	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/13/24 01:06	1
Bromoform	ND		1.0	0.31	ug/L			08/13/24 01:06	1
Bromomethane	ND		3.0	1.0	ug/L			08/13/24 01:06	1
Carbon disulfide	ND		10	1.0	ug/L			08/13/24 01:06	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/13/24 01:06	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/13/24 01:06	1
Chloroethane	ND		2.0	0.38	ug/L			08/13/24 01:06	1
Chloroform	ND		1.0	0.25	ug/L			08/13/24 01:06	1
Chloromethane	ND		3.0	0.41	ug/L			08/13/24 01:06	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/13/24 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/13/24 01:06	1
Dibromomethane	ND		1.0	0.31	ug/L			08/13/24 01:06	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/13/24 01:06	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/13/24 01:06	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/13/24 01:06	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: MB 885-10078/34
Matrix: Water
Analysis Batch: 10078

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			08/13/24 01:06	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/13/24 01:06	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/13/24 01:06	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/13/24 01:06	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/13/24 01:06	1
Naphthalene	ND		2.0	0.24	ug/L			08/13/24 01:06	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/13/24 01:06	1
Styrene	ND		1.0	0.14	ug/L			08/13/24 01:06	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/13/24 01:06	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/13/24 01:06	1
Toluene	ND		1.0	0.25	ug/L			08/13/24 01:06	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/13/24 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/13/24 01:06	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/13/24 01:06	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/13/24 01:06	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/13/24 01:06	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/13/24 01:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*08/13/24 01:06*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/13/24 01:06*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*08/13/24 01:06*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*08/13/24 01:06*	*1*

Lab Sample ID: MB 885-10078/4
Matrix: Water
Analysis Batch: 10078

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/12/24 12:51	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/12/24 12:51	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/12/24 12:51	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/12/24 12:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/12/24 12:51	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/12/24 12:51	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/12/24 12:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/12/24 12:51	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/12/24 12:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/12/24 12:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/12/24 12:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/12/24 12:51	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/12/24 12:51	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/12/24 12:51	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/12/24 12:51	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/12/24 12:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/12/24 12:51	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/12/24 12:51	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/12/24 12:51	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: MB 885-10078/4
Matrix: Water
Analysis Batch: 10078

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/12/24 12:51	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 12:51	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/12/24 12:51	1
2-Butanone	ND		10	2.0	ug/L			08/12/24 12:51	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 12:51	1
2-Hexanone	ND		10	1.8	ug/L			08/12/24 12:51	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/12/24 12:51	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/12/24 12:51	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/12/24 12:51	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/12/24 12:51	1
Acetone	10.9		10	2.5	ug/L			08/12/24 12:51	1
Benzene	ND		1.0	0.23	ug/L			08/12/24 12:51	1
Bromobenzene	ND		1.0	0.28	ug/L			08/12/24 12:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/12/24 12:51	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/12/24 12:51	1
Bromoform	ND		1.0	0.31	ug/L			08/12/24 12:51	1
Bromomethane	ND		3.0	1.0	ug/L			08/12/24 12:51	1
Carbon disulfide	ND		10	1.0	ug/L			08/12/24 12:51	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/12/24 12:51	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/12/24 12:51	1
Chloroethane	ND		2.0	0.38	ug/L			08/12/24 12:51	1
Chloroform	ND		1.0	0.25	ug/L			08/12/24 12:51	1
Chloromethane	ND		3.0	0.41	ug/L			08/12/24 12:51	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/12/24 12:51	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/12/24 12:51	1
Dibromomethane	ND		1.0	0.31	ug/L			08/12/24 12:51	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/12/24 12:51	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/12/24 12:51	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/12/24 12:51	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/12/24 12:51	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/12/24 12:51	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/12/24 12:51	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/12/24 12:51	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/12/24 12:51	1
Naphthalene	ND		2.0	0.24	ug/L			08/12/24 12:51	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/12/24 12:51	1
Styrene	ND		1.0	0.14	ug/L			08/12/24 12:51	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/12/24 12:51	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/12/24 12:51	1
Toluene	ND		1.0	0.25	ug/L			08/12/24 12:51	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/12/24 12:51	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/12/24 12:51	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/12/24 12:51	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/12/24 12:51	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/12/24 12:51	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/12/24 12:51	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: MB 885-10078/4
Matrix: Water
Analysis Batch: 10078

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/12/24 12:51*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/12/24 12:51*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*08/12/24 12:51*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*08/12/24 12:51*	*1*

Lab Sample ID: STOBLK 885-10078/49
Matrix: Water
Analysis Batch: 10078

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

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/13/24 07:36	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/13/24 07:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/13/24 07:36	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/13/24 07:36	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/13/24 07:36	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/13/24 07:36	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/13/24 07:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/13/24 07:36	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/13/24 07:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/13/24 07:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/13/24 07:36	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/13/24 07:36	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/13/24 07:36	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/13/24 07:36	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/13/24 07:36	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/13/24 07:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/13/24 07:36	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/13/24 07:36	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/13/24 07:36	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/13/24 07:36	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 07:36	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/13/24 07:36	1
2-Butanone	ND		10	2.0	ug/L			08/13/24 07:36	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 07:36	1
2-Hexanone	ND		10	1.8	ug/L			08/13/24 07:36	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 07:36	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 07:36	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/13/24 07:36	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/13/24 07:36	1
Acetone	ND		10	2.5	ug/L			08/13/24 07:36	1
Benzene	ND		1.0	0.23	ug/L			08/13/24 07:36	1
Bromobenzene	ND		1.0	0.28	ug/L			08/13/24 07:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/13/24 07:36	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/13/24 07:36	1
Bromoform	ND		1.0	0.31	ug/L			08/13/24 07:36	1
Bromomethane	ND		3.0	1.0	ug/L			08/13/24 07:36	1
Carbon disulfide	ND		10	1.0	ug/L			08/13/24 07:36	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/13/24 07:36	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: STOBLK 885-10078/49
Matrix: Water
Analysis Batch: 10078

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

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.46	ug/L			08/13/24 07:36	1
Chloroethane	ND		2.0	0.38	ug/L			08/13/24 07:36	1
Chloroform	ND		1.0	0.25	ug/L			08/13/24 07:36	1
Chloromethane	ND		3.0	0.41	ug/L			08/13/24 07:36	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/13/24 07:36	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/13/24 07:36	1
Dibromomethane	ND		1.0	0.31	ug/L			08/13/24 07:36	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/13/24 07:36	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/13/24 07:36	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/13/24 07:36	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/13/24 07:36	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/13/24 07:36	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/13/24 07:36	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/13/24 07:36	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/13/24 07:36	1
Naphthalene	ND		2.0	0.24	ug/L			08/13/24 07:36	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/13/24 07:36	1
Styrene	ND		1.0	0.14	ug/L			08/13/24 07:36	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/13/24 07:36	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/13/24 07:36	1
Toluene	ND		1.0	0.25	ug/L			08/13/24 07:36	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/13/24 07:36	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/13/24 07:36	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/13/24 07:36	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/13/24 07:36	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/13/24 07:36	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/13/24 07:36	1

Surrogate	*STOBLK %Recovery*	*STOBLK Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*08/13/24 07:36*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/13/24 07:36*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*08/13/24 07:36*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*08/13/24 07:36*	*1*

Lab Sample ID: LCS 885-10078/3
Matrix: Water
Analysis Batch: 10078

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.1		ug/L		100	70 - 130
Benzene	20.1	22.0		ug/L		110	70 - 130
Chlorobenzene	20.1	21.0		ug/L		105	70 - 130
Toluene	20.2	20.8		ug/L		103	70 - 130
Trichloroethene (TCE)	20.2	20.9		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: LCS 885-10078/3
Matrix: Water
Analysis Batch: 10078

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130

Lab Sample ID: LCS 885-10078/33
Matrix: Water
Analysis Batch: 10078

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			20.1	20.8		ug/L		103	70 - 130		
Benzene			20.1	22.4		ug/L		111	70 - 130		
Chlorobenzene			20.1	20.3		ug/L		101	70 - 130		
Toluene			20.2	20.5		ug/L		102	70 - 130		
Trichloroethene (TCE)			20.2	21.4		ug/L		106	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		70 - 130
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Lab Sample ID: 885-9427-6 MS
Matrix: Water
Analysis Batch: 10078

Client Sample ID: OW 23+10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene	ND		20.1	20.6		ug/L		102	70 - 130		
Benzene	ND		20.1	22.3		ug/L		111	70 - 130		
Chlorobenzene	ND		20.1	20.0		ug/L		100	70 - 130		
Toluene	ND		20.2	20.1		ug/L		100	70 - 130		
Trichloroethene (TCE)	ND		20.2	21.4		ug/L		106	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		70 - 130
Toluene-d8 (Surr)	95		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130

Lab Sample ID: 885-9427-6 MSD
Matrix: Water
Analysis Batch: 10078

Client Sample ID: OW 23+10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.1	19.6		ug/L		97	70 - 130	5	20
Benzene	ND		20.1	21.5		ug/L		107	70 - 130	4	20
Chlorobenzene	ND		20.1	19.5		ug/L		97	70 - 130	2	20
Toluene	ND		20.2	19.4		ug/L		96	70 - 130	3	20
Trichloroethene (TCE)	ND		20.2	20.3		ug/L		101	70 - 130	5	20

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: 885-9427-6 MSD
Matrix: Water
Analysis Batch: 10078

Client Sample ID: OW 23+10
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
Dibromofluoromethane (Surr)	*108*		*70 - 130*

Lab Sample ID: MB 885-10182/4
Matrix: Water
Analysis Batch: 10182

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/13/24 14:58	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/13/24 14:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/13/24 14:58	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/13/24 14:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/13/24 14:58	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/13/24 14:58	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/13/24 14:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/13/24 14:58	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/13/24 14:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/13/24 14:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/13/24 14:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/13/24 14:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/13/24 14:58	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/13/24 14:58	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/13/24 14:58	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/13/24 14:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/13/24 14:58	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/13/24 14:58	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/13/24 14:58	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/13/24 14:58	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 14:58	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/13/24 14:58	1
2-Butanone	ND		10	2.0	ug/L			08/13/24 14:58	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 14:58	1
2-Hexanone	ND		10	1.8	ug/L			08/13/24 14:58	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/13/24 14:58	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/13/24 14:58	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/13/24 14:58	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/13/24 14:58	1
Acetone	ND		10	2.5	ug/L			08/13/24 14:58	1
Benzene	ND		1.0	0.23	ug/L			08/13/24 14:58	1
Bromobenzene	ND		1.0	0.28	ug/L			08/13/24 14:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/13/24 14:58	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/13/24 14:58	1
Bromoform	ND		1.0	0.31	ug/L			08/13/24 14:58	1
Bromomethane	ND		3.0	1.0	ug/L			08/13/24 14:58	1
Carbon disulfide	ND		10	1.0	ug/L			08/13/24 14:58	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/13/24 14:58	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: MB 885-10182/4
Matrix: Water
Analysis Batch: 10182

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.46	ug/L			08/13/24 14:58	1
Chloroethane	ND		2.0	0.38	ug/L			08/13/24 14:58	1
Chloroform	ND		1.0	0.25	ug/L			08/13/24 14:58	1
Chloromethane	ND		3.0	0.41	ug/L			08/13/24 14:58	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/13/24 14:58	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/13/24 14:58	1
Dibromomethane	ND		1.0	0.31	ug/L			08/13/24 14:58	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/13/24 14:58	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/13/24 14:58	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/13/24 14:58	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/13/24 14:58	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/13/24 14:58	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/13/24 14:58	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/13/24 14:58	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/13/24 14:58	1
Naphthalene	ND		2.0	0.24	ug/L			08/13/24 14:58	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/13/24 14:58	1
Styrene	ND		1.0	0.14	ug/L			08/13/24 14:58	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/13/24 14:58	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/13/24 14:58	1
Toluene	ND		1.0	0.25	ug/L			08/13/24 14:58	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/13/24 14:58	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/13/24 14:58	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/13/24 14:58	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/13/24 14:58	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/13/24 14:58	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/13/24 14:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*08/13/24 14:58*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/13/24 14:58*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*08/13/24 14:58*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*08/13/24 14:58*	*1*

Lab Sample ID: LCS 885-10182/3
Matrix: Water
Analysis Batch: 10182

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.9		ug/L		99	70 - 130
Benzene	20.1	21.3		ug/L		106	70 - 130
Chlorobenzene	20.1	19.9		ug/L		99	70 - 130
Toluene	20.2	19.8		ug/L		98	70 - 130
Trichloroethene (TCE)	20.2	20.2		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: LCS 885-10182/3
Matrix: Water
Analysis Batch: 10182

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10148/1-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,3-Dichlorobenzene	ND		12	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,4-Dichlorobenzene	ND		12	10	ug/L		08/13/24 07:08	08/26/24 17:09	1
1-Methylnaphthalene	ND		10	8.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dinitrophenol	ND		30	27	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Chloronaphthalene	ND		10	8.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Chlorophenol	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Methylphenol	ND		10	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Nitroaniline	ND		10	5.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Nitrophenol	ND		10	4.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
3-Nitroaniline	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chloroaniline	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Nitroaniline	ND		5.0	4.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Nitrophenol	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Acenaphthene	ND		10	7.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Acenaphthylene	ND		5.0	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Aniline	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Anthracene	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Azobenzene	ND		10	3.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[a]anthracene	ND		10	6.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzoic acid	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-10148/1-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	ND		5.0	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		08/13/24 07:08	08/26/24 17:09	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
Carbazole	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Chrysene	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dibenzofuran	ND		10	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Diethyl phthalate	ND		10	5.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dimethyl phthalate	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Fluoranthene	ND		10	5.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
Fluorene	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorobenzene	ND		20	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorobutadiene	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachloroethane	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Isophorone	ND		5.0	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
Naphthalene	ND		5.0	3.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Nitrobenzene	ND		5.0	3.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pentachlorophenol	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
Phenanthrene	ND		5.0	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Phenol	ND		10	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pyrene	ND		10	5.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pyridine	ND		20	2.6	ug/L		08/13/24 07:08	08/26/24 17:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*19*		*15 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
2-Fluorophenol (Surr)	*25*		*15 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
2,4,6-Tribromophenol (Surr)	*35*		*15 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
Nitrobenzene-d5 (Surr)	*31*		*29 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
2-Fluorobiphenyl (Surr)	*27*		*20 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
p-Terphenyl-d14 (Surr)	*40*	*S1-*	*41 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*

Lab Sample ID: LCS 885-10148/2-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	28.5		ug/L		28	22 - 130
1,4-Dichlorobenzene	100	26.3		ug/L		26	22 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 885-10148/2-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10148

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dinitrotoluene			100	26.6	*-	ug/L		27	38 - 130		
2-Chlorophenol			200	86.3		ug/L		43	38 - 130		
4-Chloro-3-methylphenol			200	77.3	*-	ug/L		39	42 - 130		
4-Nitrophenol			200	39.1		ug/L		20	16 - 130		
Acenaphthene			100	33.5	*-	ug/L		33	39 - 130		
N-Nitrosodi-n-propylamine			100	38.5		ug/L		38	38 - 130		
Pentachlorophenol			200	66.7		ug/L		33	15 - 130		
Phenol			200	49.0	*-	ug/L		25	27 - 130		
Pyrene			100	36.8	*-	ug/L		37	65 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*25*		*15 - 130*
2-Fluorophenol (Surr)	*33*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*41*		*15 - 130*
Nitrobenzene-d5 (Surr)	*42*		*29 - 130*
2-Fluorobiphenyl (Surr)	*37*		*20 - 130*
p-Terphenyl-d14 (Surr)	*41*		*41 - 130*

Lab Sample ID: LCSD 885-10148/3-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10148

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			100	33.8		ug/L		34	22 - 130	17	42
1,4-Dichlorobenzene			100	31.2		ug/L		31	22 - 130	17	44
2,4-Dinitrotoluene			100	34.3	*-	ug/L		34	38 - 130	25	39
2-Chlorophenol			200	101		ug/L		50	38 - 130	15	65
4-Chloro-3-methylphenol			200	96.3		ug/L		48	42 - 130	22	48
4-Nitrophenol			200	51.8		ug/L		26	16 - 130	28	55
Acenaphthene			100	40.2		ug/L		40	39 - 130	18	45
N-Nitrosodi-n-propylamine			100	47.0		ug/L		47	38 - 130	20	44
Pentachlorophenol			200	81.4		ug/L		41	15 - 130	20	55
Phenol			200	59.1		ug/L		30	27 - 130	19	49
Pyrene			100	48.9	*- *1	ug/L		49	65 - 130	28	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*31*		*15 - 130*
2-Fluorophenol (Surr)	*41*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*52*		*15 - 130*
Nitrobenzene-d5 (Surr)	*50*		*29 - 130*
2-Fluorobiphenyl (Surr)	*40*		*20 - 130*
p-Terphenyl-d14 (Surr)	*58*		*41 - 130*

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10322/21
Matrix: Water
Analysis Batch: 10322

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 14:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/14/24 14:12*	*1*

Lab Sample ID: LCS 885-10322/23
Matrix: Water
Analysis Batch: 10322

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.512		mg/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*210*		*15 - 270*

Lab Sample ID: 885-9427-1 MS
Matrix: Water
Analysis Batch: 10322

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		0.500	0.460		mg/L		92	41 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*196*		*15 - 270*

Lab Sample ID: 885-9427-1 MSD
Matrix: Water
Analysis Batch: 10322

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		0.500	0.470		mg/L		94	41 - 148	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*200*		*15 - 270*

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-9948/1-A
Matrix: Water
Analysis Batch: 10333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/08/24 11:53	08/15/24 15:02	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/08/24 11:53	08/15/24 15:02	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: MB 885-9948/1-A
Matrix: Water
Analysis Batch: 10333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9948

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		33 - 159	08/08/24 11:53	08/15/24 15:02	1

Lab Sample ID: LCS 885-9948/2-A
Matrix: Water
Analysis Batch: 10333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9948

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	0.155	J	mg/L		83	33 - 149		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	95		33 - 159

Lab Sample ID: LCSD 885-9948/3-A
Matrix: Water
Analysis Batch: 10333

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 9948

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	0.152	J	mg/L		81	33 - 149	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	93		33 - 159

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10015/44
Matrix: Water
Analysis Batch: 10015

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			08/08/24 07:43	1
Nitrite	ND		0.10	0.012	mg/L			08/08/24 07:43	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/08/24 07:43	1

Lab Sample ID: LCS 885-10015/53
Matrix: Water
Analysis Batch: 10015

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			2.50	2.49		mg/L		99	90 - 110		
Nitrite			1.00	0.938		mg/L		94	90 - 110		
Orthophosphate as P			5.00	4.75		mg/L		95	90 - 110		

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-10015/33
Matrix: Water
Analysis Batch: 10015

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.0905	J	mg/L		91	50 - 150
Nitrite	0.0999	0.0899	J	mg/L		90	50 - 150
Orthophosphate as P	0.500	0.538		mg/L		108	50 - 150

Lab Sample ID: MB 885-10158/10
Matrix: Water
Analysis Batch: 10158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			08/12/24 09:56	1
Chloride	ND		0.50		mg/L			08/12/24 09:56	1
Fluoride	ND		0.10		mg/L			08/12/24 09:56	1
Sulfate	ND		0.50		mg/L			08/12/24 09:56	1

Lab Sample ID: MB 885-10158/57
Matrix: Water
Analysis Batch: 10158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			08/12/24 21:43	1
Chloride	ND		0.50		mg/L			08/12/24 21:43	1
Fluoride	ND		0.10		mg/L			08/12/24 21:43	1
Sulfate	ND		0.50		mg/L			08/12/24 21:43	1

Lab Sample ID: LCS 885-10158/58
Matrix: Water
Analysis Batch: 10158

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.35		mg/L		94	90 - 110
Chloride	5.00	4.67		mg/L		93	90 - 110
Fluoride	0.500	0.524		mg/L		105	90 - 110
Sulfate	10.0	9.50		mg/L		95	90 - 110

Lab Sample ID: MRL 885-10158/18
Matrix: Water
Analysis Batch: 10158

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.104		mg/L		104	50 - 150
Chloride	0.500	0.520		mg/L		104	50 - 150
Fluoride	0.100	0.0938	J	mg/L		94	50 - 150
Sulfate	0.500	0.527		mg/L		105	50 - 150

Lab Sample ID: MB 885-9983/44
Matrix: Water
Analysis Batch: 9983

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/08/24 07:43	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-9983/44
Matrix: Water
Analysis Batch: 9983

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.25	mg/L			08/08/24 07:43	1
Fluoride	ND		0.10	0.046	mg/L			08/08/24 07:43	1
Sulfate	ND		0.50	0.25	mg/L			08/08/24 07:43	1

Lab Sample ID: LCS 885-9983/53
Matrix: Water
Analysis Batch: 9983

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.35		mg/L		94	90 - 110
Chloride	5.00	4.71		mg/L		94	90 - 110
Fluoride	0.500	0.506		mg/L		101	90 - 110
Sulfate	10.0	9.23		mg/L		92	90 - 110

Lab Sample ID: MRL 885-9983/33
Matrix: Water
Analysis Batch: 9983

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.106		mg/L		106	50 - 150
Chloride	0.500	0.511		mg/L		102	50 - 150
Fluoride	0.100	0.106		mg/L		106	50 - 150
Sulfate	0.500	0.510		mg/L		102	50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-10356/27
Matrix: Water
Analysis Batch: 10356

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			08/15/24 08:23	1
Iron	ND		0.020	0.017	mg/L			08/15/24 08:23	1
Magnesium	ND		1.0	0.098	mg/L			08/15/24 08:23	1
Manganese	ND		0.0020	0.00032	mg/L			08/15/24 08:23	1
Potassium	ND		1.0	0.13	mg/L			08/15/24 08:23	1
Sodium	ND		1.0	0.30	mg/L			08/15/24 08:23	1
Zinc	ND		0.020	0.0049	mg/L			08/15/24 08:23	1

Lab Sample ID: LCS 885-10356/29
Matrix: Water
Analysis Batch: 10356

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	51.7		mg/L		103	80 - 120
Iron	0.500	0.500		mg/L		100	80 - 120
Magnesium	50.0	52.2		mg/L		104	80 - 120
Manganese	0.500	0.464		mg/L		93	80 - 120
Potassium	50.0	50.7		mg/L		101	80 - 120
Sodium	50.0	49.6		mg/L		99	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

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

Lab Sample ID: LCS 885-10356/29
Matrix: Water
Analysis Batch: 10356

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.500	0.480		mg/L		96	80 - 120

Lab Sample ID: MRL 885-10356/24
Matrix: Water
Analysis Batch: 10356

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.529	J	mg/L		106	50 - 150
Iron	0.0200	ND		mg/L		96	50 - 150
Magnesium	0.500	0.553	J	mg/L		111	50 - 150
Manganese	0.00200	0.00198	J	mg/L		99	50 - 150
Potassium	0.500	0.510	J	mg/L		102	50 - 150
Sodium	0.500	ND		mg/L		67	50 - 150
Zinc	0.0100	0.0138	J	mg/L		138	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-10851/9
Matrix: Water
Analysis Batch: 10851

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.00100	0.00108		mg/L		108	70 - 130

Lab Sample ID: MRL 885-10939/9
Matrix: Water
Analysis Batch: 10939

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00110		mg/L		110	70 - 130
Barium	0.00100	0.00109		mg/L		109	70 - 130
Cadmium	0.00100	0.000936	J	mg/L		94	70 - 130
Chromium	0.00100	0.00105		mg/L		105	70 - 130
Lead	0.00100	0.00104		mg/L		104	70 - 130
Selenium	0.00100	0.00103		mg/L		103	70 - 130
Silver	0.00100	0.00107		mg/L		107	70 - 130

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00114		mg/L		114	70 - 130
Barium	0.00100	0.00110		mg/L		110	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.000979	J	mg/L		98	70 - 130
Lead	0.00100	0.000995	J	mg/L		100	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-11165/9
Matrix: Water
Analysis Batch: 11165

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000935	J	mg/L		94	70 - 130
Barium	0.00100	0.000997	J	mg/L		100	70 - 130
Cadmium	0.00100	0.00107		mg/L		107	70 - 130
Chromium	0.00100	0.00100		mg/L		100	70 - 130
Lead	0.00100	0.00112		mg/L		112	70 - 130
Selenium	0.00100	0.00115		mg/L		115	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130

Lab Sample ID: MB 885-11856/15
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 09:57	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1

Lab Sample ID: LCS 885-11856/25
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Copper	0.0500	0.0506		mg/L		101	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0482		mg/L		96	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120
Uranium	0.0500	0.0530		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0496		mg/L		99	80 - 120	0	20
Barium	0.0500	0.0520		mg/L		104	80 - 120	1	20
Cadmium	0.0500	0.0509		mg/L		102	80 - 120	0	20
Chromium	0.0500	0.0493		mg/L		99	80 - 120	0	20
Copper	0.0500	0.0509		mg/L		102	80 - 120	1	20
Lead	0.0500	0.0524		mg/L		105	80 - 120	0	20

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	0.0500	0.0501		mg/L		100	80 - 120	1	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Uranium	0.0500	0.0525		mg/L		105	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000999	J	mg/L		100	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000858	J	mg/L		86	70 - 130
Chromium	0.00100	0.00107		mg/L		107	70 - 130
Copper	0.00100	0.00101		mg/L		101	70 - 130
Lead	0.00100	0.00113		mg/L		113	70 - 130
Selenium	0.00100	0.00118		mg/L		118	70 - 130
Silver	0.00100	0.00125		mg/L		125	70 - 130
Uranium	0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10427

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Lead	ND		0.0050	0.0030	mg/L		08/14/24 13:51	08/15/24 18:00	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10672

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/20/24 13:07	5
Selenium	ND		0.0050	0.0040	mg/L		08/14/24 13:51	08/20/24 13:07	5

Lab Sample ID: LCS 885-10281/3-A
Matrix: Water
Analysis Batch: 10427

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0542		mg/L		108	80 - 120
Cadmium	0.0500	0.0476		mg/L		95	80 - 120
Chromium	0.0500	0.0483		mg/L		97	80 - 120
Lead	0.0500	0.0514		mg/L		103	80 - 120
Silver	0.0250	0.0244		mg/L		97	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-10281/3-A
Matrix: Water
Analysis Batch: 10672

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0550		mg/L		110	80 - 120
Selenium	0.0500	0.0501		mg/L		100	80 - 120

Lab Sample ID: MB 885-10332/1-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.25	mg/L		08/15/24 11:30	08/22/24 11:17	10

Lab Sample ID: LCS 885-10332/3-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	2.50	2.34		mg/L		94	80 - 120

Lab Sample ID: LLCS 885-10332/2-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	ND		mg/L		98	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-10176/9-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10176

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		66	50 - 150

Lab Sample ID: MRL 885-10176/9-A
Matrix: Water
Analysis Batch: 10352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10176

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		79	50 - 150

Lab Sample ID: MB 885-10181/1-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 14:07	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 885-10181/3-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00527		mg/L		105	85 - 115

Lab Sample ID: LLCS 885-10181/2-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10181

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		73	50 - 150

Lab Sample ID: MRL 885-10513/9-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10513

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000148	J	mg/L		98	50 - 150

Lab Sample ID: MB 885-10516/1-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:56	08/21/24 10:18	1

Lab Sample ID: LCS 885-10516/3-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00558		mg/L		112	85 - 115

Lab Sample ID: LLCS 885-10516/2-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000150	J	mg/L		100	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-10833/2
Matrix: Water
Analysis Batch: 10833

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/21/24 11:34	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/21/24 11:34	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/21/24 11:34	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 885-10833/3
Matrix: Water
Analysis Batch: 10833

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	77.5		mg/L		91	90 - 110

Lab Sample ID: MRL 885-10833/1
Matrix: Water
Analysis Batch: 10833

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	21.7		mg/L		102	50 - 150

Lab Sample ID: MB 885-11159/2
Matrix: Water
Analysis Batch: 11159

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/27/24 09:55	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/27/24 09:55	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/27/24 09:55	1

Lab Sample ID: MB 885-11159/25
Matrix: Water
Analysis Batch: 11159

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/27/24 16:04	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/27/24 16:04	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/27/24 16:04	1

Lab Sample ID: LCS 885-11159/26
Matrix: Water
Analysis Batch: 11159

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	81.8		mg/L		96	90 - 110

Lab Sample ID: LCS 885-11159/3
Matrix: Water
Analysis Batch: 11159

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	81.2		mg/L		96	90 - 110

Lab Sample ID: MRL 885-11159/1
Matrix: Water
Analysis Batch: 11159

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.9		mg/L		108	50 - 150

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 885-9427-1 DU
Matrix: Water
Analysis Batch: 11159

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	180	H		180		mg/L				0.2	20
Bicarbonate Alkalinity as CaCO3	180	H		180		mg/L				0.2	
Carbonate Alkalinity as CaCO3	ND	H		ND		mg/L				NC	

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-11162/25
Matrix: Water
Analysis Batch: 11162

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/27/24 16:04	1

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

GC/MS VOA

Analysis Batch: 10078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	8260B	
885-9427-2	MW-78	Total/NA	Water	8260B	
885-9427-3	MW-1	Total/NA	Water	8260B	
885-9427-4	OW 25+70	Total/NA	Water	8260B	
885-9427-5	OW 23+90	Total/NA	Water	8260B	
885-9427-6	OW 23+10	Total/NA	Water	8260B	
885-9427-7	OW 8+10	Total/NA	Water	8260B	
885-9427-8	OW 22+00	Total/NA	Water	8260B	
885-9427-9	MW-4	Total/NA	Water	8260B	
MB 885-10078/34	Method Blank	Total/NA	Water	8260B	
MB 885-10078/4	Method Blank	Total/NA	Water	8260B	
STOBLK 885-10078/49	Method Blank	Total/NA	Water	8260B	
LCS 885-10078/3	Lab Control Sample	Total/NA	Water	8260B	
LCS 885-10078/33	Lab Control Sample	Total/NA	Water	8260B	
885-9427-6 MS	OW 23+10	Total/NA	Water	8260B	
885-9427-6 MSD	OW 23+10	Total/NA	Water	8260B	

Analysis Batch: 10182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-9	MW-4	Total/NA	Water	8260B	
885-9427-9	MW-4	Total/NA	Water	8260B	
885-9427-10	Trip Blank	Total/NA	Water	8260B	
MB 885-10182/4	Method Blank	Total/NA	Water	8260B	
LCS 885-10182/3	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 10148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-2	MW-78	Total/NA	Water	3510C	
MB 885-10148/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10148/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10148/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 10960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-2	MW-78	Total/NA	Water	8270C	10148
MB 885-10148/1-A	Method Blank	Total/NA	Water	8270C	10148
LCS 885-10148/2-A	Lab Control Sample	Total/NA	Water	8270C	10148
LCSD 885-10148/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	10148

GC VOA

Analysis Batch: 10322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	8015M/D	
885-9427-2	MW-78	Total/NA	Water	8015M/D	
885-9427-3	MW-1	Total/NA	Water	8015M/D	
885-9427-4	OW 25+70	Total/NA	Water	8015M/D	
885-9427-5	OW 23+90	Total/NA	Water	8015M/D	
885-9427-6	OW 23+10	Total/NA	Water	8015M/D	
885-9427-7	OW 8+10	Total/NA	Water	8015M/D	

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

GC VOA (Continued)

Analysis Batch: 10322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-8	OW 22+00	Total/NA	Water	8015M/D	
885-9427-9	MW-4	Total/NA	Water	8015M/D	
MB 885-10322/21	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10322/23	Lab Control Sample	Total/NA	Water	8015M/D	
885-9427-1 MS	MW-08	Total/NA	Water	8015M/D	
885-9427-1 MSD	MW-08	Total/NA	Water	8015M/D	

GC Semi VOA

Prep Batch: 9948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	3510C	
885-9427-2	MW-78	Total/NA	Water	3510C	
885-9427-3	MW-1	Total/NA	Water	3510C	
885-9427-4	OW 25+70	Total/NA	Water	3510C	
885-9427-5	OW 23+90	Total/NA	Water	3510C	
885-9427-6	OW 23+10	Total/NA	Water	3510C	
885-9427-7	OW 8+10	Total/NA	Water	3510C	
885-9427-8	OW 22+00	Total/NA	Water	3510C	
885-9427-9	MW-4	Total/NA	Water	3510C	
MB 885-9948/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-9948/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-9948/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 10333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	8015M/D	9948
885-9427-2	MW-78	Total/NA	Water	8015M/D	9948
885-9427-3	MW-1	Total/NA	Water	8015M/D	9948
885-9427-4	OW 25+70	Total/NA	Water	8015M/D	9948
885-9427-5	OW 23+90	Total/NA	Water	8015M/D	9948
885-9427-6	OW 23+10	Total/NA	Water	8015M/D	9948
885-9427-7	OW 8+10	Total/NA	Water	8015M/D	9948
885-9427-8	OW 22+00	Total/NA	Water	8015M/D	9948
MB 885-9948/1-A	Method Blank	Total/NA	Water	8015M/D	9948
LCS 885-9948/2-A	Lab Control Sample	Total/NA	Water	8015M/D	9948
LCSD 885-9948/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	9948

Analysis Batch: 10666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-9	MW-4	Total/NA	Water	8015M/D	9948

HPLC/IC

Analysis Batch: 9983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	300.0	
885-9427-1	MW-08	Total/NA	Water	300.0	
885-9427-3	MW-1	Total/NA	Water	300.0	
885-9427-9	MW-4	Total/NA	Water	300.0	
885-9427-9	MW-4	Total/NA	Water	300.0	
MB 885-9983/44	Method Blank	Total/NA	Water	300.0	

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

HPLC/IC (Continued)

Analysis Batch: 9983 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-9983/53	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-9983/33	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	300.0	
885-9427-1	MW-08	Total/NA	Water	300.0	
885-9427-3	MW-1	Total/NA	Water	300.0	
885-9427-9	MW-4	Total/NA	Water	300.0	
MB 885-10015/44	Method Blank	Total/NA	Water	300.0	
LCS 885-10015/53	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10015/33	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	300.0	
MB 885-10158/10	Method Blank	Total/NA	Water	300.0	
MB 885-10158/57	Method Blank	Total/NA	Water	300.0	
LCS 885-10158/58	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10158/18	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 10176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Total/NA	Water	7470A	
885-9427-9	MW-4	Total/NA	Water	7470A	
MB 885-10181/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10181/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10181/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 10281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Total Recoverable	Water	3005A	
885-9427-9	MW-4	Total Recoverable	Water	3005A	
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 10332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10332/1-A	Method Blank	Total Recoverable	Water	3050B	
LCS 885-10332/3-A	Lab Control Sample	Total Recoverable	Water	3050B	
LLCS 885-10332/2-A	Lab Control Sample	Total Recoverable	Water	3050B	

Analysis Batch: 10351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Total/NA	Water	7470A	10181

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Metals (Continued)

Analysis Batch: 10351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-9	MW-4	Total/NA	Water	7470A	10181
MB 885-10181/1-A	Method Blank	Total/NA	Water	7470A	10181
LCS 885-10181/3-A	Lab Control Sample	Total/NA	Water	7470A	10181
LLCS 885-10181/2-A	Lab Control Sample	Total/NA	Water	7470A	10181
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	7470A	10176

Analysis Batch: 10352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	7470A	10176

Analysis Batch: 10356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Dissolved	Water	6010B	
885-9427-3	MW-1	Dissolved	Water	6010B	
MB 885-10356/27	Method Blank	Total/NA	Water	6010B	
LCS 885-10356/29	Lab Control Sample	Total/NA	Water	6010B	
MRL 885-10356/24	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 10427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	6020A	10281
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10281

Prep Batch: 10513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Dissolved	Water	7470A	
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 10672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	6020A	10281
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10281

Analysis Batch: 10795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Dissolved	Water	7470A	10516
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	10516
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	10516
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	10516
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	7470A	10513

Analysis Batch: 10851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Total Recoverable	Water	6020A	10281
885-9427-9	MW-4	Total Recoverable	Water	6020A	10281

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Metals (Continued)

Analysis Batch: 10851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10332/1-A	Method Blank	Total Recoverable	Water	6020A	10332
LCS 885-10332/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10332
LLCS 885-10332/2-A	Lab Control Sample	Total Recoverable	Water	6020A	10332
MRL 885-10851/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 10939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Total Recoverable	Water	6020A	10281
885-9427-9	MW-4	Total Recoverable	Water	6020A	10281
MRL 885-10939/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-9	MW-4	Total Recoverable	Water	6020A	10281
MRL 885-11095/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Total Recoverable	Water	6020A	10281
885-9427-9	MW-4	Total Recoverable	Water	6020A	10281
MRL 885-11165/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Dissolved	Water	6020A	
MB 885-11856/15	Method Blank	Total/NA	Water	6020A	
LCS 885-11856/25	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/26	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 10833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-1	MW-08	Total/NA	Water	SM 2320B	
885-9427-3	MW-1	Total/NA	Water	SM 2320B	
MB 885-10833/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-10833/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-10833/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 11159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-11159/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-11159/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11159/26	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-11159/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11159/1	Lab Control Sample	Total/NA	Water	SM 2320B	
885-9427-1 DU	MW-08	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

General Chemistry

Analysis Batch: 11162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9427-3	MW-1	Total/NA	Water	SM 4500 CO2 D	
MB 885-11162/25	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11162/26	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11162/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-08
Date Collected: 08/07/24 10:30
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/12/24 21:27
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 15:08
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 16:14
Total/NA	Analysis	300.0		1	9983	JT	EET ALB	08/08/24 15:45
Total/NA	Analysis	300.0		1	10015	JT	EET ALB	08/08/24 15:45
Total/NA	Analysis	300.0		20	9983	JT	EET ALB	08/08/24 15:58
Total/NA	Analysis	300.0		20	10015	JT	EET ALB	08/08/24 15:58
Total/NA	Analysis	300.0		50	10158	JT	EET ALB	08/13/24 06:09
Total/NA	Analysis	SM 2320B		1	10833	DL	EET ALB	08/21/24 16:30

Client Sample ID: MW-78
Date Collected: 08/07/24 11:10
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/12/24 21:51
Total/NA	Prep	3510C			10148	JM	EET ALB	08/13/24 07:08
Total/NA	Analysis	8270C		1	10960	MB	EET ALB	08/26/24 19:18
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 15:32
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 16:37

Client Sample ID: MW-1
Date Collected: 08/07/24 11:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/12/24 22:15
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 15:56
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 17:01
Total/NA	Analysis	300.0		10	9983	JT	EET ALB	08/08/24 16:10
Total/NA	Analysis	300.0		10	10015	JT	EET ALB	08/08/24 16:10
Dissolved	Analysis	6010B		1	10356	VP	EET ALB	08/15/24 10:11
Dissolved	Analysis	6010B		5	10356	VP	EET ALB	08/15/24 10:13
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:19
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 11:43
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 12:16
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		20	11165	BV	EET ALB	08/27/24 15:16

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: MW-1
Date Collected: 08/07/24 11:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 11:46
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:24
Total/NA	Analysis	SM 2320B		1	10833	DL	EET ALB	08/21/24 16:41
Total/NA	Analysis	SM 4500 CO2 D		1	11162	DL	EET ALB	08/27/24 16:39

Client Sample ID: OW 25+70
Date Collected: 08/07/24 12:25
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/12/24 22:40
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 16:19
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 17:49

Client Sample ID: OW 23+90
Date Collected: 08/07/24 12:40
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/12/24 23:04
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 16:43
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 18:14

Client Sample ID: OW 23+10
Date Collected: 08/07/24 13:10
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/13/24 01:30
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 17:06
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 18:38

Client Sample ID: OW 8+10
Date Collected: 08/07/24 13:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/13/24 02:43
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 17:30

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Client Sample ID: OW 8+10
Date Collected: 08/07/24 13:45
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 19:02

Client Sample ID: OW 22+00
Date Collected: 08/07/24 14:15
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/13/24 03:08
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 17:53
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		1	10333	KR	EET ALB	08/15/24 19:26

Client Sample ID: MW-4
Date Collected: 08/07/24 14:50
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10078	CM	EET ALB	08/13/24 03:32
Total/NA	Analysis	8260B		100	10182	CM	EET ALB	08/13/24 15:48
Total/NA	Analysis	8260B		10	10182	CM	EET ALB	08/13/24 16:12
Total/NA	Analysis	8015M/D		10	10322	JP	EET ALB	08/14/24 18:17
Total/NA	Prep	3510C			9948	JM	EET ALB	08/08/24 11:53
Total/NA	Analysis	8015M/D		50	10666	KR	EET ALB	08/21/24 12:03
Total/NA	Analysis	300.0		10	9983	JT	EET ALB	08/08/24 16:35
Total/NA	Analysis	300.0		10	10015	JT	EET ALB	08/08/24 16:35
Total/NA	Analysis	300.0		100	9983	JT	EET ALB	08/08/24 16:47
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 11:53
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 12:21
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11095	BV	EET ALB	08/26/24 14:34
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		20	11165	BV	EET ALB	08/27/24 15:20
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:26

Client Sample ID: Trip Blank
Date Collected: 08/07/24 00:00
Date Received: 08/08/24 06:30

Lab Sample ID: 885-9427-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10182	CM	EET ALB	08/13/24 17:02

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9427-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	bis (2-Chloroisopropyl) ether
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Chain-of-Custody Record

Client: Ensolum

Mailing Address: 776 E. 2nd Ave
Durango, CO 81301

Phone #: 303-842-9578

email or Fax#:

QA/QC Package:
☐ Standard ☑ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☑ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: BT

Project #: 07A2015013

Project Manager: Devin Hencmann

Sampler: ~~E. F~~ Meredith Roberts

On Ice: ☒ Yes ☐ No

# of Coolers: 1 ypi

Cooler Temp(including CF): 3.4+0.9=4.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABOR
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

885-9427 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TPH(8015 DRO/LL)	Total metals	Dissolved metals	Alkalinity	Anions	CO_3
8/7/24	1030	GW	MW-08	various	various	1								X			X			X	X	
	1110		MW-78	various	various	2								X	X		X					
	1145		MW-1	various	various	3								X			X	X	X	X	X	X
	1225		OW 25+70	various	various	4								X			X					
	1240		OW 23+90	various	various	5								X			X					
	1310		OW 23+10	various	various	6								X			X					
	1345		OW 8+10	various	various	7								X			X					
	1415		OW 22+00	various	various	8								X			X					
↓	1450	↓	MW-4	various	various	9								X			X	X			X	
8/7/24	1455		Trip Blank	3voa	HCl	10								X								

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/7/24	1545				8/7/24	1545
8/7/24	1800			Courier	8/8/24	6:30

Remarks: cc: ecarroll@ensolum.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

ENSOLUM

TABLE 2
ANALYTICAL METHODS AND TARGET ANALTES
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Analysis (Method)[1]	Target List
Former Refinery Complex/North Boundary Barrier/San Juan River Bluff	
VOCs (EPA Method 8260)	Benzene
	Toluene
	Ethylbenzene
	Xylenes
	Methyl tert-butyl ether
SVOCs (EPA Method 8270)	Method List
TPH-GRO (EPA Method 8015)	Method List (Gasoline Range Organics)
TPH-DRO (EPA Method 8015)	Method List (Diesel Range Organics and Motor Oil Range Organics)
Total Carbon Dioxide (Lab Calculated or SM 2320)	Method List (Dissolved CO_2)
TDS (EPA Method 120.1 or Field Measurement)	Method List (Total Dissolved Solids)
Anions (EPA Method 300.0)	Fluoride
	Chloride
	Bromide
	Nitrogen, Nitrate (as N)
	Nitrogen, Nitrite (as N)
	Phosphorous, Orthophosphate (As P)
	Sulfate
Alkalinity (EPA Method 310.1)	Alkalinity, Total
	Carbonate
	Bicarbonate
Total Metals (EPA Methods 6010/6020/245.1)[2]	Arsenic
	Barium
	Cadmium
	Chromium
	Lead
	Mercury
	Selenium
	Sliver
Dissolved Metals (EPA Methods 6010)	Arsenic
	Barium
	Cadmium
	Calcium
	Chromium
	Copper
	Iron
	Lead
	Magnesium
	Manganese
	Mercury
	Potassium
	Selenium
	Silver
	Sodium
	Uranium
	Zinc

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-9427-1

Login Number: 9427 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

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JOB DESCRIPTION

BT

JOB NUMBER

885-9543-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

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Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: BT

Laboratory Job ID: 885-9543-1

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Definitions/Glossary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
P2	The sample was received with pH>2

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.

GC VOA

Qualifier	Qualifier Description
P2	The sample was received with pH>2

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

Definitions/Glossary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: BT

Job ID: 885-9543-1

Job ID: 885-9543-1 Eurofins Albuquerque

Job Narrative
885-9543-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/9/2024 6:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

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

GC/MS Semi VOA
Method 8270C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-10148 and analytical batch 885-10960 recovered outside control limits for the following analytes: Pyrene. Confirming results with a re-extraction. Results confirmed on analytical batch 11507.

Method 8270C: The laboratory control sample (LCS) for preparation batch 885-10148 and analytical batch 885-10960 recovered outside control limits. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

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

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

Diesel Range Organics
Method 8015D_DRO_LL: The method blank for preparation batch 885-10235 and analytical batch 885-10596 contained Diesel Range Organics [C10-C28] above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank and there is insufficient sample volume remaining for re-extraction; therefore, re-extraction and/or re-analysis of samples was not performed. Results will be reported as is with flags and narration.

Method 8015D_DRO_LL: The method blank for preparation batch 885-10235 and analytical batch 885-10666 contained Diesel Range Organics [C10-C28] above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank and there is insufficient sample volume remaining for re-extraction; therefore, re-extraction and/or re-analysis of samples was not performed. Results will be reported as is with flags and narration.

Method 8015D_DRO_LL: The following samples were diluted due to the nature of the sample matrix: MW-40 (885-9543-1) and DUPE-A (885-9543-2). Elevated reporting limits (RLs) are provided.

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

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

Metals
Method 7470A: The continuing calibration verification (CCV) associated with batch 885-10352 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 7470A: The continuing calibration verification (CCV) associated with batch 885-10351 recovered above the upper control

Case Narrative

Client: Ensolum LLC
Project: BT

Job ID: 885-9543-1

Job ID: 885-9543-1 (Continued) Eurofins Albuquerque

limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 7470A: The continuing calibration verification (CCV) associated with batch 885-10351 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry
Method 2320B: pH QC for these samples failed. Samples reanalyzed to verify values.

(LCS 885-10833/3), (MB 885-10833/2) and (MRL 885-10833/1)

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

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-40
Date Collected: 08/08/24 09:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	P2	100	27	ug/L			08/22/24 12:26	100
1,1,1-Trichloroethane	ND	P2	100	8.1	ug/L			08/22/24 12:26	100
1,1,2,2-Tetrachloroethane	ND	P2	200	27	ug/L			08/22/24 12:26	100
1,1,2-Trichloroethane	ND	P2	100	20	ug/L			08/22/24 12:26	100
1,1-Dichloroethane	ND	P2	100	30	ug/L			08/22/24 12:26	100
1,1-Dichloroethene	ND	P2	100	20	ug/L			08/22/24 12:26	100
1,1-Dichloropropene	ND	P2	100	18	ug/L			08/22/24 12:26	100
1,2,3-Trichlorobenzene	ND	P2	100	25	ug/L			08/22/24 12:26	100
1,2,3-Trichloropropane	ND	P2	200	16	ug/L			08/22/24 12:26	100
1,2,4-Trichlorobenzene	ND	P2	100	40	ug/L			08/22/24 12:26	100
1,2,4-Trimethylbenzene	**32**	**J P2**	100	12	ug/L			08/22/24 12:26	100
1,2-Dibromo-3-Chloropropane	ND	P2	200	59	ug/L			08/22/24 12:26	100
1,2-Dibromoethane (EDB)	ND	P2	100	30	ug/L			08/22/24 12:26	100
1,2-Dichlorobenzene	ND	P2	100	15	ug/L			08/22/24 12:26	100
1,2-Dichloroethane (EDC)	ND	P2	100	30	ug/L			08/22/24 12:26	100
1,2-Dichloropropane	ND	P2	100	20	ug/L			08/22/24 12:26	100
1,3,5-Trimethylbenzene	**27**	**J P2**	100	18	ug/L			08/22/24 12:26	100
1,3-Dichlorobenzene	ND	P2	100	16	ug/L			08/22/24 12:26	100
1,3-Dichloropropane	ND	P2	100	18	ug/L			08/22/24 12:26	100
1,4-Dichlorobenzene	ND	P2	100	10	ug/L			08/22/24 12:26	100
1-Methylnaphthalene	ND	P2	400	200	ug/L			08/22/24 12:26	100
2,2-Dichloropropane	ND	P2	200	26	ug/L			08/22/24 12:26	100
2-Butanone	ND	P2	1000	200	ug/L			08/22/24 12:26	100
2-Chlorotoluene	ND	P2	100	13	ug/L			08/22/24 12:26	100
2-Hexanone	ND	P2	1000	180	ug/L			08/22/24 12:26	100
2-Methylnaphthalene	ND	P2	400	200	ug/L			08/22/24 12:26	100
4-Chlorotoluene	ND	P2	100	13	ug/L			08/22/24 12:26	100
4-Isopropyltoluene	ND	P2	100	20	ug/L			08/22/24 12:26	100
4-Methyl-2-pentanone	ND	P2	1000	150	ug/L			08/22/24 12:26	100
Acetone	ND	P2	1000	250	ug/L			08/22/24 12:26	100
Benzene	ND	P2	100	23	ug/L			08/22/24 12:26	100
Bromobenzene	ND	P2	100	28	ug/L			08/22/24 12:26	100
Bromodichloromethane	ND	P2	100	20	ug/L			08/22/24 12:26	100
Dibromochloromethane	ND	P2	100	28	ug/L			08/22/24 12:26	100
Bromoform	ND	P2	100	31	ug/L			08/22/24 12:26	100
Bromomethane	ND	P2	300	100	ug/L			08/22/24 12:26	100
Carbon disulfide	ND	P2	1000	100	ug/L			08/22/24 12:26	100
Carbon tetrachloride	ND	P2	100	18	ug/L			08/22/24 12:26	100
Chlorobenzene	ND	P2	100	46	ug/L			08/22/24 12:26	100
Chloroethane	ND	P2	200	38	ug/L			08/22/24 12:26	100
Chloroform	ND	P2	100	25	ug/L			08/22/24 12:26	100
Chloromethane	ND	P2	300	41	ug/L			08/22/24 12:26	100
cis-1,2-Dichloroethene	ND	P2	100	39	ug/L			08/22/24 12:26	100
cis-1,3-Dichloropropene	ND	P2	100	12	ug/L			08/22/24 12:26	100
Dibromomethane	ND	P2	100	31	ug/L			08/22/24 12:26	100
Dichlorodifluoromethane	ND	P2	100	26	ug/L			08/22/24 12:26	100
Ethylbenzene	ND	P2	100	21	ug/L			08/22/24 12:26	100
Hexachlorobutadiene	ND	P2	100	42	ug/L			08/22/24 12:26	100
Isopropylbenzene	**21**	**J P2**	100	18	ug/L			08/22/24 12:26	100

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-40
Date Collected: 08/08/24 09:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**40**	**J P2**	100	39	ug/L			08/22/24 12:26	100
Methylene Chloride	ND	P2	300	120	ug/L			08/22/24 12:26	100
n-Butylbenzene	ND	P2	300	13	ug/L			08/22/24 12:26	100
N-Propylbenzene	**27**	**J P2**	100	11	ug/L			08/22/24 12:26	100
Naphthalene	**170**	**J P2**	200	24	ug/L			08/22/24 12:26	100
sec-Butylbenzene	**25**	**J P2**	100	14	ug/L			08/22/24 12:26	100
Styrene	ND	P2	100	14	ug/L			08/22/24 12:26	100
tert-Butylbenzene	ND	P2	100	24	ug/L			08/22/24 12:26	100
Tetrachloroethene (PCE)	ND	P2	100	18	ug/L			08/22/24 12:26	100
Toluene	ND	P2	100	25	ug/L			08/22/24 12:26	100
trans-1,2-Dichloroethene	ND	P2	100	19	ug/L			08/22/24 12:26	100
trans-1,3-Dichloropropene	ND	P2	100	34	ug/L			08/22/24 12:26	100
Trichloroethene (TCE)	ND	P2	100	20	ug/L			08/22/24 12:26	100
Trichlorofluoromethane	ND	P2	100	16	ug/L			08/22/24 12:26	100
Vinyl chloride	ND	P2	100	32	ug/L			08/22/24 12:26	100
Xylenes, Total	**39**	**J P2**	150	37	ug/L			08/22/24 12:26	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*08/22/24 12:26*	*100*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/22/24 12:26*	*100*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*08/22/24 12:26*	*100*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/22/24 12:26*	*100*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**1.7**	**P2**	0.50	0.13	mg/L			08/15/24 15:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*P2*	*15 - 270*		*08/15/24 15:54*	*10*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**20**	**B**	19	6.7	mg/L		08/14/24 07:00	08/21/24 13:38	100
Motor Oil Range Organics [C28-C40]	ND	D	9.4	7.0	mg/L		08/14/24 07:00	08/21/24 13:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*33 - 159*	*08/14/24 07:00*	*08/21/24 13:38*	*100*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: DUPE-A
Date Collected: 08/08/24 09:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	P2	50	13	ug/L			08/22/24 12:55	50
1,1,1-Trichloroethane	ND	P2	50	4.1	ug/L			08/22/24 12:55	50
1,1,2,2-Tetrachloroethane	ND	P2	100	14	ug/L			08/22/24 12:55	50
1,1,2-Trichloroethane	ND	P2	50	9.9	ug/L			08/22/24 12:55	50
1,1-Dichloroethane	ND	P2	50	15	ug/L			08/22/24 12:55	50
1,1-Dichloroethene	ND	P2	50	10	ug/L			08/22/24 12:55	50
1,1-Dichloropropene	ND	P2	50	9.0	ug/L			08/22/24 12:55	50
1,2,3-Trichlorobenzene	ND	P2	50	12	ug/L			08/22/24 12:55	50
1,2,3-Trichloropropane	ND	P2	100	8.0	ug/L			08/22/24 12:55	50
1,2,4-Trichlorobenzene	ND	P2	50	20	ug/L			08/22/24 12:55	50
1,2,4-Trimethylbenzene	**13**	**J P2**	50	6.1	ug/L			08/22/24 12:55	50
1,2-Dibromo-3-Chloropropane	ND	P2	100	29	ug/L			08/22/24 12:55	50
1,2-Dibromoethane (EDB)	ND	P2	50	15	ug/L			08/22/24 12:55	50
1,2-Dichlorobenzene	ND	P2	50	7.7	ug/L			08/22/24 12:55	50
1,2-Dichloroethane (EDC)	ND	P2	50	15	ug/L			08/22/24 12:55	50
1,2-Dichloropropane	ND	P2	50	10	ug/L			08/22/24 12:55	50
1,3,5-Trimethylbenzene	ND	P2	50	9.1	ug/L			08/22/24 12:55	50
1,3-Dichlorobenzene	ND	P2	50	8.1	ug/L			08/22/24 12:55	50
1,3-Dichloropropane	ND	P2	50	9.0	ug/L			08/22/24 12:55	50
1,4-Dichlorobenzene	ND	P2	50	5.2	ug/L			08/22/24 12:55	50
1-Methylnaphthalene	ND	P2	200	100	ug/L			08/22/24 12:55	50
2,2-Dichloropropane	ND	P2	100	13	ug/L			08/22/24 12:55	50
2-Butanone	ND	P2	500	100	ug/L			08/22/24 12:55	50
2-Chlorotoluene	ND	P2	50	6.6	ug/L			08/22/24 12:55	50
2-Hexanone	ND	P2	500	90	ug/L			08/22/24 12:55	50
2-Methylnaphthalene	ND	P2	200	100	ug/L			08/22/24 12:55	50
4-Chlorotoluene	ND	P2	50	6.7	ug/L			08/22/24 12:55	50
4-Isopropyltoluene	ND	P2	50	10	ug/L			08/22/24 12:55	50
4-Methyl-2-pentanone	ND	P2	500	75	ug/L			08/22/24 12:55	50
Acetone	ND	P2	500	130	ug/L			08/22/24 12:55	50
Benzene	ND	P2	50	11	ug/L			08/22/24 12:55	50
Bromobenzene	ND	P2	50	14	ug/L			08/22/24 12:55	50
Bromodichloromethane	ND	P2	50	10	ug/L			08/22/24 12:55	50
Dibromochloromethane	ND	P2	50	14	ug/L			08/22/24 12:55	50
Bromoform	ND	P2	50	16	ug/L			08/22/24 12:55	50
Bromomethane	ND	P2	150	50	ug/L			08/22/24 12:55	50
Carbon disulfide	ND	P2	500	50	ug/L			08/22/24 12:55	50
Carbon tetrachloride	ND	P2	50	8.8	ug/L			08/22/24 12:55	50
Chlorobenzene	ND	P2	50	23	ug/L			08/22/24 12:55	50
Chloroethane	ND	P2	100	19	ug/L			08/22/24 12:55	50
Chloroform	ND	P2	50	13	ug/L			08/22/24 12:55	50
Chloromethane	ND	P2	150	21	ug/L			08/22/24 12:55	50
cis-1,2-Dichloroethene	ND	P2	50	19	ug/L			08/22/24 12:55	50
cis-1,3-Dichloropropene	ND	P2	50	5.8	ug/L			08/22/24 12:55	50
Dibromomethane	ND	P2	50	15	ug/L			08/22/24 12:55	50
Dichlorodifluoromethane	ND	P2	50	13	ug/L			08/22/24 12:55	50
Ethylbenzene	ND	P2	50	11	ug/L			08/22/24 12:55	50
Hexachlorobutadiene	ND	P2	50	21	ug/L			08/22/24 12:55	50
Isopropylbenzene	**24**	**J P2**	50	9.1	ug/L			08/22/24 12:55	50

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: DUPE-A
Date Collected: 08/08/24 09:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**22**	**J P2**	50	20	ug/L			08/22/24 12:55	50
Methylene Chloride	ND	P2	150	62	ug/L			08/22/24 12:55	50
n-Butylbenzene	ND	P2	150	6.3	ug/L			08/22/24 12:55	50
N-Propylbenzene	**23**	**J P2**	50	5.5	ug/L			08/22/24 12:55	50
Naphthalene	**99**	**J P2**	100	12	ug/L			08/22/24 12:55	50
sec-Butylbenzene	**15**	**J P2**	50	7.2	ug/L			08/22/24 12:55	50
Styrene	ND	P2	50	6.8	ug/L			08/22/24 12:55	50
tert-Butylbenzene	**12**	**J P2**	50	12	ug/L			08/22/24 12:55	50
Tetrachloroethene (PCE)	ND	P2	50	8.9	ug/L			08/22/24 12:55	50
Toluene	ND	P2	50	13	ug/L			08/22/24 12:55	50
trans-1,2-Dichloroethene	ND	P2	50	9.7	ug/L			08/22/24 12:55	50
trans-1,3-Dichloropropene	ND	P2	50	17	ug/L			08/22/24 12:55	50
Trichloroethene (TCE)	ND	P2	50	10	ug/L			08/22/24 12:55	50
Trichlorofluoromethane	ND	P2	50	7.9	ug/L			08/22/24 12:55	50
Vinyl chloride	ND	P2	50	16	ug/L			08/22/24 12:55	50
Xylenes, Total	**20**	**J P2**	75	19	ug/L			08/22/24 12:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*08/22/24 12:55*	*50*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/22/24 12:55*	*50*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/22/24 12:55*	*50*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/22/24 12:55*	*50*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**3.7**	**P2**	0.50	0.13	mg/L			08/15/24 16:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*190*	*P2*	*15 - 270*		*08/15/24 16:41*	*10*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6.6**	**J B**	9.4	3.4	mg/L		08/14/24 07:00	08/21/24 12:50	50
Motor Oil Range Organics [C28-C40]	ND	D	4.7	3.5	mg/L		08/14/24 07:00	08/21/24 12:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*33 - 159*	*08/14/24 07:00*	*08/21/24 12:50*	*50*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-27

Date Collected: 08/08/24 09:35
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 13:24	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 13:24	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 13:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 13:24	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 13:24	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 13:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 13:24	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 13:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 13:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/22/24 13:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 13:24	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 13:24	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 13:24	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 13:24	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 13:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 13:24	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 13:24	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 13:24	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/22/24 13:24	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 13:24	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 13:24	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 13:24	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 13:24	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 13:24	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 13:24	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 13:24	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 13:24	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 13:24	1
Acetone	ND		10	2.5	ug/L			08/22/24 13:24	1
Benzene	ND		1.0	0.23	ug/L			08/22/24 13:24	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 13:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 13:24	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 13:24	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 13:24	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 13:24	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 13:24	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 13:24	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 13:24	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 13:24	1
Chloroform	ND		1.0	0.25	ug/L			08/22/24 13:24	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 13:24	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 13:24	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 13:24	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 13:24	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 13:24	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 13:24	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-27
Date Collected: 08/08/24 09:35
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 13:24	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 13:24	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 13:24	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 13:24	1
Naphthalene	**0.33**	**J**	2.0	0.24	ug/L			08/22/24 13:24	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 13:24	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 13:24	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 13:24	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 13:24	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 13:24	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 13:24	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 13:24	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 13:24	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/22/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*08/22/24 13:24*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/22/24 13:24*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*08/22/24 13:24*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/22/24 13:24*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/15/24 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 270*		*08/15/24 15:30*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.54**	**B**	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 04:44	1
Motor Oil Range Organics [C28-C40]	**0.39**		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*84*		*33 - 159*	*08/14/24 07:00*	*08/21/24 04:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**1000**		20	1.8	mg/L			08/15/24 11:03	20
Iron	**0.80**		0.020	0.017	mg/L			08/15/24 10:16	1
Magnesium	**190**		5.0	0.49	mg/L			08/15/24 10:18	5
Manganese	**0.13**		0.0020	0.00032	mg/L			08/15/24 10:16	1
Potassium	**2.7**		1.0	0.13	mg/L			08/15/24 10:16	1
Sodium	**1600**		20	5.9	mg/L			08/15/24 11:03	20
Zinc	**0.078**		0.020	0.0049	mg/L			08/15/24 10:16	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-27
Date Collected: 08/08/24 09:35
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-3
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 12:58	10
Barium	**0.14**		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 12:58	10
Cadmium	**0.015**		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 12:58	10
Chromium	ND		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 12:58	10
Lead	ND		0.10	0.060	mg/L		08/14/24 13:52	08/28/24 14:47	100
Selenium	ND		0.010	0.0080	mg/L		08/14/24 13:52	08/27/24 12:58	10
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 11:56	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:23	20
Barium	**0.064**		0.020	0.010	mg/L			09/06/24 11:23	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:23	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:23	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:23	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:23	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 11:23	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:23	20
Uranium	**0.077**		0.020	0.010	mg/L			09/06/24 11:23	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:28	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 11:48	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-33
Date Collected: 08/08/24 09:50
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	H	1.0	0.27	ug/L			08/23/24 12:42	1
1,1,1-Trichloroethane	ND	H	1.0	0.081	ug/L			08/23/24 12:42	1
1,1,2,2-Tetrachloroethane	ND	H	2.0	0.27	ug/L			08/23/24 12:42	1
1,1,2-Trichloroethane	ND	H	1.0	0.20	ug/L			08/23/24 12:42	1
1,1-Dichloroethane	ND	H	1.0	0.30	ug/L			08/23/24 12:42	1
1,1-Dichloroethene	ND	H	1.0	0.20	ug/L			08/23/24 12:42	1
1,1-Dichloropropene	ND	H	1.0	0.18	ug/L			08/23/24 12:42	1
1,2,3-Trichlorobenzene	ND	H	1.0	0.25	ug/L			08/23/24 12:42	1
1,2,3-Trichloropropane	ND	H	2.0	0.16	ug/L			08/23/24 12:42	1
1,2,4-Trichlorobenzene	ND	H	1.0	0.40	ug/L			08/23/24 12:42	1
1,2,4-Trimethylbenzene	ND	H	1.0	0.12	ug/L			08/23/24 12:42	1
1,2-Dibromo-3-Chloropropane	ND	H	2.0	0.59	ug/L			08/23/24 12:42	1
1,2-Dibromoethane (EDB)	ND	H	1.0	0.30	ug/L			08/23/24 12:42	1
1,2-Dichlorobenzene	ND	H	1.0	0.15	ug/L			08/23/24 12:42	1
1,2-Dichloroethane (EDC)	ND	H	1.0	0.30	ug/L			08/23/24 12:42	1
1,2-Dichloropropane	ND	H	1.0	0.20	ug/L			08/23/24 12:42	1
1,3,5-Trimethylbenzene	ND	H	1.0	0.18	ug/L			08/23/24 12:42	1
1,3-Dichlorobenzene	ND	H	1.0	0.16	ug/L			08/23/24 12:42	1
1,3-Dichloropropane	ND	H	1.0	0.18	ug/L			08/23/24 12:42	1
1,4-Dichlorobenzene	ND	H	1.0	0.10	ug/L			08/23/24 12:42	1
1-Methylnaphthalene	ND	H	4.0	2.0	ug/L			08/23/24 12:42	1
2,2-Dichloropropane	ND	H	2.0	0.26	ug/L			08/23/24 12:42	1
2-Butanone	ND	H	10	2.0	ug/L			08/23/24 12:42	1
2-Chlorotoluene	ND	H	1.0	0.13	ug/L			08/23/24 12:42	1
2-Hexanone	ND	H	10	1.8	ug/L			08/23/24 12:42	1
2-Methylnaphthalene	ND	H	4.0	2.0	ug/L			08/23/24 12:42	1
4-Chlorotoluene	ND	H	1.0	0.13	ug/L			08/23/24 12:42	1
4-Isopropyltoluene	**0.26**	**J H**	1.0	0.20	ug/L			08/23/24 12:42	1
4-Methyl-2-pentanone	ND	H	10	1.5	ug/L			08/23/24 12:42	1
Acetone	ND	H	10	2.5	ug/L			08/23/24 12:42	1
Benzene	ND	H	1.0	0.23	ug/L			08/23/24 12:42	1
Bromobenzene	ND	H	1.0	0.28	ug/L			08/23/24 12:42	1
Bromodichloromethane	ND	H	1.0	0.20	ug/L			08/23/24 12:42	1
Dibromochloromethane	ND	H	1.0	0.28	ug/L			08/23/24 12:42	1
Bromoform	ND	H	1.0	0.31	ug/L			08/23/24 12:42	1
Bromomethane	ND	H	3.0	1.0	ug/L			08/23/24 12:42	1
Carbon disulfide	ND	H	10	1.0	ug/L			08/23/24 12:42	1
Carbon tetrachloride	ND	H	1.0	0.18	ug/L			08/23/24 12:42	1
Chlorobenzene	ND	H	1.0	0.46	ug/L			08/23/24 12:42	1
Chloroethane	ND	H	2.0	0.38	ug/L			08/23/24 12:42	1
Chloroform	ND	H	1.0	0.25	ug/L			08/23/24 12:42	1
Chloromethane	ND	H	3.0	0.41	ug/L			08/23/24 12:42	1
cis-1,2-Dichloroethene	ND	H	1.0	0.39	ug/L			08/23/24 12:42	1
cis-1,3-Dichloropropene	ND	H	1.0	0.12	ug/L			08/23/24 12:42	1
Dibromomethane	ND	H	1.0	0.31	ug/L			08/23/24 12:42	1
Dichlorodifluoromethane	ND	H	1.0	0.26	ug/L			08/23/24 12:42	1
Ethylbenzene	ND	H	1.0	0.21	ug/L			08/23/24 12:42	1
Hexachlorobutadiene	ND	H	1.0	0.42	ug/L			08/23/24 12:42	1
Isopropylbenzene	ND	H	1.0	0.18	ug/L			08/23/24 12:42	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-33
Date Collected: 08/08/24 09:50
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND	H	1.0	0.39	ug/L			08/23/24 12:42	1
Methylene Chloride	ND	H	3.0	1.2	ug/L			08/23/24 12:42	1
n-Butylbenzene	**0.37**	**J H**	3.0	0.13	ug/L			08/23/24 12:42	1
N-Propylbenzene	ND	H	1.0	0.11	ug/L			08/23/24 12:42	1
Naphthalene	**0.29**	**J H B**	2.0	0.24	ug/L			08/23/24 12:42	1
sec-Butylbenzene	**0.24**	**J H**	1.0	0.14	ug/L			08/23/24 12:42	1
Styrene	ND	H	1.0	0.14	ug/L			08/23/24 12:42	1
tert-Butylbenzene	ND	H	1.0	0.24	ug/L			08/23/24 12:42	1
Tetrachloroethene (PCE)	ND	H	1.0	0.18	ug/L			08/23/24 12:42	1
Toluene	ND	H	1.0	0.25	ug/L			08/23/24 12:42	1
trans-1,2-Dichloroethene	ND	H	1.0	0.19	ug/L			08/23/24 12:42	1
trans-1,3-Dichloropropene	ND	H	1.0	0.34	ug/L			08/23/24 12:42	1
Trichloroethene (TCE)	ND	H	1.0	0.20	ug/L			08/23/24 12:42	1
Trichlorofluoromethane	ND	H	1.0	0.16	ug/L			08/23/24 12:42	1
Vinyl chloride	ND	H	1.0	0.32	ug/L			08/23/24 12:42	1
Xylenes, Total	ND	H	1.5	0.37	ug/L			08/23/24 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*08/23/24 12:42*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/23/24 12:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*08/23/24 12:42*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*08/23/24 12:42*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 270*		*08/14/24 19:51*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.097**	**J B**	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 05:08	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*33 - 159*	*08/14/24 07:00*	*08/21/24 05:08*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-64
Date Collected: 08/08/24 10:25
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 15:19	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 15:19	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 15:19	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 15:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 15:19	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 15:19	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 15:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 15:19	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 15:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 15:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/22/24 15:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 15:19	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 15:19	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 15:19	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 15:19	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 15:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 15:19	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 15:19	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 15:19	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/22/24 15:19	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 15:19	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 15:19	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 15:19	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 15:19	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 15:19	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 15:19	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 15:19	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 15:19	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 15:19	1
Acetone	ND		10	2.5	ug/L			08/22/24 15:19	1
Benzene	ND		1.0	0.23	ug/L			08/22/24 15:19	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 15:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 15:19	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 15:19	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 15:19	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 15:19	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 15:19	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 15:19	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 15:19	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 15:19	1
Chloroform	**0.32**	**J**	1.0	0.25	ug/L			08/22/24 15:19	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 15:19	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 15:19	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 15:19	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 15:19	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 15:19	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 15:19	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 15:19	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-64
Date Collected: 08/08/24 10:25
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 15:19	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 15:19	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 15:19	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 15:19	1
Naphthalene	ND		2.0	0.24	ug/L			08/22/24 15:19	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 15:19	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 15:19	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 15:19	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 15:19	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 15:19	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 15:19	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 15:19	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 15:19	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 15:19	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/22/24 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*08/22/24 15:19*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/22/24 15:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/22/24 15:19*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*08/22/24 15:19*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 270*		*08/14/24 20:15*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.11**	**J B**	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 05:32	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*33 - 159*	*08/14/24 07:00*	*08/21/24 05:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**2.2**		0.10		mg/L			08/09/24 14:38	1
Nitrate	**39**		2.0		mg/L			08/09/24 14:50	20
Chloride	**400**		25		mg/L			08/13/24 06:22	50
Nitrite	ND		2.0		mg/L			08/09/24 14:50	20
Orthophosphate as P	ND		0.50		mg/L			08/09/24 14:38	1
Sulfate	**1000**		25		mg/L			08/13/24 06:22	50
Fluoride	**0.17**		0.10		mg/L			08/09/24 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**290**		5.0	0.45	mg/L			08/15/24 10:30	5

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-64
Date Collected: 08/08/24 10:25
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-5
Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.5**		0.10	0.087	mg/L			08/15/24 10:30	5
Magnesium	**43**		1.0	0.098	mg/L			08/15/24 10:28	1
Manganese	**0.090**		0.0020	0.00032	mg/L			08/15/24 10:28	1
Potassium	**4.9**		1.0	0.13	mg/L			08/15/24 10:28	1
Sodium	**560**		10	3.0	mg/L			08/15/24 10:56	10
Zinc	**0.016**	**J**	0.020	0.0049	mg/L			08/15/24 10:28	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0050**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:52	5
Barium	**0.31**		0.10	0.050	mg/L		08/14/24 13:52	08/28/24 14:56	100
Cadmium	ND		0.10	0.050	mg/L		08/14/24 13:52	08/28/24 14:56	100
Chromium	**0.015**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 12:52	5
Lead	ND		0.10	0.060	mg/L		08/14/24 13:52	08/28/24 14:56	100
Selenium	ND		0.10	0.080	mg/L		08/14/24 13:52	09/06/24 14:03	100
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 11:59	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:28	20
Barium	**0.024**		0.020	0.010	mg/L			09/06/24 11:28	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:28	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:28	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:28	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:28	20
Selenium	**0.022**		0.020	0.016	mg/L			09/06/24 11:28	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:28	20
Uranium	**0.011**	**J**	0.020	0.010	mg/L			09/06/24 11:28	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:31	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**290**		20	20	mg/L			08/22/24 02:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**290**		20	20	mg/L			08/22/24 02:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 02:17	1
Carbon dioxide (SM 4500 CO2 D)	**260**	**HF**	23	23	mg/L			08/22/24 02:17	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-50
Date Collected: 08/08/24 13:10
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 15:48	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 15:48	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 15:48	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 15:48	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 15:48	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 15:48	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 15:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 15:48	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 15:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 15:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/22/24 15:48	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 15:48	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 15:48	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 15:48	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 15:48	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 15:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 15:48	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 15:48	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 15:48	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/22/24 15:48	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 15:48	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 15:48	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 15:48	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 15:48	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 15:48	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 15:48	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 15:48	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 15:48	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 15:48	1
Acetone	ND		10	2.5	ug/L			08/22/24 15:48	1
Benzene	**0.33**	**J**	1.0	0.23	ug/L			08/22/24 15:48	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 15:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 15:48	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 15:48	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 15:48	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 15:48	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 15:48	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 15:48	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 15:48	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 15:48	1
Chloroform	ND		1.0	0.25	ug/L			08/22/24 15:48	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 15:48	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 15:48	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 15:48	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 15:48	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 15:48	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 15:48	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 15:48	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 15:48	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-50
Date Collected: 08/08/24 13:10
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 15:48	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 15:48	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 15:48	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 15:48	1
Naphthalene	ND		2.0	0.24	ug/L			08/22/24 15:48	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 15:48	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 15:48	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 15:48	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 15:48	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 15:48	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 15:48	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 15:48	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 15:48	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 15:48	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 15:48	1
Xylenes, Total	**0.37**	**J**	1.5	0.37	ug/L			08/22/24 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/22/24 15:48*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/22/24 15:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/22/24 15:48*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*08/22/24 15:48*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	41	ug/L		08/13/24 07:08	08/26/24 20:03	1
1,2-Dichlorobenzene	ND		50	50	ug/L		08/13/24 07:08	08/26/24 20:03	1
1,3-Dichlorobenzene	ND		60	57	ug/L		08/13/24 07:08	08/26/24 20:03	1
1,4-Dichlorobenzene	ND		60	51	ug/L		08/13/24 07:08	08/26/24 20:03	1
1-Methylnaphthalene	ND		50	43	ug/L		08/13/24 07:08	08/26/24 20:03	1
2,4,5-Trichlorophenol	ND		50	26	ug/L		08/13/24 07:08	08/26/24 20:03	1
2,4,6-Trichlorophenol	ND		50	22	ug/L		08/13/24 07:08	08/26/24 20:03	1
2,4-Dichlorophenol	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:03	1
2,4-Dimethylphenol	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
2,4-Dinitrophenol	ND		150	140	ug/L		08/13/24 07:08	08/26/24 20:03	1
2,4-Dinitrotoluene	ND	*-	25	25	ug/L		08/13/24 07:08	08/26/24 20:03	1
2,6-Dinitrotoluene	ND		50	39	ug/L		08/13/24 07:08	08/26/24 20:03	1
2-Chloronaphthalene	ND		50	44	ug/L		08/13/24 07:08	08/26/24 20:03	1
2-Chlorophenol	ND		100	53	ug/L		08/13/24 07:08	08/26/24 20:03	1
2-Methylnaphthalene	ND		25	14	ug/L		08/13/24 07:08	08/26/24 20:03	1
2-Methylphenol	ND		50	23	ug/L		08/13/24 07:08	08/26/24 20:03	1
2-Nitroaniline	ND		50	28	ug/L		08/13/24 07:08	08/26/24 20:03	1
2-Nitrophenol	ND		50	22	ug/L		08/13/24 07:08	08/26/24 20:03	1
3 & 4 Methylphenol	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
3,3'-Dichlorobenzidine	ND		50	31	ug/L		08/13/24 07:08	08/26/24 20:03	1
3-Nitroaniline	ND		100	75	ug/L		08/13/24 07:08	08/26/24 20:03	1
4,6-Dinitro-2-methylphenol	ND		100	95	ug/L		08/13/24 07:08	08/26/24 20:03	1
4-Bromophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:03	1
4-Chloro-3-methylphenol	ND	*-	25	23	ug/L		08/13/24 07:08	08/26/24 20:03	1
4-Chloroaniline	ND		25	23	ug/L		08/13/24 07:08	08/26/24 20:03	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-50
Date Collected: 08/08/24 13:10
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-6
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:03	1
4-Nitroaniline	ND		25	23	ug/L		08/13/24 07:08	08/26/24 20:03	1
4-Nitrophenol	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:03	1
Acenaphthene	ND	*-	50	39	ug/L		08/13/24 07:08	08/26/24 20:03	1
Acenaphthylene	ND		25	23	ug/L		08/13/24 07:08	08/26/24 20:03	1
Aniline	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:03	1
Anthracene	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:03	1
Azobenzene	ND		50	19	ug/L		08/13/24 07:08	08/26/24 20:03	1
Benzo[a]anthracene	ND		50	34	ug/L		08/13/24 07:08	08/26/24 20:03	1
Benzo[a]pyrene	ND		25	25	ug/L		08/13/24 07:08	08/26/24 20:03	1
Benzo[b]fluoranthene	ND		50	29	ug/L		08/13/24 07:08	08/26/24 20:03	1
Benzo[g,h,i]perylene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
Benzo[k]fluoranthene	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
Benzoic acid	ND		100	76	ug/L		08/13/24 07:08	08/26/24 20:03	1
Benzyl alcohol	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
Bis(2-ethylhexyl) phthalate	ND		50	49	ug/L		08/13/24 07:08	08/26/24 20:03	1
bis (2-Chloroisopropyl) ether	ND		25	18	ug/L		08/13/24 07:08	08/26/24 20:03	1
Bis(2-chloroethoxy)methane	ND		50	22	ug/L		08/13/24 07:08	08/26/24 20:03	1
Bis(2-chloroethyl)ether	ND		50	25	ug/L		08/13/24 07:08	08/26/24 20:03	1
Butyl benzyl phthalate	ND		50	32	ug/L		08/13/24 07:08	08/26/24 20:03	1
Carbazole	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:03	1
Chrysene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
Di-n-butyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:03	1
Di-n-octyl phthalate	ND		50	38	ug/L		08/13/24 07:08	08/26/24 20:03	1
Dibenz(a,h)anthracene	ND		50	34	ug/L		08/13/24 07:08	08/26/24 20:03	1
Dibenzofuran	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
Diethyl phthalate	ND		50	28	ug/L		08/13/24 07:08	08/26/24 20:03	1
Dimethyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:03	1
Fluoranthene	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:03	1
Fluorene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
Hexachlorobenzene	ND		100	23	ug/L		08/13/24 07:08	08/26/24 20:03	1
Hexachlorobutadiene	ND		100	57	ug/L		08/13/24 07:08	08/26/24 20:03	1
Hexachlorocyclopentadiene	ND		100	45	ug/L		08/13/24 07:08	08/26/24 20:03	1
Hexachloroethane	ND		100	55	ug/L		08/13/24 07:08	08/26/24 20:03	1
Indeno[1,2,3-cd]pyrene	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:03	1
Isophorone	ND		25	22	ug/L		08/13/24 07:08	08/26/24 20:03	1
N-Nitrosodi-n-propylamine	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:03	1
N-Nitrosodimethylamine	ND		25	16	ug/L		08/13/24 07:08	08/26/24 20:03	1
N-Nitrosodiphenylamine	ND		50	26	ug/L		08/13/24 07:08	08/26/24 20:03	1
Naphthalene	ND		25	17	ug/L		08/13/24 07:08	08/26/24 20:03	1
Nitrobenzene	ND		25	18	ug/L		08/13/24 07:08	08/26/24 20:03	1
Pentachlorophenol	ND		100	76	ug/L		08/13/24 07:08	08/26/24 20:03	1
Phenanthrene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:03	1
Phenol	ND	*-	50	19	ug/L		08/13/24 07:08	08/26/24 20:03	1
Pyrene	ND	*- *1	50	26	ug/L		08/13/24 07:08	08/26/24 20:03	1
Pyridine	ND		100	13	ug/L		08/13/24 07:08	08/26/24 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*24*		*15 - 130*	*08/13/24 07:08*	*08/26/24 20:03*	*1*
2-Fluorophenol (Surr)	*32*		*15 - 130*	*08/13/24 07:08*	*08/26/24 20:03*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-50
Date Collected: 08/08/24 13:10
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-6
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*15 - 130*	*08/13/24 07:08*	*08/26/24 20:03*	*1*
Nitrobenzene-d5 (Surr)	*42*		*29 - 130*	*08/13/24 07:08*	*08/26/24 20:03*	*1*
2-Fluorobiphenyl (Surr)	*39*		*20 - 130*	*08/13/24 07:08*	*08/26/24 20:03*	*1*
p-Terphenyl-d14 (Surr)	*58*		*41 - 130*	*08/13/24 07:08*	*08/26/24 20:03*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*15 - 270*		*08/14/24 20:38*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/14/24 07:00	08/21/24 06:20	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*	*08/14/24 07:00*	*08/21/24 06:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.16**		0.10		mg/L			08/09/24 15:27	1
Nitrate	**1.8**		0.10		mg/L			08/09/24 15:27	1
Chloride	**15**		0.50		mg/L			08/09/24 15:27	1
Nitrite	ND		0.10		mg/L			08/09/24 15:27	1
Orthophosphate as P	ND		0.50		mg/L			08/09/24 15:27	1
Sulfate	**210**		10		mg/L			08/09/24 15:39	20
Fluoride	**0.20**		0.10		mg/L			08/09/24 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		5.0	0.45	mg/L			08/15/24 10:35	5
Iron	**0.043**		0.020	0.017	mg/L			08/15/24 10:33	1
Magnesium	**26**		1.0	0.098	mg/L			08/15/24 10:33	1
Manganese	**4.7**		0.010	0.0016	mg/L			08/15/24 10:35	5
Potassium	**2.6**		1.0	0.13	mg/L			08/15/24 10:33	1
Sodium	**53**		1.0	0.30	mg/L			08/15/24 10:33	1
Zinc	**0.036**		0.020	0.0049	mg/L			08/15/24 10:33	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0074**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:06	5
Barium	**0.32**		0.10	0.050	mg/L		08/14/24 13:52	08/28/24 15:01	100
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:06	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:06	5
Lead	ND		0.10	0.060	mg/L		08/14/24 13:52	08/28/24 15:01	100
Selenium	ND		0.10	0.080	mg/L		08/14/24 13:52	09/06/24 14:07	100
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:02	5

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-50
Date Collected: 08/08/24 13:10
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-6
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:32	20
Barium	**0.30**		0.020	0.010	mg/L			09/06/24 11:32	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:32	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:32	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:32	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:32	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 11:32	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:32	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 11:32	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:33	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**350**		20	20	mg/L			08/22/24 02:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		20	20	mg/L			08/22/24 02:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 02:45	1
Carbon dioxide (SM 4500 CO2 D)	**320**	**HF**	23	23	mg/L			08/22/24 02:45	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-51
Date Collected: 08/08/24 14:20
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 16:16	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 16:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 16:16	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 16:16	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 16:16	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 16:16	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 16:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 16:16	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 16:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 16:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/22/24 16:16	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 16:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 16:16	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 16:16	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 16:16	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 16:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 16:16	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 16:16	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 16:16	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/22/24 16:16	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 16:16	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 16:16	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 16:16	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 16:16	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 16:16	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 16:16	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 16:16	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 16:16	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 16:16	1
Acetone	**2.5**	**J**	10	2.5	ug/L			08/22/24 16:16	1
Benzene	ND		1.0	0.23	ug/L			08/22/24 16:16	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 16:16	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 16:16	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 16:16	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 16:16	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 16:16	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 16:16	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 16:16	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 16:16	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 16:16	1
Chloroform	ND		1.0	0.25	ug/L			08/22/24 16:16	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 16:16	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 16:16	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 16:16	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 16:16	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 16:16	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 16:16	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 16:16	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 16:16	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-51
Date Collected: 08/08/24 14:20
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 16:16	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 16:16	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 16:16	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 16:16	1
Naphthalene	ND		2.0	0.24	ug/L			08/22/24 16:16	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 16:16	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 16:16	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 16:16	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 16:16	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 16:16	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 16:16	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 16:16	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 16:16	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 16:16	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 16:16	1
Xylenes, Total	**0.38**	**J**	1.5	0.37	ug/L			08/22/24 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*08/22/24 16:16*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/22/24 16:16*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*08/22/24 16:16*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/22/24 16:16*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	41	ug/L		08/13/24 07:08	08/26/24 20:46	1
1,2-Dichlorobenzene	ND		50	50	ug/L		08/13/24 07:08	08/26/24 20:46	1
1,3-Dichlorobenzene	ND		60	57	ug/L		08/13/24 07:08	08/26/24 20:46	1
1,4-Dichlorobenzene	ND		60	51	ug/L		08/13/24 07:08	08/26/24 20:46	1
1-Methylnaphthalene	ND		50	43	ug/L		08/13/24 07:08	08/26/24 20:46	1
2,4,5-Trichlorophenol	ND		50	26	ug/L		08/13/24 07:08	08/26/24 20:46	1
2,4,6-Trichlorophenol	ND		50	22	ug/L		08/13/24 07:08	08/26/24 20:46	1
2,4-Dichlorophenol	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:46	1
2,4-Dimethylphenol	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
2,4-Dinitrophenol	ND		150	140	ug/L		08/13/24 07:08	08/26/24 20:46	1
2,4-Dinitrotoluene	ND	*-	25	25	ug/L		08/13/24 07:08	08/26/24 20:46	1
2,6-Dinitrotoluene	ND		50	39	ug/L		08/13/24 07:08	08/26/24 20:46	1
2-Chloronaphthalene	ND		50	44	ug/L		08/13/24 07:08	08/26/24 20:46	1
2-Chlorophenol	ND		100	53	ug/L		08/13/24 07:08	08/26/24 20:46	1
2-Methylnaphthalene	ND		25	14	ug/L		08/13/24 07:08	08/26/24 20:46	1
2-Methylphenol	ND		50	23	ug/L		08/13/24 07:08	08/26/24 20:46	1
2-Nitroaniline	ND		50	28	ug/L		08/13/24 07:08	08/26/24 20:46	1
2-Nitrophenol	ND		50	22	ug/L		08/13/24 07:08	08/26/24 20:46	1
3 & 4 Methylphenol	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
3,3'-Dichlorobenzidine	ND		50	31	ug/L		08/13/24 07:08	08/26/24 20:46	1
3-Nitroaniline	ND		100	75	ug/L		08/13/24 07:08	08/26/24 20:46	1
4,6-Dinitro-2-methylphenol	ND		100	95	ug/L		08/13/24 07:08	08/26/24 20:46	1
4-Bromophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:46	1
4-Chloro-3-methylphenol	ND	*-	25	23	ug/L		08/13/24 07:08	08/26/24 20:46	1
4-Chloroaniline	ND		25	23	ug/L		08/13/24 07:08	08/26/24 20:46	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-51
Date Collected: 08/08/24 14:20
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-7
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:46	1
4-Nitroaniline	ND		25	23	ug/L		08/13/24 07:08	08/26/24 20:46	1
4-Nitrophenol	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:46	1
Acenaphthene	ND	*-	50	39	ug/L		08/13/24 07:08	08/26/24 20:46	1
Acenaphthylene	ND		25	23	ug/L		08/13/24 07:08	08/26/24 20:46	1
Aniline	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:46	1
Anthracene	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:46	1
Azobenzene	ND		50	19	ug/L		08/13/24 07:08	08/26/24 20:46	1
Benzo[a]anthracene	ND		50	34	ug/L		08/13/24 07:08	08/26/24 20:46	1
Benzo[a]pyrene	ND		25	25	ug/L		08/13/24 07:08	08/26/24 20:46	1
Benzo[b]fluoranthene	ND		50	29	ug/L		08/13/24 07:08	08/26/24 20:46	1
Benzo[g,h,i]perylene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
Benzo[k]fluoranthene	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
Benzoic acid	ND		100	76	ug/L		08/13/24 07:08	08/26/24 20:46	1
Benzyl alcohol	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
Bis(2-ethylhexyl) phthalate	ND		50	49	ug/L		08/13/24 07:08	08/26/24 20:46	1
bis (2-Chloroisopropyl) ether	ND		25	18	ug/L		08/13/24 07:08	08/26/24 20:46	1
Bis(2-chloroethoxy)methane	ND		50	22	ug/L		08/13/24 07:08	08/26/24 20:46	1
Bis(2-chloroethyl)ether	ND		50	25	ug/L		08/13/24 07:08	08/26/24 20:46	1
Butyl benzyl phthalate	ND		50	32	ug/L		08/13/24 07:08	08/26/24 20:46	1
Carbazole	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:46	1
Chrysene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
Di-n-butyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:46	1
Di-n-octyl phthalate	ND		50	38	ug/L		08/13/24 07:08	08/26/24 20:46	1
Dibenz(a,h)anthracene	ND		50	34	ug/L		08/13/24 07:08	08/26/24 20:46	1
Dibenzofuran	ND		50	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
Diethyl phthalate	ND		50	28	ug/L		08/13/24 07:08	08/26/24 20:46	1
Dimethyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:46	1
Fluoranthene	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:46	1
Fluorene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
Hexachlorobenzene	ND		100	23	ug/L		08/13/24 07:08	08/26/24 20:46	1
Hexachlorobutadiene	ND		100	57	ug/L		08/13/24 07:08	08/26/24 20:46	1
Hexachlorocyclopentadiene	ND		100	45	ug/L		08/13/24 07:08	08/26/24 20:46	1
Hexachloroethane	ND		100	55	ug/L		08/13/24 07:08	08/26/24 20:46	1
Indeno[1,2,3-cd]pyrene	ND		50	27	ug/L		08/13/24 07:08	08/26/24 20:46	1
Isophorone	ND		25	22	ug/L		08/13/24 07:08	08/26/24 20:46	1
N-Nitrosodi-n-propylamine	ND		25	19	ug/L		08/13/24 07:08	08/26/24 20:46	1
N-Nitrosodimethylamine	ND		25	16	ug/L		08/13/24 07:08	08/26/24 20:46	1
N-Nitrosodiphenylamine	ND		50	26	ug/L		08/13/24 07:08	08/26/24 20:46	1
Naphthalene	ND		25	17	ug/L		08/13/24 07:08	08/26/24 20:46	1
Nitrobenzene	ND		25	18	ug/L		08/13/24 07:08	08/26/24 20:46	1
Pentachlorophenol	ND		100	76	ug/L		08/13/24 07:08	08/26/24 20:46	1
Phenanthrene	ND		25	24	ug/L		08/13/24 07:08	08/26/24 20:46	1
Phenol	ND	*-	50	19	ug/L		08/13/24 07:08	08/26/24 20:46	1
Pyrene	ND	*- *1	50	26	ug/L		08/13/24 07:08	08/26/24 20:46	1
Pyridine	ND		100	13	ug/L		08/13/24 07:08	08/26/24 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*14*	*S1-*	*15 - 130*	*08/13/24 07:08*	*08/26/24 20:46*	*1*
2-Fluorophenol (Surr)	*19*		*15 - 130*	*08/13/24 07:08*	*08/26/24 20:46*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-51
Date Collected: 08/08/24 14:20
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-7
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*25*		*15 - 130*	*08/13/24 07:08*	*08/26/24 20:46*	*1*
Nitrobenzene-d5 (Surr)	*23*	*S1-*	*29 - 130*	*08/13/24 07:08*	*08/26/24 20:46*	*1*
2-Fluorobiphenyl (Surr)	*22*		*20 - 130*	*08/13/24 07:08*	*08/26/24 20:46*	*1*
p-Terphenyl-d14 (Surr)	*30*	*S1-*	*41 - 130*	*08/13/24 07:08*	*08/26/24 20:46*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*15 - 270*		*08/14/24 21:01*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/14/24 07:00	08/21/24 06:45	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*84*		*33 - 159*	*08/14/24 07:00*	*08/21/24 06:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			08/09/24 15:52	1
Nitrate	**1.1**		0.10		mg/L			08/09/24 15:52	1
Chloride	**4.7**		0.50		mg/L			08/09/24 15:52	1
Nitrite	ND		0.10		mg/L			08/09/24 15:52	1
Orthophosphate as P	ND		0.50		mg/L			08/09/24 15:52	1
Sulfate	**98**		10		mg/L			08/09/24 16:04	20
Fluoride	**1.2**		0.10		mg/L			08/09/24 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**70**		1.0	0.089	mg/L			08/15/24 10:38	1
Iron	ND		0.020	0.017	mg/L			08/15/24 10:38	1
Magnesium	**13**		1.0	0.098	mg/L			08/15/24 10:38	1
Manganese	**0.69**		0.0020	0.00032	mg/L			08/15/24 10:38	1
Potassium	**1.2**		1.0	0.13	mg/L			08/15/24 10:38	1
Sodium	**29**		1.0	0.30	mg/L			08/15/24 10:38	1
Zinc	**0.025**		0.020	0.0049	mg/L			08/15/24 10:38	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0054**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:10	5
Barium	**0.083**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:10	5
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:10	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:10	5
Lead	ND		0.010	0.0060	mg/L		08/14/24 13:52	08/26/24 15:34	10
Selenium	ND		0.0050	0.0040	mg/L		08/14/24 13:52	08/23/24 13:10	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:57	5

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-51
Date Collected: 08/08/24 14:20
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-7
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:46	20
Barium	**0.087**		0.020	0.010	mg/L			09/06/24 11:46	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:46	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:46	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:46	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:46	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 11:46	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:46	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 11:46	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+ F1 F2	0.0010	0.00060	mg/L		08/13/24 10:51	08/15/24 10:15	5

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**180**		20	20	mg/L			08/22/24 03:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**		20	20	mg/L			08/22/24 03:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 03:01	1
Carbon dioxide (SM 4500 CO2 D)	**160**	**HF**	23	23	mg/L			08/22/24 03:01	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: Trip Blank

Date Collected: 08/08/24 00:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 16:45	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 16:45	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 16:45	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 16:45	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 16:45	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 16:45	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 16:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 16:45	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 16:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 16:45	1
1,2,4-Trimethylbenzene	**0.28**	**J**	1.0	0.12	ug/L			08/22/24 16:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 16:45	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 16:45	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 16:45	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 16:45	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 16:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 16:45	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 16:45	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 16:45	1
1,4-Dichlorobenzene	**0.36**	**J**	1.0	0.10	ug/L			08/22/24 16:45	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 16:45	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 16:45	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 16:45	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 16:45	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 16:45	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 16:45	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 16:45	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 16:45	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 16:45	1
Acetone	ND		10	2.5	ug/L			08/22/24 16:45	1
Benzene	ND		1.0	0.23	ug/L			08/22/24 16:45	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 16:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 16:45	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 16:45	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 16:45	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 16:45	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 16:45	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 16:45	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 16:45	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 16:45	1
Chloroform	ND		1.0	0.25	ug/L			08/22/24 16:45	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 16:45	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 16:45	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 16:45	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 16:45	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 16:45	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 16:45	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 16:45	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 16:45	1

Client Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: Trip Blank

Date Collected: 08/08/24 00:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 16:45	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 16:45	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 16:45	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 16:45	1
Naphthalene	ND		2.0	0.24	ug/L			08/22/24 16:45	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 16:45	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 16:45	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 16:45	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 16:45	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 16:45	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 16:45	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 16:45	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 16:45	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 16:45	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 16:45	1
Xylenes, Total	**0.47**	**J**	1.5	0.37	ug/L			08/22/24 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*08/22/24 16:45*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/22/24 16:45*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*08/22/24 16:45*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/22/24 16:45*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10760/4
Matrix: Water
Analysis Batch: 10760

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 11:00	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 11:00	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 11:00	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 11:00	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 11:00	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 11:00	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 11:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 11:00	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 11:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 11:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/22/24 11:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 11:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 11:00	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 11:00	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 11:00	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 11:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 11:00	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 11:00	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 11:00	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/22/24 11:00	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 11:00	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 11:00	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 11:00	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 11:00	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 11:00	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 11:00	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 11:00	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 11:00	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 11:00	1
Acetone	ND		10	2.5	ug/L			08/22/24 11:00	1
Benzene	ND		1.0	0.23	ug/L			08/22/24 11:00	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 11:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 11:00	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 11:00	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 11:00	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 11:00	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 11:00	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 11:00	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 11:00	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 11:00	1
Chloroform	ND		1.0	0.25	ug/L			08/22/24 11:00	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 11:00	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 11:00	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 11:00	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 11:00	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 11:00	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 11:00	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 11:00	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

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

Lab Sample ID: MB 885-10760/4
Matrix: Water
Analysis Batch: 10760

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 11:00	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 11:00	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 11:00	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 11:00	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 11:00	1
Naphthalene	ND		2.0	0.24	ug/L			08/22/24 11:00	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 11:00	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 11:00	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 11:00	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 11:00	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 11:00	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 11:00	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 11:00	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 11:00	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 11:00	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 11:00	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/22/24 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*08/22/24 11:00*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/22/24 11:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*08/22/24 11:00*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/22/24 11:00*	*1*

Lab Sample ID: LCS 885-10760/3
Matrix: Water
Analysis Batch: 10760

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.5		ug/L		97	70 - 130
Benzene	20.1	20.5		ug/L		102	70 - 130
Chlorobenzene	20.1	21.0		ug/L		105	70 - 130
Toluene	20.2	20.7		ug/L		103	70 - 130
Trichloroethene (TCE)	20.2	19.0		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

Lab Sample ID: 885-9543-3 MS
Matrix: Water
Analysis Batch: 10760

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		20.1	20.4		ug/L		101	70 - 130
Benzene	ND		20.1	20.9		ug/L		104	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

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

Lab Sample ID: 885-9543-3 MS
Matrix: Water
Analysis Batch: 10760

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	ND		20.1	20.8		ug/L		103	70 - 130
Toluene	ND		20.2	20.7		ug/L		103	70 - 130
Trichloroethene (TCE)	ND		20.2	19.4		ug/L		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*

Lab Sample ID: 885-9543-3 MSD
Matrix: Water
Analysis Batch: 10760

Client Sample ID: MW-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.1	19.3		ug/L		96	70 - 130	5	20
Benzene	ND		20.1	20.0		ug/L		100	70 - 130	5	20
Chlorobenzene	ND		20.1	20.2		ug/L		101	70 - 130	3	20
Toluene	ND		20.2	20.2		ug/L		100	70 - 130	3	20
Trichloroethene (TCE)	ND		20.2	18.8		ug/L		93	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 885-10869/4
Matrix: Water
Analysis Batch: 10869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 12:13	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 12:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 12:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 12:13	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 12:13	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 12:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 12:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 12:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 12:13	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 12:13	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

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

Lab Sample ID: MB 885-10869/4
Matrix: Water
Analysis Batch: 10869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 12:13	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 12:13	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 12:13	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 12:13	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 12:13	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 12:13	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 12:13	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 12:13	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 12:13	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 12:13	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 12:13	1
Acetone	ND		10	2.5	ug/L			08/23/24 12:13	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 12:13	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 12:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 12:13	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 12:13	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 12:13	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 12:13	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 12:13	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 12:13	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 12:13	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 12:13	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 12:13	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 12:13	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 12:13	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 12:13	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 12:13	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 12:13	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 12:13	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 12:13	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 12:13	1
Naphthalene	0.325	J	2.0	0.24	ug/L			08/23/24 12:13	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 12:13	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 12:13	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 12:13	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 12:13	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 12:13	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 12:13	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 12:13	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 12:13	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*08/23/24 12:13*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/23/24 12:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/23/24 12:13*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/23/24 12:13*	*1*

Lab Sample ID: LCS 885-10869/3
Matrix: Water
Analysis Batch: 10869

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.9		ug/L		99	70 - 130
Benzene	20.1	20.3		ug/L		101	70 - 130
Chlorobenzene	20.1	20.7		ug/L		103	70 - 130
Toluene	20.2	20.5		ug/L		102	70 - 130
Trichloroethene (TCE)	20.2	19.2		ug/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10148/1-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,3-Dichlorobenzene	ND		12	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,4-Dichlorobenzene	ND		12	10	ug/L		08/13/24 07:08	08/26/24 17:09	1
1-Methylnaphthalene	ND		10	8.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dinitrophenol	ND		30	27	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Chloronaphthalene	ND		10	8.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Chlorophenol	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Methylphenol	ND		10	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Nitroaniline	ND		10	5.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Nitrophenol	ND		10	4.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
3-Nitroaniline	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		08/13/24 07:08	08/26/24 17:09	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-10148/1-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chloroaniline	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Nitroaniline	ND		5.0	4.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Nitrophenol	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Acenaphthene	ND		10	7.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Acenaphthylene	ND		5.0	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Aniline	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Anthracene	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Azobenzene	ND		10	3.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[a]anthracene	ND		10	6.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzoic acid	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzyl alcohol	ND		5.0	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		08/13/24 07:08	08/26/24 17:09	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
Carbazole	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Chrysene	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dibenzofuran	ND		10	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Diethyl phthalate	ND		10	5.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dimethyl phthalate	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Fluoranthene	ND		10	5.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
Fluorene	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorobenzene	ND		20	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorobutadiene	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachloroethane	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Isophorone	ND		5.0	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
Naphthalene	ND		5.0	3.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Nitrobenzene	ND		5.0	3.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pentachlorophenol	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
Phenanthrene	ND		5.0	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Phenol	ND		10	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pyrene	ND		10	5.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pyridine	ND		20	2.6	ug/L		08/13/24 07:08	08/26/24 17:09	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	19		15 - 130	08/13/24 07:08	08/26/24 17:09	1
2-Fluorophenol (Surr)	25		15 - 130	08/13/24 07:08	08/26/24 17:09	1
2,4,6-Tribromophenol (Surr)	35		15 - 130	08/13/24 07:08	08/26/24 17:09	1
Nitrobenzene-d5 (Surr)	31		29 - 130	08/13/24 07:08	08/26/24 17:09	1
2-Fluorobiphenyl (Surr)	27		20 - 130	08/13/24 07:08	08/26/24 17:09	1
p-Terphenyl-d14 (Surr)	40	S1-	41 - 130	08/13/24 07:08	08/26/24 17:09	1

Lab Sample ID: LCS 885-10148/2-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	28.5		ug/L		28	22 - 130
1,4-Dichlorobenzene	100	26.3		ug/L		26	22 - 130
2,4-Dinitrotoluene	100	26.6	*-	ug/L		27	38 - 130
2-Chlorophenol	200	86.3		ug/L		43	38 - 130
4-Chloro-3-methylphenol	200	77.3	*-	ug/L		39	42 - 130
4-Nitrophenol	200	39.1		ug/L		20	16 - 130
Acenaphthene	100	33.5	*-	ug/L		33	39 - 130
N-Nitrosodi-n-propylamine	100	38.5		ug/L		38	38 - 130
Pentachlorophenol	200	66.7		ug/L		33	15 - 130
Phenol	200	49.0	*-	ug/L		25	27 - 130
Pyrene	100	36.8	*-	ug/L		37	65 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	25		15 - 130
2-Fluorophenol (Surr)	33		15 - 130
2,4,6-Tribromophenol (Surr)	41		15 - 130
Nitrobenzene-d5 (Surr)	42		29 - 130
2-Fluorobiphenyl (Surr)	37		20 - 130
p-Terphenyl-d14 (Surr)	41		41 - 130

Lab Sample ID: LCSD 885-10148/3-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10148

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	33.8		ug/L		34	22 - 130	17	42
1,4-Dichlorobenzene	100	31.2		ug/L		31	22 - 130	17	44
2,4-Dinitrotoluene	100	34.3	*-	ug/L		34	38 - 130	25	39
2-Chlorophenol	200	101		ug/L		50	38 - 130	15	65
4-Chloro-3-methylphenol	200	96.3		ug/L		48	42 - 130	22	48
4-Nitrophenol	200	51.8		ug/L		26	16 - 130	28	55
Acenaphthene	100	40.2		ug/L		40	39 - 130	18	45
N-Nitrosodi-n-propylamine	100	47.0		ug/L		47	38 - 130	20	44
Pentachlorophenol	200	81.4		ug/L		41	15 - 130	20	55
Phenol	200	59.1		ug/L		30	27 - 130	19	49
Pyrene	100	48.9	*- *1	ug/L		49	65 - 130	28	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	31		15 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 885-10148/3-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10148

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol (Surr)	41		15 - 130
2,4,6-Tribromophenol (Surr)	52		15 - 130
Nitrobenzene-d5 (Surr)	50		29 - 130
2-Fluorobiphenyl (Surr)	40		20 - 130
p-Terphenyl-d14 (Surr)	58		41 - 130

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10322/21
Matrix: Water
Analysis Batch: 10322

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/14/24 14:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 270		08/14/24 14:12	1

Lab Sample ID: LCS 885-10322/23
Matrix: Water
Analysis Batch: 10322

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	0.500	0.512		mg/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	210		15 - 270

Lab Sample ID: MB 885-10415/7
Matrix: Water
Analysis Batch: 10415

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/15/24 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 270		08/15/24 12:21	1

Lab Sample ID: LCS 885-10415/6
Matrix: Water
Analysis Batch: 10415

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	0.500	0.484		mg/L		97	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-10415/6
Matrix: Water
Analysis Batch: 10415

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	194		15 - 270

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-10235/1-A
Matrix: Water
Analysis Batch: 10596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.0721	J	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 01:52	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 01:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		33 - 159	08/14/24 07:00	08/21/24 01:52	1

Lab Sample ID: LCS 885-10235/2-A
Matrix: Water
Analysis Batch: 10596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	0.114	J	mg/L		61	33 - 149		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	87		33 - 159

Lab Sample ID: LCSD 885-10235/3-A
Matrix: Water
Analysis Batch: 10596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10235

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	0.100	J	mg/L		53	33 - 149	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	90		33 - 159

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10064/4
Matrix: Water
Analysis Batch: 10064

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			08/09/24 13:22	1
Chloride	ND		0.50		mg/L			08/09/24 13:22	1
Sulfate	ND		0.50		mg/L			08/09/24 13:22	1
Fluoride	ND		0.10		mg/L			08/09/24 13:22	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-10064/5
Matrix: Water
Analysis Batch: 10064

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.39		mg/L		96	90 - 110
Chloride	5.00	4.78		mg/L		96	90 - 110
Sulfate	10.0	9.38		mg/L		94	90 - 110
Fluoride	0.500	0.521		mg/L		104	90 - 110

Lab Sample ID: MRL 885-10064/3
Matrix: Water
Analysis Batch: 10064

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.107		mg/L		107	50 - 150
Chloride	0.500	0.526		mg/L		105	50 - 150
Sulfate	0.500	0.534		mg/L		107	50 - 150
Fluoride	0.100	0.121		mg/L		121	50 - 150

Lab Sample ID: MB 885-10065/4
Matrix: Water
Analysis Batch: 10065

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10		mg/L			08/09/24 13:22	1
Nitrite	ND		0.10		mg/L			08/09/24 13:22	1
Orthophosphate as P	ND		0.50		mg/L			08/09/24 13:22	1

Lab Sample ID: LCS 885-10065/5
Matrix: Water
Analysis Batch: 10065

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.52		mg/L		101	90 - 110
Nitrite	1.00	0.955		mg/L		96	90 - 110
Orthophosphate as P	5.00	4.87		mg/L		97	90 - 110

Lab Sample ID: MRL 885-10065/3
Matrix: Water
Analysis Batch: 10065

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.0926	J	mg/L		93	50 - 150
Nitrite	0.0999	0.0898	J	mg/L		90	50 - 150
Orthophosphate as P	0.500	0.569		mg/L		114	50 - 150

Lab Sample ID: MB 885-10158/10
Matrix: Water
Analysis Batch: 10158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			08/12/24 09:56	1
Chloride	ND		0.50		mg/L			08/12/24 09:56	1
Sulfate	ND		0.50		mg/L			08/12/24 09:56	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-10158/10
Matrix: Water
Analysis Batch: 10158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.10		mg/L			08/12/24 09:56	1

Lab Sample ID: MB 885-10158/57
Matrix: Water
Analysis Batch: 10158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10		mg/L			08/12/24 21:43	1
Chloride	ND		0.50		mg/L			08/12/24 21:43	1
Sulfate	ND		0.50		mg/L			08/12/24 21:43	1
Fluoride	ND		0.10		mg/L			08/12/24 21:43	1

Lab Sample ID: LCS 885-10158/58
Matrix: Water
Analysis Batch: 10158

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.35		mg/L		94	90 - 110
Chloride	5.00	4.67		mg/L		93	90 - 110
Sulfate	10.0	9.50		mg/L		95	90 - 110
Fluoride	0.500	0.524		mg/L		105	90 - 110

Lab Sample ID: MRL 885-10158/18
Matrix: Water
Analysis Batch: 10158

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.104		mg/L		104	50 - 150
Chloride	0.500	0.520		mg/L		104	50 - 150
Sulfate	0.500	0.527		mg/L		105	50 - 150
Fluoride	0.100	0.0938	J	mg/L		94	50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-10356/27
Matrix: Water
Analysis Batch: 10356

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			08/15/24 08:23	1
Iron	ND		0.020	0.017	mg/L			08/15/24 08:23	1
Magnesium	ND		1.0	0.098	mg/L			08/15/24 08:23	1
Manganese	ND		0.0020	0.00032	mg/L			08/15/24 08:23	1
Potassium	ND		1.0	0.13	mg/L			08/15/24 08:23	1
Sodium	ND		1.0	0.30	mg/L			08/15/24 08:23	1
Zinc	ND		0.020	0.0049	mg/L			08/15/24 08:23	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

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

Lab Sample ID: LCS 885-10356/29
Matrix: Water
Analysis Batch: 10356

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	51.7		mg/L		103	80 - 120
Iron	0.500	0.500		mg/L		100	80 - 120
Magnesium	50.0	52.2		mg/L		104	80 - 120
Manganese	0.500	0.464		mg/L		93	80 - 120
Potassium	50.0	50.7		mg/L		101	80 - 120
Sodium	50.0	49.6		mg/L		99	80 - 120
Zinc	0.500	0.480		mg/L		96	80 - 120

Lab Sample ID: MRL 885-10356/24
Matrix: Water
Analysis Batch: 10356

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.529	J	mg/L		106	50 - 150
Iron	0.0200	ND		mg/L		96	50 - 150
Magnesium	0.500	0.553	J	mg/L		111	50 - 150
Manganese	0.00200	0.00198	J	mg/L		99	50 - 150
Potassium	0.500	0.510	J	mg/L		102	50 - 150
Sodium	0.500	ND		mg/L		67	50 - 150
Zinc	0.0100	0.0138	J	mg/L		138	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-10851/9
Matrix: Water
Analysis Batch: 10851

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.00100	0.00108		mg/L		108	70 - 130

Lab Sample ID: MRL 885-10939/9
Matrix: Water
Analysis Batch: 10939

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00110		mg/L		110	70 - 130
Barium	0.00100	0.00109		mg/L		109	70 - 130
Cadmium	0.00100	0.000936	J	mg/L		94	70 - 130
Chromium	0.00100	0.00105		mg/L		105	70 - 130
Lead	0.00100	0.00104		mg/L		104	70 - 130
Selenium	0.00100	0.00103		mg/L		103	70 - 130
Silver	0.00100	0.00107		mg/L		107	70 - 130

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00114		mg/L		114	70 - 130
Barium	0.00100	0.00110		mg/L		110	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.000979	J	mg/L		98	70 - 130
Lead	0.00100	0.000995	J	mg/L		100	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

Lab Sample ID: MRL 885-11165/9
Matrix: Water
Analysis Batch: 11165

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000935	J	mg/L		94	70 - 130
Barium	0.00100	0.000997	J	mg/L		100	70 - 130
Cadmium	0.00100	0.00107		mg/L		107	70 - 130
Chromium	0.00100	0.00100		mg/L		100	70 - 130
Lead	0.00100	0.00112		mg/L		112	70 - 130
Selenium	0.00100	0.00115		mg/L		115	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130

Lab Sample ID: MRL 885-11282/9
Matrix: Water
Analysis Batch: 11282

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00105		mg/L		105	70 - 130
Barium	0.00100	0.000980	J	mg/L		98	70 - 130
Cadmium	0.00100	0.000819	J	mg/L		82	70 - 130
Chromium	0.00100	0.000994	J	mg/L		99	70 - 130
Lead	0.00100	0.000974	J	mg/L		97	70 - 130
Selenium	0.00100	0.000864	J	mg/L		86	70 - 130
Silver	0.00100	0.00128		mg/L		128	70 - 130

Lab Sample ID: MB 885-11856/15
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 09:57	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-11856/25
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Copper	0.0500	0.0506		mg/L		101	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0482		mg/L		96	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120
Uranium	0.0500	0.0530		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0496		mg/L		99	80 - 120	0	20
Barium	0.0500	0.0520		mg/L		104	80 - 120	1	20
Cadmium	0.0500	0.0509		mg/L		102	80 - 120	0	20
Chromium	0.0500	0.0493		mg/L		99	80 - 120	0	20
Copper	0.0500	0.0509		mg/L		102	80 - 120	1	20
Lead	0.0500	0.0524		mg/L		105	80 - 120	0	20
Selenium	0.0500	0.0501		mg/L		100	80 - 120	1	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Uranium	0.0500	0.0525		mg/L		105	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000999	J	mg/L		100	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000858	J	mg/L		86	70 - 130
Chromium	0.00100	0.00107		mg/L		107	70 - 130
Copper	0.00100	0.00101		mg/L		101	70 - 130
Lead	0.00100	0.00113		mg/L		113	70 - 130
Selenium	0.00100	0.00118		mg/L		118	70 - 130
Silver	0.00100	0.00125		mg/L		125	70 - 130
Uranium	0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10427

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Lead	ND		0.0050	0.0030	mg/L		08/14/24 13:51	08/15/24 18:00	5

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10427

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10672

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/20/24 13:07	5
Selenium	ND		0.0050	0.0040	mg/L		08/14/24 13:51	08/20/24 13:07	5

Lab Sample ID: LCS 885-10281/3-A
Matrix: Water
Analysis Batch: 10427

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0542		mg/L		108	80 - 120
Cadmium	0.0500	0.0476		mg/L		95	80 - 120
Chromium	0.0500	0.0483		mg/L		97	80 - 120
Lead	0.0500	0.0514		mg/L		103	80 - 120
Silver	0.0250	0.0244		mg/L		97	80 - 120

Lab Sample ID: LCS 885-10281/3-A
Matrix: Water
Analysis Batch: 10672

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0550		mg/L		110	80 - 120
Selenium	0.0500	0.0501		mg/L		100	80 - 120

Lab Sample ID: MB 885-10332/1-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.25	mg/L		08/15/24 11:30	08/22/24 11:17	10

Lab Sample ID: LCS 885-10332/3-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	2.50	2.34		mg/L		94	80 - 120

Lab Sample ID: LLCS 885-10332/2-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	ND		mg/L		98	

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-10176/9-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10176

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		66	50 - 150

Lab Sample ID: MRL 885-10176/9-A
Matrix: Water
Analysis Batch: 10352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10176

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		79	50 - 150

Lab Sample ID: MB 885-10181/1-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 14:07	1

Lab Sample ID: LCS 885-10181/3-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00527		mg/L		105	85 - 115

Lab Sample ID: LLCS 885-10181/2-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10181

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		73	50 - 150

Lab Sample ID: MRL 885-10513/9-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10513

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000148	J	mg/L		98	50 - 150

Lab Sample ID: MB 885-10516/1-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:56	08/21/24 10:18	1

Lab Sample ID: LCS 885-10516/3-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00558		mg/L		112	85 - 115

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LLCS 885-10516/2-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.000150	0.000150	J	mg/L		100	50 - 150		

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-10833/2
Matrix: Water
Analysis Batch: 10833

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/21/24 11:34	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/21/24 11:34	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/21/24 11:34	1

Lab Sample ID: MB 885-10833/49
Matrix: Water
Analysis Batch: 10833

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/22/24 02:01	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/22/24 02:01	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/22/24 02:01	1

Lab Sample ID: LCS 885-10833/3
Matrix: Water
Analysis Batch: 10833

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			84.8	77.5		mg/L		91	90 - 110		

Lab Sample ID: LCS 885-10833/50
Matrix: Water
Analysis Batch: 10833

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			84.8	78.0		mg/L		92	90 - 110		

Lab Sample ID: MRL 885-10833/1
Matrix: Water
Analysis Batch: 10833

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			21.2	21.7		mg/L		102	50 - 150		

Lab Sample ID: 885-9543-5 DU
Matrix: Water
Analysis Batch: 10833

Client Sample ID: MW-64
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	290			284		mg/L				0.6	20
Bicarbonate Alkalinity as CaCO3	290			284		mg/L				0.6	

QC Sample Results

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 885-9543-5 DU
Matrix: Water
Analysis Batch: 10833

Client Sample ID: MW-64
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Carbonate Alkalinity as CaCO3	ND			ND		mg/L				NC	

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-10838/49
Matrix: Water
Analysis Batch: 10838

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/22/24 02:01	1

Lab Sample ID: 885-9543-5 DU
Matrix: Water
Analysis Batch: 10838

Client Sample ID: MW-64
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Carbon dioxide	260	HF		254		mg/L				0.7	

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

GC/MS VOA

Analysis Batch: 10760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-1	MW-40	Total/NA	Water	8260B	
885-9543-2	DUPE-A	Total/NA	Water	8260B	
885-9543-3	MW-27	Total/NA	Water	8260B	
885-9543-5	MW-64	Total/NA	Water	8260B	
885-9543-6	MW-50	Total/NA	Water	8260B	
885-9543-7	MW-51	Total/NA	Water	8260B	
885-9543-8	Trip Blank	Total/NA	Water	8260B	
MB 885-10760/4	Method Blank	Total/NA	Water	8260B	
LCS 885-10760/3	Lab Control Sample	Total/NA	Water	8260B	
885-9543-3 MS	MW-27	Total/NA	Water	8260B	
885-9543-3 MSD	MW-27	Total/NA	Water	8260B	

Analysis Batch: 10869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-4	MW-33	Total/NA	Water	8260B	
MB 885-10869/4	Method Blank	Total/NA	Water	8260B	
LCS 885-10869/3	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 10148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-6	MW-50	Total/NA	Water	3510C	
885-9543-7	MW-51	Total/NA	Water	3510C	
MB 885-10148/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10148/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10148/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 10960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-6	MW-50	Total/NA	Water	8270C	10148
885-9543-7	MW-51	Total/NA	Water	8270C	10148
MB 885-10148/1-A	Method Blank	Total/NA	Water	8270C	10148
LCS 885-10148/2-A	Lab Control Sample	Total/NA	Water	8270C	10148
LCSD 885-10148/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	10148

GC VOA

Analysis Batch: 10322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-4	MW-33	Total/NA	Water	8015M/D	
885-9543-5	MW-64	Total/NA	Water	8015M/D	
885-9543-6	MW-50	Total/NA	Water	8015M/D	
885-9543-7	MW-51	Total/NA	Water	8015M/D	
MB 885-10322/21	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10322/23	Lab Control Sample	Total/NA	Water	8015M/D	

Analysis Batch: 10415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-1	MW-40	Total/NA	Water	8015M/D	
885-9543-2	DUPE-A	Total/NA	Water	8015M/D	
885-9543-3	MW-27	Total/NA	Water	8015M/D	

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

GC VOA (Continued)

Analysis Batch: 10415 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10415/7	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10415/6	Lab Control Sample	Total/NA	Water	8015M/D	

GC Semi VOA

Prep Batch: 10235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-1	MW-40	Total/NA	Water	3510C	
885-9543-2	DUPE-A	Total/NA	Water	3510C	
885-9543-3	MW-27	Total/NA	Water	3510C	
885-9543-4	MW-33	Total/NA	Water	3510C	
885-9543-5	MW-64	Total/NA	Water	3510C	
885-9543-6	MW-50	Total/NA	Water	3510C	
885-9543-7	MW-51	Total/NA	Water	3510C	
MB 885-10235/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10235/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10235/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 10596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Total/NA	Water	8015M/D	10235
885-9543-4	MW-33	Total/NA	Water	8015M/D	10235
885-9543-5	MW-64	Total/NA	Water	8015M/D	10235
885-9543-6	MW-50	Total/NA	Water	8015M/D	10235
885-9543-7	MW-51	Total/NA	Water	8015M/D	10235
MB 885-10235/1-A	Method Blank	Total/NA	Water	8015M/D	10235
LCS 885-10235/2-A	Lab Control Sample	Total/NA	Water	8015M/D	10235
LCSD 885-10235/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	10235

Analysis Batch: 10666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-1	MW-40	Total/NA	Water	8015M/D	10235
885-9543-2	DUPE-A	Total/NA	Water	8015M/D	10235

HPLC/IC

Analysis Batch: 10064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-5	MW-64	Total/NA	Water	300.0	
885-9543-6	MW-50	Total/NA	Water	300.0	
885-9543-6	MW-50	Total/NA	Water	300.0	
885-9543-7	MW-51	Total/NA	Water	300.0	
885-9543-7	MW-51	Total/NA	Water	300.0	
MB 885-10064/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10064/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10064/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-5	MW-64	Total/NA	Water	300.0	
885-9543-5	MW-64	Total/NA	Water	300.0	
885-9543-6	MW-50	Total/NA	Water	300.0	

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

HPLC/IC (Continued)

Analysis Batch: 10065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-7	MW-51	Total/NA	Water	300.0	
MB 885-10065/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10065/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10065/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-5	MW-64	Total/NA	Water	300.0	
MB 885-10158/10	Method Blank	Total/NA	Water	300.0	
MB 885-10158/57	Method Blank	Total/NA	Water	300.0	
LCS 885-10158/58	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10158/18	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 10176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Total/NA	Water	7470A	
885-9543-5	MW-64	Total/NA	Water	7470A	
885-9543-6	MW-50	Total/NA	Water	7470A	
885-9543-7	MW-51	Total/NA	Water	7470A	
MB 885-10181/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10181/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10181/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 10281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Total Recoverable	Water	3005A	
885-9543-5	MW-64	Total Recoverable	Water	3005A	
885-9543-6	MW-50	Total Recoverable	Water	3005A	
885-9543-7	MW-51	Total Recoverable	Water	3005A	
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 10332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10332/1-A	Method Blank	Total Recoverable	Water	3050B	
LCS 885-10332/3-A	Lab Control Sample	Total Recoverable	Water	3050B	
LLCS 885-10332/2-A	Lab Control Sample	Total Recoverable	Water	3050B	

Analysis Batch: 10351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Total/NA	Water	7470A	10181
885-9543-5	MW-64	Total/NA	Water	7470A	10181
885-9543-6	MW-50	Total/NA	Water	7470A	10181
MB 885-10181/1-A	Method Blank	Total/NA	Water	7470A	10181
LCS 885-10181/3-A	Lab Control Sample	Total/NA	Water	7470A	10181

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Metals (Continued)

Analysis Batch: 10351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 885-10181/2-A	Lab Control Sample	Total/NA	Water	7470A	10181
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	7470A	10176

Analysis Batch: 10352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-7	MW-51	Total/NA	Water	7470A	10181
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	7470A	10176

Analysis Batch: 10356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Dissolved	Water	6010B	
885-9543-3	MW-27	Dissolved	Water	6010B	
885-9543-3	MW-27	Dissolved	Water	6010B	
885-9543-5	MW-64	Dissolved	Water	6010B	
885-9543-5	MW-64	Dissolved	Water	6010B	
885-9543-5	MW-64	Dissolved	Water	6010B	
885-9543-6	MW-50	Dissolved	Water	6010B	
885-9543-6	MW-50	Dissolved	Water	6010B	
885-9543-7	MW-51	Dissolved	Water	6010B	
MB 885-10356/27	Method Blank	Total/NA	Water	6010B	
LCS 885-10356/29	Lab Control Sample	Total/NA	Water	6010B	
MRL 885-10356/24	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 10427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	6020A	10281
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10281

Prep Batch: 10513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Dissolved	Water	7470A	
885-9543-5	MW-64	Dissolved	Water	7470A	
885-9543-6	MW-50	Dissolved	Water	7470A	
885-9543-7	MW-51	Dissolved	Water	7470A	
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 10672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	6020A	10281
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10281

Analysis Batch: 10795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Dissolved	Water	7470A	10516
885-9543-5	MW-64	Dissolved	Water	7470A	10516

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Metals (Continued)

Analysis Batch: 10795 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-6	MW-50	Dissolved	Water	7470A	10516
885-9543-7	MW-51	Dissolved	Water	7470A	10516
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	10516
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	10516
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	10516
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	7470A	10513

Analysis Batch: 10851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Total Recoverable	Water	6020A	10281
885-9543-5	MW-64	Total Recoverable	Water	6020A	10281
885-9543-6	MW-50	Total Recoverable	Water	6020A	10281
885-9543-7	MW-51	Total Recoverable	Water	6020A	10281
MB 885-10332/1-A	Method Blank	Total Recoverable	Water	6020A	10332
LCS 885-10332/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10332
LLCS 885-10332/2-A	Lab Control Sample	Total Recoverable	Water	6020A	10332
MRL 885-10851/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 10939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-5	MW-64	Total Recoverable	Water	6020A	10281
885-9543-6	MW-50	Total Recoverable	Water	6020A	10281
885-9543-7	MW-51	Total Recoverable	Water	6020A	10281
MRL 885-10939/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-7	MW-51	Total Recoverable	Water	6020A	10281
MRL 885-11095/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Total Recoverable	Water	6020A	10281
MRL 885-11165/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Total Recoverable	Water	6020A	10281
885-9543-5	MW-64	Total Recoverable	Water	6020A	10281
885-9543-6	MW-50	Total Recoverable	Water	6020A	10281
MRL 885-11282/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-3	MW-27	Dissolved	Water	6020A	
885-9543-5	MW-64	Dissolved	Water	6020A	
885-9543-5	MW-64	Total Recoverable	Water	6020A	10281
885-9543-6	MW-50	Dissolved	Water	6020A	
885-9543-6	MW-50	Total Recoverable	Water	6020A	10281
885-9543-7	MW-51	Dissolved	Water	6020A	
MB 885-11856/15	Method Blank	Total/NA	Water	6020A	

QC Association Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Metals (Continued)

Analysis Batch: 11856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-11856/25	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/26	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 10833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-5	MW-64	Total/NA	Water	SM 2320B	
885-9543-6	MW-50	Total/NA	Water	SM 2320B	
885-9543-7	MW-51	Total/NA	Water	SM 2320B	
MB 885-10833/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-10833/49	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-10833/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-10833/50	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-10833/1	Lab Control Sample	Total/NA	Water	SM 2320B	
885-9543-5 DU	MW-64	Total/NA	Water	SM 2320B	

Analysis Batch: 10838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9543-5	MW-64	Total/NA	Water	SM 4500 CO2 D	
885-9543-6	MW-50	Total/NA	Water	SM 4500 CO2 D	
885-9543-7	MW-51	Total/NA	Water	SM 4500 CO2 D	
MB 885-10838/49	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-10838/50	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
885-9543-5 DU	MW-64	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-40
Date Collected: 08/08/24 09:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		100	10760	JR	EET ALB	08/22/24 12:26
Total/NA	Analysis	8015M/D		10	10415	RA	EET ALB	08/15/24 15:54
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		100	10666	KR	EET ALB	08/21/24 13:38

Client Sample ID: DUPE-A
Date Collected: 08/08/24 09:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		50	10760	JR	EET ALB	08/22/24 12:55
Total/NA	Analysis	8015M/D		10	10415	RA	EET ALB	08/15/24 16:41
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		50	10666	KR	EET ALB	08/21/24 12:50

Client Sample ID: MW-27
Date Collected: 08/08/24 09:35
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/22/24 13:24
Total/NA	Analysis	8015M/D		1	10415	RA	EET ALB	08/15/24 15:30
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 04:44
Dissolved	Analysis	6010B		1	10356	VP	EET ALB	08/15/24 10:16
Dissolved	Analysis	6010B		5	10356	VP	EET ALB	08/15/24 10:18
Dissolved	Analysis	6010B		20	10356	VP	EET ALB	08/15/24 11:03
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:23
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 11:56
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		10	11165	BV	EET ALB	08/27/24 12:58
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 14:47
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 11:48
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:28

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-33
Date Collected: 08/08/24 09:50
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10869	RA	EET ALB	08/23/24 12:42
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 19:51
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 05:08

Client Sample ID: MW-64
Date Collected: 08/08/24 10:25
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/22/24 15:19
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 20:15
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 05:32
Total/NA	Analysis	300.0		1	10064	JT	EET ALB	08/09/24 14:38
Total/NA	Analysis	300.0		1	10065	JT	EET ALB	08/09/24 14:38
Total/NA	Analysis	300.0		20	10065	JT	EET ALB	08/09/24 14:50
Total/NA	Analysis	300.0		50	10158	JT	EET ALB	08/13/24 06:22
Dissolved	Analysis	6010B		1	10356	VP	EET ALB	08/15/24 10:28
Dissolved	Analysis	6010B		5	10356	VP	EET ALB	08/15/24 10:30
Dissolved	Analysis	6010B		10	10356	VP	EET ALB	08/15/24 10:56
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:28
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 11:59
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 12:52
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 14:56
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11856	BV	EET ALB	09/06/24 14:03
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 11:51
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:31
Total/NA	Analysis	SM 2320B		1	10833	DL	EET ALB	08/22/24 02:17
Total/NA	Analysis	SM 4500 CO2 D		1	10838	DL	EET ALB	08/22/24 02:17

Client Sample ID: MW-50
Date Collected: 08/08/24 13:10
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/22/24 15:48

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-50
Date Collected: 08/08/24 13:10
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			10148	JM	EET ALB	08/13/24 07:08
Total/NA	Analysis	8270C		1	10960	MB	EET ALB	08/26/24 20:03
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 20:38
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 06:20
Total/NA	Analysis	300.0		1	10064	JT	EET ALB	08/09/24 15:27
Total/NA	Analysis	300.0		1	10065	JT	EET ALB	08/09/24 15:27
Total/NA	Analysis	300.0		20	10064	JT	EET ALB	08/09/24 15:39
Dissolved	Analysis	6010B		1	10356	VP	EET ALB	08/15/24 10:33
Dissolved	Analysis	6010B		5	10356	VP	EET ALB	08/15/24 10:35
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:32
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:02
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 13:06
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 15:01
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11856	BV	EET ALB	09/06/24 14:07
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 11:53
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:33
Total/NA	Analysis	SM 2320B		1	10833	DL	EET ALB	08/22/24 02:45
Total/NA	Analysis	SM 4500 CO2 D		1	10838	DL	EET ALB	08/22/24 02:45

Client Sample ID: MW-51
Date Collected: 08/08/24 14:20
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/22/24 16:16
Total/NA	Prep	3510C			10148	JM	EET ALB	08/13/24 07:08
Total/NA	Analysis	8270C		1	10960	MB	EET ALB	08/26/24 20:46
Total/NA	Analysis	8015M/D		1	10322	JP	EET ALB	08/14/24 21:01
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 06:45
Total/NA	Analysis	300.0		1	10064	JT	EET ALB	08/09/24 15:52
Total/NA	Analysis	300.0		1	10065	JT	EET ALB	08/09/24 15:52
Total/NA	Analysis	300.0		20	10064	JT	EET ALB	08/09/24 16:04
Dissolved	Analysis	6010B		1	10356	VP	EET ALB	08/15/24 10:38
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:46

Lab Chronicle

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Client Sample ID: MW-51
Date Collected: 08/08/24 14:20
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:57
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 13:10
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		10	11095	BV	EET ALB	08/26/24 15:34
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 11:56
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		5	10352	JR	EET ALB	08/15/24 10:15
Total/NA	Analysis	SM 2320B		1	10833	DL	EET ALB	08/22/24 03:01
Total/NA	Analysis	SM 4500 CO2 D		1	10838	DL	EET ALB	08/22/24 03:01

Client Sample ID: Trip Blank
Date Collected: 08/08/24 00:00
Date Received: 08/09/24 06:15

Lab Sample ID: 885-9543-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/22/24 16:45

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: BT

Job ID: 885-9543-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	bis (2-Chloroisopropyl) ether
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Chain-of-Custody Record

Client: Ensolum

Mailing Address: 776 E 2nd Ave
Durango, CO 81301

Phone #: 303-842-9578

email or Fax#:

QA/QC Package:
☐ Standard ☒ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: BT

Project #: 07A2015013

Project Manager: Dean Henemann

Sampler: Meredith Roberts

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.6 +0.2 = 3.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORA
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-9543 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO/DRO/MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	TPH (8015 DRO) GRO	Total Metals (1 for 1 unit)	Dissolved Metals	Alkalinity	Anions	CO_2
8/8/24	0900	GW	MW-40	various	various	1								X			X					
	0900		DUPE-A			2								X			X					
	0935		MW-27			3								X			X	X	X			
	0950		MW-33			4								X			X					
	1025		MW-64			5								X			X	X	X	X	X	X
	1310		MW-50			6								X	X		X	X	X	X	X	X
	1420		MW-51			7								X	X		X	X	X	X	X	X
8/8/24	1440		Trip Blank	3 VOA	HCl	8																

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/8/24	1506				8/8/24	1506
8/8/24	1720			courier	8/9/24	0:15

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-9543-1

Login Number: 9543 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

Generated 9/20/2024 3:01:44 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-9637-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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9/20/2024 3:01:44 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-9637-1

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

Definitions/Glossary

Client: Ensolum LLC Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-9637-1

Job ID: 885-9637-1 Eurofins Albuquerque

Job Narrative
885-9637-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/10/2024 6:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.8°C, 5.4°C and 5.9°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
Method 8260B: Sample was run on day zero of hold time. Reporting E flag on Methyl-tert-butyl Ether (MTBE).

DUP B (885-9637-9)

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

GC/MS Semi VOA
Method 8270C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-10148 and analytical batch 885-10960 recovered outside control limits for the following analytes: Pyrene. Confirming results with a re-extraction. Results confirmed on analytical batch 11507.

Method 8270C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-10148 and analytical batch 885-11060 recovered outside control limits for the following analytes: Pyrene. Re-extraction confirms original data with passing LCS and LCSD. Reporting original data.

Method 8270C: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-70 (885-9637-3). These results have been reported and qualified.

Method 8270C: The laboratory control sample (LCS) for preparation batch 885-10148 and analytical batch 885-11060 recovered outside control limits. The associated sample(s) was re-prepared and/or re-analyzed outside holding time.

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

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

Diesel Range Organics
Method 8015D_DRO_LL: The method blank for preparation batch 885-10235 and analytical batch 885-10596 contained Diesel Range Organics [C10-C28] above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank and there is insufficient sample volume remaining for re-extraction; therefore, re-extraction and/or re-analysis of samples was not performed. Results will be reported as is with flags and narration.

Method 8015D_DRO_LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-10250 and analytical batch 885-10844 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28].

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-9637-1

Job ID: 885-9637-1 (Continued) Eurofins Albuquerque

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

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

Metals
Method 6010B - Dissolved: The RL for cations (Ca, K, Mg, Na) is 1ppm, and therefore, the MRL is recovering within the recovery limits.

(MRL 885-12129/14)

Method 7470A: The continuing calibration verification (CCV) associated with batch 885-10351 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry
Method 2320B: Reanalysis of the following sample was performed outside of the analytical holding time due to Lab error, initial run in hold at full concentration exceeded RL: DUP B (885-9637-9).

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

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-68

Date Collected: 08/09/24 10:40
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 05:08	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 05:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 05:08	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 05:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 05:08	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 05:08	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 05:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 05:08	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 05:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 05:08	1
1,2,4-Trimethylbenzene	**0.26**	**J**	1.0	0.12	ug/L			08/23/24 05:08	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 05:08	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 05:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 05:08	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 05:08	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 05:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 05:08	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 05:08	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 05:08	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 05:08	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 05:08	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 05:08	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 05:08	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 05:08	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 05:08	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 05:08	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 05:08	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 05:08	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 05:08	1
Acetone	ND		10	2.5	ug/L			08/23/24 05:08	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 05:08	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 05:08	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 05:08	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 05:08	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 05:08	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 05:08	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 05:08	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 05:08	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 05:08	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 05:08	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 05:08	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 05:08	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 05:08	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 05:08	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 05:08	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 05:08	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 05:08	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 05:08	1
Isopropylbenzene	**0.22**	**J**	1.0	0.18	ug/L			08/23/24 05:08	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-68

Date Collected: 08/09/24 10:40
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 05:08	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 05:08	1
n-Butylbenzene	**0.35**	**J**	3.0	0.13	ug/L			08/23/24 05:08	1
N-Propylbenzene	**0.32**	**J**	1.0	0.11	ug/L			08/23/24 05:08	1
Naphthalene	**0.84**	**J**	2.0	0.24	ug/L			08/23/24 05:08	1
sec-Butylbenzene	**0.24**	**J**	1.0	0.14	ug/L			08/23/24 05:08	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 05:08	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 05:08	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 05:08	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 05:08	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 05:08	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 05:08	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 05:08	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 05:08	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 05:08	1
Xylenes, Total	**0.61**	**J**	1.5	0.37	ug/L			08/23/24 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*08/23/24 05:08*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/23/24 05:08*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*08/23/24 05:08*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/23/24 05:08*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 270*		*08/20/24 12:17*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.080**	**J B**	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 07:09	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*75*		*33 - 159*	*08/14/24 07:00*	*08/21/24 07:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.57**		0.10	0.050	mg/L			08/13/24 09:30	1
Chloride	**99**		10	5.0	mg/L			08/13/24 09:43	20
Nitrate Nitrite as N	**15**		1.0	0.11	mg/L			08/13/24 18:46	5
Orthophosphate as P	ND	H	0.50	0.25	mg/L			08/13/24 09:30	1
Sulfate	**370**		10	5.0	mg/L			08/13/24 09:43	20
Fluoride	**0.42**		0.10	0.046	mg/L			08/13/24 09:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		10	0.89	mg/L			09/12/24 07:44	10
Iron	ND		0.20	0.17	mg/L			09/09/24 16:56	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-68

Date Collected: 08/09/24 10:40
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-1
Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**35**		10	0.98	mg/L			09/09/24 16:56	10
Manganese	**0.0034**	**J**	0.020	0.0032	mg/L			09/09/24 16:56	10
Potassium	**7.8**	**J**	10	1.3	mg/L			09/12/24 07:44	10
Sodium	**150**		10	3.0	mg/L			09/12/24 07:44	10
Zinc	ND		0.20	0.049	mg/L			09/09/24 16:56	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:24	5
Barium	ND		0.10	0.050	mg/L		08/14/24 13:52	08/28/24 15:10	100
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:24	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:24	5
Lead	ND		0.10	0.060	mg/L		08/14/24 13:52	08/28/24 15:10	100
Selenium	**0.019**	**B**	0.0050	0.0040	mg/L		08/14/24 13:52	08/23/24 13:24	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:08	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:50	20
Barium	**0.040**		0.020	0.010	mg/L			09/06/24 11:50	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:50	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:50	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:50	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 11:50	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:50	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:50	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 11:50	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:52	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**140**		20	20	mg/L			08/22/24 17:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**140**		20	20	mg/L			08/22/24 17:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 17:16	1
Carbon dioxide (SM 4500 CO2 D)	**130**	**HF**	23	23	mg/L			08/22/24 17:16	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-67

Date Collected: 08/09/24 11:45
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 05:36	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 05:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 05:36	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 05:36	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 05:36	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 05:36	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 05:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 05:36	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 05:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 05:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 05:36	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 05:36	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 05:36	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 05:36	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 05:36	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 05:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 05:36	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 05:36	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 05:36	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 05:36	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 05:36	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 05:36	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 05:36	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 05:36	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 05:36	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 05:36	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 05:36	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 05:36	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 05:36	1
Acetone	ND		10	2.5	ug/L			08/23/24 05:36	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 05:36	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 05:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 05:36	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 05:36	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 05:36	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 05:36	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 05:36	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 05:36	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 05:36	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 05:36	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 05:36	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 05:36	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 05:36	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 05:36	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 05:36	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 05:36	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 05:36	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 05:36	1
Isopropylbenzene	**0.20**	**J**	1.0	0.18	ug/L			08/23/24 05:36	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-67

Date Collected: 08/09/24 11:45
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**1.6**		1.0	0.39	ug/L			08/23/24 05:36	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 05:36	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 05:36	1
N-Propylbenzene	**0.27**	**J**	1.0	0.11	ug/L			08/23/24 05:36	1
Naphthalene	**0.50**	**J**	2.0	0.24	ug/L			08/23/24 05:36	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 05:36	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 05:36	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 05:36	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 05:36	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 05:36	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 05:36	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 05:36	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 05:36	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 05:36	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 05:36	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*08/23/24 05:36*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/23/24 05:36*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*08/23/24 05:36*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*08/23/24 05:36*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 270*		*08/20/24 12:41*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.26**	**B**	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 07:33	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*33 - 159*	*08/14/24 07:00*	*08/21/24 07:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**0.24**		0.10	0.050	mg/L			08/13/24 10:45	1
Chloride	**17**		0.50	0.25	mg/L			08/13/24 10:45	1
Nitrate Nitrite as N	**4.0**		1.0	0.11	mg/L			08/13/24 18:59	5
Orthophosphate as P	ND	H	0.50	0.25	mg/L			08/13/24 10:45	1
Sulfate	**390**		10	5.0	mg/L			08/13/24 10:57	20
Fluoride	**0.94**		0.10	0.046	mg/L			08/13/24 10:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		10	0.89	mg/L			09/12/24 07:48	10
Iron	ND		0.20	0.17	mg/L			09/09/24 17:00	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-67

Date Collected: 08/09/24 11:45
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-2

Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**26**		10	0.98	mg/L			09/09/24 17:00	10
Manganese	**0.080**		0.020	0.0032	mg/L			09/09/24 17:00	10
Potassium	**3.6**		1.0	0.13	mg/L			09/12/24 07:46	1
Sodium	**85**		1.0	0.30	mg/L			09/12/24 07:46	1
Zinc	ND		0.20	0.049	mg/L			09/09/24 17:00	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:28	5
Barium	ND		0.10	0.050	mg/L		08/14/24 13:52	08/28/24 15:14	100
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:28	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:28	5
Lead	ND		0.10	0.060	mg/L		08/14/24 13:52	08/28/24 15:14	100
Selenium	**0.0093**	**B**	0.0050	0.0040	mg/L		08/14/24 13:52	08/23/24 13:28	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:12	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:55	20
Barium	**0.027**		0.020	0.010	mg/L			09/06/24 11:55	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:55	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:55	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:55	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 11:55	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:55	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:55	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 11:55	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:54	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**180**		20	20	mg/L			08/22/24 17:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**180**		20	20	mg/L			08/22/24 17:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 17:26	1
Carbon dioxide (SM 4500 CO2 D)	**170**	**HF**	23	23	mg/L			08/22/24 17:26	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-70

Date Collected: 08/09/24 12:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 06:05	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 06:05	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 06:05	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 06:05	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 06:05	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 06:05	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 06:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 06:05	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 06:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 06:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 06:05	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 06:05	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 06:05	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 06:05	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 06:05	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 06:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 06:05	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 06:05	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 06:05	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 06:05	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 06:05	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 06:05	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 06:05	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 06:05	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 06:05	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 06:05	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 06:05	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 06:05	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 06:05	1
Acetone	ND		10	2.5	ug/L			08/23/24 06:05	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 06:05	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 06:05	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 06:05	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 06:05	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 06:05	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 06:05	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 06:05	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 06:05	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 06:05	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 06:05	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 06:05	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 06:05	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 06:05	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 06:05	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 06:05	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 06:05	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 06:05	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 06:05	1
Isopropylbenzene	**0.18**	**J**	1.0	0.18	ug/L			08/23/24 06:05	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-70

Date Collected: 08/09/24 12:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**0.60**	**J**	1.0	0.39	ug/L			08/23/24 06:05	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 06:05	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 06:05	1
N-Propylbenzene	**0.25**	**J**	1.0	0.11	ug/L			08/23/24 06:05	1
Naphthalene	**0.40**	**J**	2.0	0.24	ug/L			08/23/24 06:05	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 06:05	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 06:05	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 06:05	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 06:05	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 06:05	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 06:05	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 06:05	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 06:05	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 06:05	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 06:05	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*08/23/24 06:05*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/23/24 06:05*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/23/24 06:05*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/23/24 06:05*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	41	ug/L		08/13/24 07:08	08/27/24 13:37	1
1,2-Dichlorobenzene	ND		50	50	ug/L		08/13/24 07:08	08/27/24 13:37	1
1,3-Dichlorobenzene	ND		60	57	ug/L		08/13/24 07:08	08/27/24 13:37	1
1,4-Dichlorobenzene	ND		60	51	ug/L		08/13/24 07:08	08/27/24 13:37	1
1-Methylnaphthalene	ND		50	43	ug/L		08/13/24 07:08	08/27/24 13:37	1
2,4,5-Trichlorophenol	ND		50	26	ug/L		08/13/24 07:08	08/27/24 13:37	1
2,4,6-Trichlorophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 13:37	1
2,4-Dichlorophenol	ND		25	19	ug/L		08/13/24 07:08	08/27/24 13:37	1
2,4-Dimethylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
2,4-Dinitrophenol	ND		150	140	ug/L		08/13/24 07:08	08/27/24 13:37	1
2,4-Dinitrotoluene	ND	*-	25	25	ug/L		08/13/24 07:08	08/27/24 13:37	1
2,6-Dinitrotoluene	ND		50	39	ug/L		08/13/24 07:08	08/27/24 13:37	1
2-Chloronaphthalene	ND		50	44	ug/L		08/13/24 07:08	08/27/24 13:37	1
2-Chlorophenol	ND		100	53	ug/L		08/13/24 07:08	08/27/24 13:37	1
2-Methylnaphthalene	ND		25	14	ug/L		08/13/24 07:08	08/27/24 13:37	1
2-Methylphenol	ND		50	23	ug/L		08/13/24 07:08	08/27/24 13:37	1
2-Nitroaniline	ND		50	28	ug/L		08/13/24 07:08	08/27/24 13:37	1
2-Nitrophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 13:37	1
3 & 4 Methylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
3,3'-Dichlorobenzidine	ND		50	31	ug/L		08/13/24 07:08	08/27/24 13:37	1
3-Nitroaniline	ND		100	75	ug/L		08/13/24 07:08	08/27/24 13:37	1
4,6-Dinitro-2-methylphenol	ND		100	95	ug/L		08/13/24 07:08	08/27/24 13:37	1
4-Bromophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 13:37	1
4-Chloro-3-methylphenol	ND	*-	25	23	ug/L		08/13/24 07:08	08/27/24 13:37	1
4-Chloroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 13:37	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-70
Date Collected: 08/09/24 12:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-3
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 13:37	1
4-Nitroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 13:37	1
4-Nitrophenol	ND		50	27	ug/L		08/13/24 07:08	08/27/24 13:37	1
Acenaphthene	ND	*-	50	39	ug/L		08/13/24 07:08	08/27/24 13:37	1
Acenaphthylene	ND		25	23	ug/L		08/13/24 07:08	08/27/24 13:37	1
Aniline	ND		50	27	ug/L		08/13/24 07:08	08/27/24 13:37	1
Anthracene	ND		25	19	ug/L		08/13/24 07:08	08/27/24 13:37	1
Azobenzene	ND		50	19	ug/L		08/13/24 07:08	08/27/24 13:37	1
Benzo[a]anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 13:37	1
Benzo[a]pyrene	ND		25	25	ug/L		08/13/24 07:08	08/27/24 13:37	1
Benzo[b]fluoranthene	ND		50	29	ug/L		08/13/24 07:08	08/27/24 13:37	1
Benzo[g,h,i]perylene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
Benzo[k]fluoranthene	ND		50	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
Benzoic acid	ND		100	76	ug/L		08/13/24 07:08	08/27/24 13:37	1
Benzyl alcohol	ND		25	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
Bis(2-ethylhexyl) phthalate	ND		50	49	ug/L		08/13/24 07:08	08/27/24 13:37	1
bis (2-Chloroisopropyl) ether	ND		25	18	ug/L		08/13/24 07:08	08/27/24 13:37	1
Bis(2-chloroethoxy)methane	ND		50	22	ug/L		08/13/24 07:08	08/27/24 13:37	1
Bis(2-chloroethyl)ether	ND		50	25	ug/L		08/13/24 07:08	08/27/24 13:37	1
Butyl benzyl phthalate	ND		50	32	ug/L		08/13/24 07:08	08/27/24 13:37	1
Carbazole	ND		50	27	ug/L		08/13/24 07:08	08/27/24 13:37	1
Chrysene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
Di-n-butyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 13:37	1
Di-n-octyl phthalate	ND		50	38	ug/L		08/13/24 07:08	08/27/24 13:37	1
Dibenz(a,h)anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 13:37	1
Dibenzofuran	ND		50	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
Diethyl phthalate	ND		50	28	ug/L		08/13/24 07:08	08/27/24 13:37	1
Dimethyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 13:37	1
Fluoranthene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 13:37	1
Fluorene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
Hexachlorobenzene	ND		100	23	ug/L		08/13/24 07:08	08/27/24 13:37	1
Hexachlorobutadiene	ND		100	57	ug/L		08/13/24 07:08	08/27/24 13:37	1
Hexachlorocyclopentadiene	ND		100	45	ug/L		08/13/24 07:08	08/27/24 13:37	1
Hexachloroethane	ND		100	55	ug/L		08/13/24 07:08	08/27/24 13:37	1
Indeno[1,2,3-cd]pyrene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 13:37	1
Isophorone	ND		25	22	ug/L		08/13/24 07:08	08/27/24 13:37	1
N-Nitrosodi-n-propylamine	ND		25	19	ug/L		08/13/24 07:08	08/27/24 13:37	1
N-Nitrosodimethylamine	ND		25	16	ug/L		08/13/24 07:08	08/27/24 13:37	1
N-Nitrosodiphenylamine	ND		50	26	ug/L		08/13/24 07:08	08/27/24 13:37	1
Naphthalene	ND		25	17	ug/L		08/13/24 07:08	08/27/24 13:37	1
Nitrobenzene	ND		25	18	ug/L		08/13/24 07:08	08/27/24 13:37	1
Pentachlorophenol	ND		100	76	ug/L		08/13/24 07:08	08/27/24 13:37	1
Phenanthrene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 13:37	1
Phenol	ND	*-	50	19	ug/L		08/13/24 07:08	08/27/24 13:37	1
Pyrene	ND	*- *1	50	26	ug/L		08/13/24 07:08	08/27/24 13:37	1
Pyridine	ND		100	13	ug/L		08/13/24 07:08	08/27/24 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*18*		*15 - 130*	*08/13/24 07:08*	*08/27/24 13:37*	*1*
2-Fluorophenol (Surr)	*24*		*15 - 130*	*08/13/24 07:08*	*08/27/24 13:37*	*1*

Eurofins Albuquerque

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-70
Date Collected: 08/09/24 12:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-3
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*27*		*15 - 130*	*08/13/24 07:08*	*08/27/24 13:37*	*1*
Nitrobenzene-d5 (Surr)	*30*		*29 - 130*	*08/13/24 07:08*	*08/27/24 13:37*	*1*
2-Fluorobiphenyl (Surr)	*26*		*20 - 130*	*08/13/24 07:08*	*08/27/24 13:37*	*1*
p-Terphenyl-d14 (Surr)	*31*	*S1-*	*41 - 130*	*08/13/24 07:08*	*08/27/24 13:37*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/20/24 13:04*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.19**	**J B**	0.21	0.075	mg/L		08/14/24 07:00	08/21/24 07:57	1
Motor Oil Range Organics [C28-C40]	ND		0.11	0.079	mg/L		08/14/24 07:00	08/21/24 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*33 - 159*	*08/14/24 07:00*	*08/21/24 07:57*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-53
Date Collected: 08/09/24 13:00
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 06:33	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 06:33	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 06:33	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 06:33	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 06:33	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 06:33	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 06:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 06:33	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 06:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 06:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 06:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 06:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 06:33	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 06:33	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 06:33	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 06:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 06:33	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 06:33	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 06:33	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 06:33	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 06:33	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 06:33	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 06:33	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 06:33	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 06:33	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 06:33	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 06:33	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 06:33	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 06:33	1
Acetone	ND		10	2.5	ug/L			08/23/24 06:33	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 06:33	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 06:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 06:33	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 06:33	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 06:33	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 06:33	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 06:33	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 06:33	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 06:33	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 06:33	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 06:33	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 06:33	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 06:33	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 06:33	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 06:33	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 06:33	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 06:33	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 06:33	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 06:33	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-53

Date Collected: 08/09/24 13:00
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**0.51**	**J**	1.0	0.39	ug/L			08/23/24 06:33	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 06:33	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 06:33	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 06:33	1
Naphthalene	**0.36**	**J**	2.0	0.24	ug/L			08/23/24 06:33	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 06:33	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 06:33	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 06:33	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 06:33	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 06:33	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 06:33	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 06:33	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 06:33	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 06:33	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 06:33	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*08/23/24 06:33*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/23/24 06:33*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*08/23/24 06:33*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*08/23/24 06:33*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 270*		*08/20/24 13:28*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.10**	**J B**	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 08:21	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*79*		*33 - 159*	*08/14/24 07:00*	*08/21/24 08:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**2.0**		0.10	0.050	mg/L			08/13/24 11:09	1
Chloride	**810**		25	13	mg/L			08/16/24 18:44	50
Nitrate Nitrite as N	**20**		1.0	0.11	mg/L			08/13/24 19:11	5
Orthophosphate as P	ND	H	0.50	0.25	mg/L			08/13/24 11:09	1
Sulfate	**1100**		25	13	mg/L			08/16/24 18:44	50
Fluoride	**0.061**	**J**	0.10	0.046	mg/L			08/13/24 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**330**		10	0.89	mg/L			09/12/24 07:55	10
Iron	ND		0.20	0.17	mg/L			09/09/24 17:13	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-53
Date Collected: 08/09/24 13:00
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-4
Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**55**		10	0.98	mg/L			09/09/24 17:13	10
Manganese	**0.43**		0.020	0.0032	mg/L			09/09/24 17:13	10
Potassium	**6.4**		1.0	0.13	mg/L			09/12/24 07:52	1
Sodium	**720**		10	3.0	mg/L			09/12/24 07:55	10
Zinc	**0.15**	**J**	0.20	0.049	mg/L			09/09/24 17:13	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 13:02	10
Barium	ND		0.10	0.050	mg/L		08/14/24 13:52	08/28/24 15:19	100
Cadmium	ND		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 13:02	10
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:33	5
Lead	ND		0.10	0.060	mg/L		08/14/24 13:52	08/28/24 15:19	100
Selenium	**0.041**		0.010	0.0080	mg/L		08/14/24 13:52	08/27/24 13:02	10
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:15	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 11:59	20
Barium	**0.016**	**J**	0.020	0.010	mg/L			09/06/24 11:59	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 11:59	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 11:59	20
Lead	ND		0.020	0.010	mg/L			09/06/24 11:59	20
Selenium	**0.033**		0.020	0.016	mg/L			09/06/24 11:59	20
Silver	ND		0.020	0.010	mg/L			09/06/24 11:59	20
Copper	ND		0.020	0.010	mg/L			09/06/24 11:59	20
Uranium	**0.011**	**J**	0.020	0.010	mg/L			09/06/24 11:59	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 16:56	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**270**		20	20	mg/L			08/22/24 17:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**270**		20	20	mg/L			08/22/24 17:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 17:37	1
Carbon dioxide (SM 4500 CO2 D)	**250**	**HF**	23	23	mg/L			08/22/24 17:37	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: Trip Blank

Date Collected: 08/09/24 13:40
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 07:02	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 07:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 07:02	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 07:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 07:02	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 07:02	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 07:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 07:02	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 07:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 07:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 07:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 07:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 07:02	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 07:02	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 07:02	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 07:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 07:02	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 07:02	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 07:02	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 07:02	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 07:02	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 07:02	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 07:02	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 07:02	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 07:02	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 07:02	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 07:02	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 07:02	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 07:02	1
Acetone	ND		10	2.5	ug/L			08/23/24 07:02	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 07:02	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 07:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 07:02	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 07:02	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 07:02	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 07:02	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 07:02	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 07:02	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 07:02	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 07:02	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 07:02	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 07:02	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 07:02	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 07:02	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 07:02	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 07:02	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 07:02	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 07:02	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 07:02	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: Trip Blank

Date Collected: 08/09/24 13:40
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 07:02	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 07:02	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 07:02	1
N-Propylbenzene	**0.23**	**J**	1.0	0.11	ug/L			08/23/24 07:02	1
Naphthalene	**0.32**	**J**	2.0	0.24	ug/L			08/23/24 07:02	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 07:02	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 07:02	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 07:02	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 07:02	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 07:02	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 07:02	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 07:02	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 07:02	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 07:02	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 07:02	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*08/23/24 07:02*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/23/24 07:02*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/23/24 07:02*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/23/24 07:02*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-63
Date Collected: 08/09/24 11:50
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 07:30	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 07:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 07:30	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 07:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 07:30	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 07:30	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 07:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 07:30	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 07:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 07:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 07:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 07:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 07:30	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 07:30	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 07:30	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 07:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 07:30	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 07:30	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 07:30	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 07:30	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 07:30	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 07:30	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 07:30	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 07:30	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 07:30	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 07:30	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 07:30	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 07:30	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 07:30	1
Acetone	ND		10	2.5	ug/L			08/23/24 07:30	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 07:30	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 07:30	1
Bromodichloromethane	**0.79**	**J**	1.0	0.20	ug/L			08/23/24 07:30	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 07:30	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 07:30	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 07:30	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 07:30	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 07:30	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 07:30	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 07:30	1
Chloroform	**3.3**		1.0	0.25	ug/L			08/23/24 07:30	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 07:30	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 07:30	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 07:30	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 07:30	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 07:30	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 07:30	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 07:30	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 07:30	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-63

Date Collected: 08/09/24 11:50
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**0.55**	**J**	1.0	0.39	ug/L			08/23/24 07:30	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 07:30	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 07:30	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 07:30	1
Naphthalene	**0.32**	**J**	2.0	0.24	ug/L			08/23/24 07:30	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 07:30	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 07:30	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 07:30	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 07:30	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 07:30	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 07:30	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 07:30	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 07:30	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 07:30	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 07:30	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 07:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/23/24 07:30*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/23/24 07:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*08/23/24 07:30*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/23/24 07:30*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 270*		*08/20/24 13:52*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.10**	**J B**	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 08:45	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*87*		*33 - 159*	*08/14/24 07:00*	*08/21/24 08:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**2.1**		0.10	0.050	mg/L			08/13/24 11:34	1
Chloride	**180**		10	5.0	mg/L			08/13/24 11:46	20
Nitrate Nitrite as N	**39**		2.0	0.22	mg/L			08/21/24 13:43	10
Orthophosphate as P	ND	H	0.50	0.25	mg/L			08/13/24 11:34	1
Sulfate	**1200**		25	13	mg/L			08/16/24 18:56	50
Fluoride	**0.15**		0.10	0.046	mg/L			08/13/24 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**270**		10	0.89	mg/L			09/12/24 08:02	10
Iron	ND		0.020	0.017	mg/L			09/12/24 08:00	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-63

Date Collected: 08/09/24 11:50
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-6
Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**76**		1.0	0.098	mg/L			09/12/24 08:00	1
Manganese	**0.045**		0.0020	0.00032	mg/L			09/12/24 12:46	1
Potassium	**5.3**		1.0	0.13	mg/L			09/12/24 08:00	1
Sodium	**480**		10	3.0	mg/L			09/12/24 08:02	10
Zinc	**0.060**		0.020	0.0049	mg/L			09/12/24 08:00	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.030**		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 13:07	10
Barium	**0.87**		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 13:07	10
Cadmium	ND		0.010	0.0050	mg/L		08/14/24 13:52	08/27/24 13:07	10
Chromium	**0.033**		0.0050	0.0025	mg/L		08/14/24 13:52	08/23/24 13:46	5
Lead	ND		0.10	0.060	mg/L		08/14/24 13:52	08/28/24 15:23	100
Selenium	**0.032**		0.010	0.0080	mg/L		08/14/24 13:52	08/27/24 13:07	10
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:34	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.024**		0.020	0.010	mg/L			09/06/24 12:04	20
Barium	ND		0.020	0.010	mg/L			09/06/24 12:04	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:04	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:04	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:04	20
Selenium	**0.022**		0.020	0.016	mg/L			09/06/24 12:04	20
Silver	ND		0.020	0.010	mg/L			09/06/24 12:04	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:04	20
Uranium	**0.023**		0.020	0.010	mg/L			09/06/24 12:04	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00063**		0.00020	0.00012	mg/L		08/13/24 10:51	08/21/24 10:35	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**350**		20	20	mg/L			08/22/24 17:51	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		20	20	mg/L			08/22/24 17:51	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 17:51	1
Carbon dioxide (SM 4500 CO2 D)	**340**	**HF**	23	23	mg/L			08/22/24 17:51	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-65

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 07:59	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 07:59	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 07:59	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 07:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 07:59	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 07:59	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 07:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 07:59	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 07:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 07:59	1
1,2,4-Trimethylbenzene	**5.8**		1.0	0.12	ug/L			08/23/24 07:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 07:59	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 07:59	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 07:59	1
1,2-Dichloroethane (EDC)	**75**		1.0	0.30	ug/L			08/23/24 07:59	1
1,2-Dichloropropane	**0.31**	**J**	1.0	0.20	ug/L			08/23/24 07:59	1
1,3,5-Trimethylbenzene	**0.29**	**J**	1.0	0.18	ug/L			08/23/24 07:59	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 07:59	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 07:59	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 07:59	1
1-Methylnaphthalene	**12**		4.0	2.0	ug/L			08/23/24 07:59	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 07:59	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 07:59	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 07:59	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 07:59	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 07:59	1
4-Chlorotoluene	**0.20**	**J**	1.0	0.13	ug/L			08/23/24 07:59	1
4-Isopropyltoluene	**0.41**	**J**	1.0	0.20	ug/L			08/23/24 07:59	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 07:59	1
Acetone	ND		10	2.5	ug/L			08/23/24 07:59	1
Benzene	**70**		1.0	0.23	ug/L			08/23/24 07:59	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 07:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 07:59	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 07:59	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 07:59	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 07:59	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 07:59	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 07:59	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 07:59	1
Chloroethane	**1.3**	**J**	2.0	0.38	ug/L			08/23/24 07:59	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 07:59	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 07:59	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 07:59	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 07:59	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 07:59	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 07:59	1
Ethylbenzene	**6.1**		1.0	0.21	ug/L			08/23/24 07:59	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 07:59	1
Isopropylbenzene	**3.4**		1.0	0.18	ug/L			08/23/24 07:59	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-65

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**1800**		10	3.9	ug/L			08/23/24 15:06	10
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 07:59	1
n-Butylbenzene	**1.6**	**J**	3.0	0.13	ug/L			08/23/24 07:59	1
N-Propylbenzene	**4.6**		1.0	0.11	ug/L			08/23/24 07:59	1
Naphthalene	**1.1**	**J**	2.0	0.24	ug/L			08/23/24 07:59	1
sec-Butylbenzene	**4.4**		1.0	0.14	ug/L			08/23/24 07:59	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 07:59	1
tert-Butylbenzene	**0.65**	**J**	1.0	0.24	ug/L			08/23/24 07:59	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 07:59	1
Toluene	**1.1**		1.0	0.25	ug/L			08/23/24 07:59	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 07:59	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 07:59	1
Trichloroethene (TCE)	**0.31**	**J**	1.0	0.20	ug/L			08/23/24 07:59	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 07:59	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 07:59	1
Xylenes, Total	**2.0**		1.5	0.37	ug/L			08/23/24 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*08/23/24 07:59*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/23/24 07:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/23/24 07:59*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*08/23/24 07:59*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	41	ug/L		08/13/24 07:08	08/27/24 12:54	1
1,2-Dichlorobenzene	ND		50	50	ug/L		08/13/24 07:08	08/27/24 12:54	1
1,3-Dichlorobenzene	ND		60	57	ug/L		08/13/24 07:08	08/27/24 12:54	1
1,4-Dichlorobenzene	ND		60	51	ug/L		08/13/24 07:08	08/27/24 12:54	1
1-Methylnaphthalene	ND		50	43	ug/L		08/13/24 07:08	08/27/24 12:54	1
2,4,5-Trichlorophenol	ND		50	26	ug/L		08/13/24 07:08	08/27/24 12:54	1
2,4,6-Trichlorophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 12:54	1
2,4-Dichlorophenol	ND		25	19	ug/L		08/13/24 07:08	08/27/24 12:54	1
2,4-Dimethylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
2,4-Dinitrophenol	ND		150	140	ug/L		08/13/24 07:08	08/27/24 12:54	1
2,4-Dinitrotoluene	ND	*-	25	25	ug/L		08/13/24 07:08	08/27/24 12:54	1
2,6-Dinitrotoluene	ND		50	39	ug/L		08/13/24 07:08	08/27/24 12:54	1
2-Chloronaphthalene	ND		50	44	ug/L		08/13/24 07:08	08/27/24 12:54	1
2-Chlorophenol	ND		100	53	ug/L		08/13/24 07:08	08/27/24 12:54	1
2-Methylnaphthalene	ND		25	14	ug/L		08/13/24 07:08	08/27/24 12:54	1
2-Methylphenol	ND		50	23	ug/L		08/13/24 07:08	08/27/24 12:54	1
2-Nitroaniline	ND		50	28	ug/L		08/13/24 07:08	08/27/24 12:54	1
2-Nitrophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 12:54	1
3 & 4 Methylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
3,3'-Dichlorobenzidine	ND		50	31	ug/L		08/13/24 07:08	08/27/24 12:54	1
3-Nitroaniline	ND		100	75	ug/L		08/13/24 07:08	08/27/24 12:54	1
4,6-Dinitro-2-methylphenol	ND		100	95	ug/L		08/13/24 07:08	08/27/24 12:54	1
4-Bromophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 12:54	1
4-Chloro-3-methylphenol	ND	*-	25	23	ug/L		08/13/24 07:08	08/27/24 12:54	1
4-Chloroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 12:54	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-65
Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-7
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 12:54	1
4-Nitroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 12:54	1
4-Nitrophenol	ND		50	27	ug/L		08/13/24 07:08	08/27/24 12:54	1
Acenaphthene	ND	*-	50	39	ug/L		08/13/24 07:08	08/27/24 12:54	1
Acenaphthylene	ND		25	23	ug/L		08/13/24 07:08	08/27/24 12:54	1
Aniline	ND		50	27	ug/L		08/13/24 07:08	08/27/24 12:54	1
Anthracene	ND		25	19	ug/L		08/13/24 07:08	08/27/24 12:54	1
Azobenzene	ND		50	19	ug/L		08/13/24 07:08	08/27/24 12:54	1
Benzo[a]anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 12:54	1
Benzo[a]pyrene	ND		25	25	ug/L		08/13/24 07:08	08/27/24 12:54	1
Benzo[b]fluoranthene	ND		50	29	ug/L		08/13/24 07:08	08/27/24 12:54	1
Benzo[g,h,i]perylene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
Benzo[k]fluoranthene	ND		50	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
Benzoic acid	ND		100	76	ug/L		08/13/24 07:08	08/27/24 12:54	1
Benzyl alcohol	ND		25	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
Bis(2-ethylhexyl) phthalate	ND		50	49	ug/L		08/13/24 07:08	08/27/24 12:54	1
bis (2-Chloroisopropyl) ether	ND		25	18	ug/L		08/13/24 07:08	08/27/24 12:54	1
Bis(2-chloroethoxy)methane	ND		50	22	ug/L		08/13/24 07:08	08/27/24 12:54	1
Bis(2-chloroethyl)ether	ND		50	25	ug/L		08/13/24 07:08	08/27/24 12:54	1
Butyl benzyl phthalate	ND		50	32	ug/L		08/13/24 07:08	08/27/24 12:54	1
Carbazole	ND		50	27	ug/L		08/13/24 07:08	08/27/24 12:54	1
Chrysene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
Di-n-butyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 12:54	1
Di-n-octyl phthalate	ND		50	38	ug/L		08/13/24 07:08	08/27/24 12:54	1
Dibenz(a,h)anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 12:54	1
Dibenzofuran	ND		50	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
Diethyl phthalate	ND		50	28	ug/L		08/13/24 07:08	08/27/24 12:54	1
Dimethyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 12:54	1
Fluoranthene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 12:54	1
Fluorene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
Hexachlorobenzene	ND		100	23	ug/L		08/13/24 07:08	08/27/24 12:54	1
Hexachlorobutadiene	ND		100	57	ug/L		08/13/24 07:08	08/27/24 12:54	1
Hexachlorocyclopentadiene	ND		100	45	ug/L		08/13/24 07:08	08/27/24 12:54	1
Hexachloroethane	ND		100	55	ug/L		08/13/24 07:08	08/27/24 12:54	1
Indeno[1,2,3-cd]pyrene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 12:54	1
Isophorone	ND		25	22	ug/L		08/13/24 07:08	08/27/24 12:54	1
N-Nitrosodi-n-propylamine	ND		25	19	ug/L		08/13/24 07:08	08/27/24 12:54	1
N-Nitrosodimethylamine	ND		25	16	ug/L		08/13/24 07:08	08/27/24 12:54	1
N-Nitrosodiphenylamine	ND		50	26	ug/L		08/13/24 07:08	08/27/24 12:54	1
Naphthalene	ND		25	17	ug/L		08/13/24 07:08	08/27/24 12:54	1
Nitrobenzene	ND		25	18	ug/L		08/13/24 07:08	08/27/24 12:54	1
Pentachlorophenol	ND		100	76	ug/L		08/13/24 07:08	08/27/24 12:54	1
Phenanthrene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 12:54	1
Phenol	ND	*-	50	19	ug/L		08/13/24 07:08	08/27/24 12:54	1
Pyrene	ND	*- *1	50	26	ug/L		08/13/24 07:08	08/27/24 12:54	1
Pyridine	ND		100	13	ug/L		08/13/24 07:08	08/27/24 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*33*		*15 - 130*	*08/13/24 07:08*	*08/27/24 12:54*	*1*
2-Fluorophenol (Surr)	*43*		*15 - 130*	*08/13/24 07:08*	*08/27/24 12:54*	*1*

Eurofins Albuquerque

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-65

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-7
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*61*		*15 - 130*	*08/13/24 07:08*	*08/27/24 12:54*	*1*
Nitrobenzene-d5 (Surr)	*55*		*29 - 130*	*08/13/24 07:08*	*08/27/24 12:54*	*1*
2-Fluorobiphenyl (Surr)	*46*		*20 - 130*	*08/13/24 07:08*	*08/27/24 12:54*	*1*
p-Terphenyl-d14 (Surr)	*60*		*41 - 130*	*08/13/24 07:08*	*08/27/24 12:54*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**3.1**		1.0	0.26	mg/L			08/20/24 14:39	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*15 - 270*		*08/20/24 14:39*	*20*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.7**	***1**	0.19	0.067	mg/L		08/14/24 09:20	08/22/24 18:14	1
Motor Oil Range Organics [C28-C40]	**0.21**		0.094	0.070	mg/L		08/14/24 09:20	08/22/24 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*98*		*33 - 159*	*08/14/24 09:20*	*08/22/24 18:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**5.0**		0.50	0.25	mg/L			08/13/24 11:59	5
Chloride	**320**		10	5.0	mg/L			08/13/24 12:11	20
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			08/13/24 20:13	5
Orthophosphate as P	ND	H	2.5	1.3	mg/L			08/13/24 11:59	5
Sulfate	**80**		2.5	1.3	mg/L			08/13/24 11:59	5
Fluoride	ND		0.50	0.23	mg/L			08/13/24 11:59	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**170**		10	0.89	mg/L			09/12/24 08:14	10
Iron	**7.0**		0.20	0.17	mg/L			09/12/24 08:14	10
Magnesium	**80**		10	0.98	mg/L			09/12/24 08:14	10
Manganese	**1.6**		0.020	0.0032	mg/L			09/12/24 12:48	10
Potassium	**4.9**		1.0	0.13	mg/L			09/12/24 08:12	1
Sodium	**530**		10	3.0	mg/L			09/12/24 08:14	10
Zinc	ND		0.20	0.049	mg/L			09/12/24 08:14	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:50	5
Barium	**0.49**		0.10	0.050	mg/L		08/14/24 13:52	08/28/24 15:28	100
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:50	5
Chromium	**0.0032**	**J**	0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:50	5
Lead	**0.0034**	**J**	0.0050	0.0030	mg/L		08/14/24 13:52	08/25/24 11:50	5
Selenium	ND		0.0050	0.0040	mg/L		08/14/24 13:52	08/25/24 11:50	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:37	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-65

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-7
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:08	20
Barium	**0.30**		0.020	0.010	mg/L			09/06/24 12:08	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:08	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:08	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:08	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 12:08	20
Silver	ND		0.020	0.010	mg/L			09/06/24 12:08	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:08	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 12:08	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 17:01	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**1300**		50	50	mg/L			08/22/24 21:18	2.5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1300**		50	50	mg/L			08/22/24 21:18	2.5
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/22/24 21:18	2.5
Carbon dioxide (SM 4500 CO2 D)	**1200**	**HF**	58	58	mg/L			08/22/24 21:18	2.5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-59

Date Collected: 08/09/24 14:25
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.3	ug/L			08/23/24 13:11	5
1,1,1-Trichloroethane	ND		5.0	0.41	ug/L			08/23/24 13:11	5
1,1,2,2-Tetrachloroethane	ND		10	1.4	ug/L			08/23/24 13:11	5
1,1,2-Trichloroethane	ND		5.0	0.99	ug/L			08/23/24 13:11	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			08/23/24 13:11	5
1,1-Dichloroethene	ND		5.0	1.0	ug/L			08/23/24 13:11	5
1,1-Dichloropropene	ND		5.0	0.90	ug/L			08/23/24 13:11	5
1,2,3-Trichlorobenzene	ND		5.0	1.2	ug/L			08/23/24 13:11	5
1,2,3-Trichloropropane	ND		10	0.80	ug/L			08/23/24 13:11	5
1,2,4-Trichlorobenzene	ND		5.0	2.0	ug/L			08/23/24 13:11	5
1,2,4-Trimethylbenzene	ND		5.0	0.61	ug/L			08/23/24 13:11	5
1,2-Dibromo-3-Chloropropane	ND		10	2.9	ug/L			08/23/24 13:11	5
1,2-Dibromoethane (EDB)	ND		5.0	1.5	ug/L			08/23/24 13:11	5
1,2-Dichlorobenzene	ND		5.0	0.77	ug/L			08/23/24 13:11	5
1,2-Dichloroethane (EDC)	ND		5.0	1.5	ug/L			08/23/24 13:11	5
1,2-Dichloropropane	ND		5.0	1.0	ug/L			08/23/24 13:11	5
1,3,5-Trimethylbenzene	ND		5.0	0.91	ug/L			08/23/24 13:11	5
1,3-Dichlorobenzene	ND		5.0	0.81	ug/L			08/23/24 13:11	5
1,3-Dichloropropane	ND		5.0	0.90	ug/L			08/23/24 13:11	5
1,4-Dichlorobenzene	ND		5.0	0.52	ug/L			08/23/24 13:11	5
1-Methylnaphthalene	ND		20	10	ug/L			08/23/24 13:11	5
2,2-Dichloropropane	ND		10	1.3	ug/L			08/23/24 13:11	5
2-Butanone	ND		50	10	ug/L			08/23/24 13:11	5
2-Chlorotoluene	ND		5.0	0.66	ug/L			08/23/24 13:11	5
2-Hexanone	ND		50	9.0	ug/L			08/23/24 13:11	5
2-Methylnaphthalene	ND		20	10	ug/L			08/23/24 13:11	5
4-Chlorotoluene	ND		5.0	0.67	ug/L			08/23/24 13:11	5
4-Isopropyltoluene	ND		5.0	1.0	ug/L			08/23/24 13:11	5
4-Methyl-2-pentanone	ND		50	7.5	ug/L			08/23/24 13:11	5
Acetone	ND		50	13	ug/L			08/23/24 13:11	5
Benzene	ND		5.0	1.1	ug/L			08/23/24 13:11	5
Bromobenzene	ND		5.0	1.4	ug/L			08/23/24 13:11	5
Bromodichloromethane	ND		5.0	1.0	ug/L			08/23/24 13:11	5
Dibromochloromethane	ND		5.0	1.4	ug/L			08/23/24 13:11	5
Bromoform	ND		5.0	1.6	ug/L			08/23/24 13:11	5
Bromomethane	ND		15	5.0	ug/L			08/23/24 13:11	5
Carbon disulfide	ND		50	5.0	ug/L			08/23/24 13:11	5
Carbon tetrachloride	ND		5.0	0.88	ug/L			08/23/24 13:11	5
Chlorobenzene	ND		5.0	2.3	ug/L			08/23/24 13:11	5
Chloroethane	ND		10	1.9	ug/L			08/23/24 13:11	5
Chloroform	ND		5.0	1.3	ug/L			08/23/24 13:11	5
Chloromethane	ND		15	2.1	ug/L			08/23/24 13:11	5
cis-1,2-Dichloroethene	ND		5.0	1.9	ug/L			08/23/24 13:11	5
cis-1,3-Dichloropropene	ND		5.0	0.58	ug/L			08/23/24 13:11	5
Dibromomethane	ND		5.0	1.5	ug/L			08/23/24 13:11	5
Dichlorodifluoromethane	ND		5.0	1.3	ug/L			08/23/24 13:11	5
Ethylbenzene	ND		5.0	1.1	ug/L			08/23/24 13:11	5
Hexachlorobutadiene	ND		5.0	2.1	ug/L			08/23/24 13:11	5
Isopropylbenzene	ND		5.0	0.91	ug/L			08/23/24 13:11	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-59

Date Collected: 08/09/24 14:25
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**37**		5.0	2.0	ug/L			08/23/24 13:11	5
Methylene Chloride	ND		15	6.2	ug/L			08/23/24 13:11	5
n-Butylbenzene	ND		15	0.63	ug/L			08/23/24 13:11	5
N-Propylbenzene	ND		5.0	0.55	ug/L			08/23/24 13:11	5
Naphthalene	**1.5**	**J B**	10	1.2	ug/L			08/23/24 13:11	5
sec-Butylbenzene	**3.5**	**J**	5.0	0.72	ug/L			08/23/24 13:11	5
Styrene	ND		5.0	0.68	ug/L			08/23/24 13:11	5
tert-Butylbenzene	**1.2**	**J**	5.0	1.2	ug/L			08/23/24 13:11	5
Tetrachloroethene (PCE)	ND		5.0	0.89	ug/L			08/23/24 13:11	5
Toluene	ND		5.0	1.3	ug/L			08/23/24 13:11	5
trans-1,2-Dichloroethene	ND		5.0	0.97	ug/L			08/23/24 13:11	5
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			08/23/24 13:11	5
Trichloroethene (TCE)	ND		5.0	1.0	ug/L			08/23/24 13:11	5
Trichlorofluoromethane	ND		5.0	0.79	ug/L			08/23/24 13:11	5
Vinyl chloride	ND		5.0	1.6	ug/L			08/23/24 13:11	5
Xylenes, Total	ND		7.5	1.9	ug/L			08/23/24 13:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/23/24 13:11*	*5*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/23/24 13:11*	*5*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/23/24 13:11*	*5*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*08/23/24 13:11*	*5*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	41	ug/L		08/13/24 07:08	08/27/24 14:20	1
1,2-Dichlorobenzene	ND		50	50	ug/L		08/13/24 07:08	08/27/24 14:20	1
1,3-Dichlorobenzene	ND		60	57	ug/L		08/13/24 07:08	08/27/24 14:20	1
1,4-Dichlorobenzene	ND		60	51	ug/L		08/13/24 07:08	08/27/24 14:20	1
1-Methylnaphthalene	ND		50	43	ug/L		08/13/24 07:08	08/27/24 14:20	1
2,4,5-Trichlorophenol	ND		50	26	ug/L		08/13/24 07:08	08/27/24 14:20	1
2,4,6-Trichlorophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 14:20	1
2,4-Dichlorophenol	ND		25	19	ug/L		08/13/24 07:08	08/27/24 14:20	1
2,4-Dimethylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
2,4-Dinitrophenol	ND		150	140	ug/L		08/13/24 07:08	08/27/24 14:20	1
2,4-Dinitrotoluene	ND	*-	25	25	ug/L		08/13/24 07:08	08/27/24 14:20	1
2,6-Dinitrotoluene	ND		50	39	ug/L		08/13/24 07:08	08/27/24 14:20	1
2-Chloronaphthalene	ND		50	44	ug/L		08/13/24 07:08	08/27/24 14:20	1
2-Chlorophenol	ND		100	53	ug/L		08/13/24 07:08	08/27/24 14:20	1
2-Methylnaphthalene	ND		25	14	ug/L		08/13/24 07:08	08/27/24 14:20	1
2-Methylphenol	ND		50	23	ug/L		08/13/24 07:08	08/27/24 14:20	1
2-Nitroaniline	ND		50	28	ug/L		08/13/24 07:08	08/27/24 14:20	1
2-Nitrophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 14:20	1
3 & 4 Methylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
3,3'-Dichlorobenzidine	ND		50	31	ug/L		08/13/24 07:08	08/27/24 14:20	1
3-Nitroaniline	ND		100	75	ug/L		08/13/24 07:08	08/27/24 14:20	1
4,6-Dinitro-2-methylphenol	ND		100	95	ug/L		08/13/24 07:08	08/27/24 14:20	1
4-Bromophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 14:20	1
4-Chloro-3-methylphenol	ND	*-	25	23	ug/L		08/13/24 07:08	08/27/24 14:20	1
4-Chloroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 14:20	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-59
Date Collected: 08/09/24 14:25
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-8
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 14:20	1
4-Nitroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 14:20	1
4-Nitrophenol	ND		50	27	ug/L		08/13/24 07:08	08/27/24 14:20	1
Acenaphthene	ND	*-	50	39	ug/L		08/13/24 07:08	08/27/24 14:20	1
Acenaphthylene	ND		25	23	ug/L		08/13/24 07:08	08/27/24 14:20	1
Aniline	ND		50	27	ug/L		08/13/24 07:08	08/27/24 14:20	1
Anthracene	ND		25	19	ug/L		08/13/24 07:08	08/27/24 14:20	1
Azobenzene	ND		50	19	ug/L		08/13/24 07:08	08/27/24 14:20	1
Benzo[a]anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 14:20	1
Benzo[a]pyrene	ND		25	25	ug/L		08/13/24 07:08	08/27/24 14:20	1
Benzo[b]fluoranthene	ND		50	29	ug/L		08/13/24 07:08	08/27/24 14:20	1
Benzo[g,h,i]perylene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
Benzo[k]fluoranthene	ND		50	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
Benzoic acid	ND		100	76	ug/L		08/13/24 07:08	08/27/24 14:20	1
Benzyl alcohol	ND		25	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
Bis(2-ethylhexyl) phthalate	ND		50	49	ug/L		08/13/24 07:08	08/27/24 14:20	1
bis (2-Chloroisopropyl) ether	ND		25	18	ug/L		08/13/24 07:08	08/27/24 14:20	1
Bis(2-chloroethoxy)methane	ND		50	22	ug/L		08/13/24 07:08	08/27/24 14:20	1
Bis(2-chloroethyl)ether	ND		50	25	ug/L		08/13/24 07:08	08/27/24 14:20	1
Butyl benzyl phthalate	ND		50	32	ug/L		08/13/24 07:08	08/27/24 14:20	1
Carbazole	ND		50	27	ug/L		08/13/24 07:08	08/27/24 14:20	1
Chrysene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
Di-n-butyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 14:20	1
Di-n-octyl phthalate	ND		50	38	ug/L		08/13/24 07:08	08/27/24 14:20	1
Dibenz(a,h)anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 14:20	1
Dibenzofuran	ND		50	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
Diethyl phthalate	ND		50	28	ug/L		08/13/24 07:08	08/27/24 14:20	1
Dimethyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 14:20	1
Fluoranthene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 14:20	1
Fluorene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
Hexachlorobenzene	ND		100	23	ug/L		08/13/24 07:08	08/27/24 14:20	1
Hexachlorobutadiene	ND		100	57	ug/L		08/13/24 07:08	08/27/24 14:20	1
Hexachlorocyclopentadiene	ND		100	45	ug/L		08/13/24 07:08	08/27/24 14:20	1
Hexachloroethane	ND		100	55	ug/L		08/13/24 07:08	08/27/24 14:20	1
Indeno[1,2,3-cd]pyrene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 14:20	1
Isophorone	ND		25	22	ug/L		08/13/24 07:08	08/27/24 14:20	1
N-Nitrosodi-n-propylamine	ND		25	19	ug/L		08/13/24 07:08	08/27/24 14:20	1
N-Nitrosodimethylamine	ND		25	16	ug/L		08/13/24 07:08	08/27/24 14:20	1
N-Nitrosodiphenylamine	ND		50	26	ug/L		08/13/24 07:08	08/27/24 14:20	1
Naphthalene	ND		25	17	ug/L		08/13/24 07:08	08/27/24 14:20	1
Nitrobenzene	ND		25	18	ug/L		08/13/24 07:08	08/27/24 14:20	1
Pentachlorophenol	ND		100	76	ug/L		08/13/24 07:08	08/27/24 14:20	1
Phenanthrene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 14:20	1
Phenol	ND	*-	50	19	ug/L		08/13/24 07:08	08/27/24 14:20	1
Pyrene	ND	*- *1	50	26	ug/L		08/13/24 07:08	08/27/24 14:20	1
Pyridine	ND		100	13	ug/L		08/13/24 07:08	08/27/24 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*48*		*15 - 130*	*08/13/24 07:08*	*08/27/24 14:20*	*1*
2-Fluorophenol (Surr)	*61*		*15 - 130*	*08/13/24 07:08*	*08/27/24 14:20*	*1*

Eurofins Albuquerque

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-59

Date Collected: 08/09/24 14:25
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-8

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*73*		*15 - 130*	*08/13/24 07:08*	*08/27/24 14:20*	*1*
Nitrobenzene-d5 (Surr)	*77*		*29 - 130*	*08/13/24 07:08*	*08/27/24 14:20*	*1*
2-Fluorobiphenyl (Surr)	*62*		*20 - 130*	*08/13/24 07:08*	*08/27/24 14:20*	*1*
p-Terphenyl-d14 (Surr)	*79*		*41 - 130*	*08/13/24 07:08*	*08/27/24 14:20*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.056**		0.050	0.013	mg/L			08/20/24 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/20/24 14:15*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.22**	***1**	0.19	0.067	mg/L		08/14/24 09:20	08/22/24 18:39	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 09:20	08/22/24 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*94*		*33 - 159*	*08/14/24 09:20*	*08/22/24 18:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**2.7**		0.50	0.25	mg/L			08/13/24 12:48	5
Chloride	**160**		10	5.0	mg/L			08/13/24 13:00	20
Nitrate Nitrite as N	**19**		1.0	0.11	mg/L			08/13/24 20:25	5
Orthophosphate as P	ND	H	2.5	1.3	mg/L			08/13/24 12:48	5
Sulfate	**1200**		25	13	mg/L			08/16/24 19:08	50
Fluoride	ND		0.50	0.23	mg/L			08/13/24 12:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**270**		10	0.89	mg/L			09/12/24 08:19	10
Iron	ND		0.20	0.17	mg/L			09/12/24 08:19	10
Magnesium	**99**		10	0.98	mg/L			09/12/24 08:19	10
Manganese	**0.87**		0.0020	0.00032	mg/L			09/12/24 12:50	1
Potassium	**6.3**		1.0	0.13	mg/L			09/12/24 08:16	1
Sodium	**540**		10	3.0	mg/L			09/12/24 08:19	10
Zinc	**0.20**		0.20	0.049	mg/L			09/12/24 08:19	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:55	5
Barium	**0.17**		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:55	5
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:55	5
Chromium	**0.0060**		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:55	5
Lead	ND		0.020	0.012	mg/L		08/14/24 13:52	08/28/24 12:54	20
Selenium	**0.013**		0.0050	0.0040	mg/L		08/14/24 13:52	08/25/24 11:55	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:40	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: MW-59

Date Collected: 08/09/24 14:25
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-8

Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:13	20
Barium	**0.024**		0.020	0.010	mg/L			09/06/24 12:13	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:13	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:13	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:13	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 12:13	20
Silver	ND		0.020	0.010	mg/L			09/06/24 12:13	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:13	20
Uranium	**0.026**		0.020	0.010	mg/L			09/06/24 12:13	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 17:03	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**740**		20	20	mg/L			08/22/24 18:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**740**		20	20	mg/L			08/22/24 18:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/22/24 18:48	1
Carbon dioxide (SM 4500 CO2 D)	**740**	**HF**	23	23	mg/L			08/22/24 18:48	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: DUP B

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.3	ug/L			08/23/24 13:40	5
1,1,1-Trichloroethane	ND		5.0	0.41	ug/L			08/23/24 13:40	5
1,1,2,2-Tetrachloroethane	ND		10	1.4	ug/L			08/23/24 13:40	5
1,1,2-Trichloroethane	ND		5.0	0.99	ug/L			08/23/24 13:40	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			08/23/24 13:40	5
1,1-Dichloroethene	ND		5.0	1.0	ug/L			08/23/24 13:40	5
1,1-Dichloropropene	ND		5.0	0.90	ug/L			08/23/24 13:40	5
1,2,3-Trichlorobenzene	ND		5.0	1.2	ug/L			08/23/24 13:40	5
1,2,3-Trichloropropane	ND		10	0.80	ug/L			08/23/24 13:40	5
1,2,4-Trichlorobenzene	ND		5.0	2.0	ug/L			08/23/24 13:40	5
1,2,4-Trimethylbenzene	**5.5**		5.0	0.61	ug/L			08/23/24 13:40	5
1,2-Dibromo-3-Chloropropane	ND		10	2.9	ug/L			08/23/24 13:40	5
1,2-Dibromoethane (EDB)	ND		5.0	1.5	ug/L			08/23/24 13:40	5
1,2-Dichlorobenzene	ND		5.0	0.77	ug/L			08/23/24 13:40	5
1,2-Dichloroethane (EDC)	**81**		5.0	1.5	ug/L			08/23/24 13:40	5
1,2-Dichloropropane	ND		5.0	1.0	ug/L			08/23/24 13:40	5
1,3,5-Trimethylbenzene	**1.2**	**J**	5.0	0.91	ug/L			08/23/24 13:40	5
1,3-Dichlorobenzene	ND		5.0	0.81	ug/L			08/23/24 13:40	5
1,3-Dichloropropane	ND		5.0	0.90	ug/L			08/23/24 13:40	5
1,4-Dichlorobenzene	ND		5.0	0.52	ug/L			08/23/24 13:40	5
1-Methylnaphthalene	**10**	**J**	20	10	ug/L			08/23/24 13:40	5
2,2-Dichloropropane	ND		10	1.3	ug/L			08/23/24 13:40	5
2-Butanone	ND		50	10	ug/L			08/23/24 13:40	5
2-Chlorotoluene	ND		5.0	0.66	ug/L			08/23/24 13:40	5
2-Hexanone	ND		50	9.0	ug/L			08/23/24 13:40	5
2-Methylnaphthalene	ND		20	10	ug/L			08/23/24 13:40	5
4-Chlorotoluene	ND		5.0	0.67	ug/L			08/23/24 13:40	5
4-Isopropyltoluene	**1.4**	**J**	5.0	1.0	ug/L			08/23/24 13:40	5
4-Methyl-2-pentanone	ND		50	7.5	ug/L			08/23/24 13:40	5
Acetone	**20**	**J**	50	13	ug/L			08/23/24 13:40	5
Benzene	**68**		5.0	1.1	ug/L			08/23/24 13:40	5
Bromobenzene	ND		5.0	1.4	ug/L			08/23/24 13:40	5
Bromodichloromethane	ND		5.0	1.0	ug/L			08/23/24 13:40	5
Dibromochloromethane	ND		5.0	1.4	ug/L			08/23/24 13:40	5
Bromoform	ND		5.0	1.6	ug/L			08/23/24 13:40	5
Bromomethane	ND		15	5.0	ug/L			08/23/24 13:40	5
Carbon disulfide	ND		50	5.0	ug/L			08/23/24 13:40	5
Carbon tetrachloride	ND		5.0	0.88	ug/L			08/23/24 13:40	5
Chlorobenzene	ND		5.0	2.3	ug/L			08/23/24 13:40	5
Chloroethane	ND		10	1.9	ug/L			08/23/24 13:40	5
Chloroform	ND		5.0	1.3	ug/L			08/23/24 13:40	5
Chloromethane	ND		15	2.1	ug/L			08/23/24 13:40	5
cis-1,2-Dichloroethene	ND		5.0	1.9	ug/L			08/23/24 13:40	5
cis-1,3-Dichloropropene	ND		5.0	0.58	ug/L			08/23/24 13:40	5
Dibromomethane	ND		5.0	1.5	ug/L			08/23/24 13:40	5
Dichlorodifluoromethane	ND		5.0	1.3	ug/L			08/23/24 13:40	5
Ethylbenzene	**5.8**		5.0	1.1	ug/L			08/23/24 13:40	5
Hexachlorobutadiene	ND		5.0	2.1	ug/L			08/23/24 13:40	5
Isopropylbenzene	**4.0**	**J**	5.0	0.91	ug/L			08/23/24 13:40	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: DUP B

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**1800**	**E**	5.0	2.0	ug/L			08/23/24 13:40	5
Methylene Chloride	ND		15	6.2	ug/L			08/23/24 13:40	5
n-Butylbenzene	**2.8**	**J**	15	0.63	ug/L			08/23/24 13:40	5
N-Propylbenzene	**5.1**		5.0	0.55	ug/L			08/23/24 13:40	5
Naphthalene	**2.3**	**J B**	10	1.2	ug/L			08/23/24 13:40	5
sec-Butylbenzene	**4.9**	**J**	5.0	0.72	ug/L			08/23/24 13:40	5
Styrene	ND		5.0	0.68	ug/L			08/23/24 13:40	5
tert-Butylbenzene	**1.5**	**J**	5.0	1.2	ug/L			08/23/24 13:40	5
Tetrachloroethene (PCE)	ND		5.0	0.89	ug/L			08/23/24 13:40	5
Toluene	**1.3**	**J**	5.0	1.3	ug/L			08/23/24 13:40	5
trans-1,2-Dichloroethene	ND		5.0	0.97	ug/L			08/23/24 13:40	5
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			08/23/24 13:40	5
Trichloroethene (TCE)	ND		5.0	1.0	ug/L			08/23/24 13:40	5
Trichlorofluoromethane	ND		5.0	0.79	ug/L			08/23/24 13:40	5
Vinyl chloride	ND		5.0	1.6	ug/L			08/23/24 13:40	5
Xylenes, Total	**4.0**	**J**	7.5	1.9	ug/L			08/23/24 13:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*08/23/24 13:40*	*5*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/23/24 13:40*	*5*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*08/23/24 13:40*	*5*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*08/23/24 13:40*	*5*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	41	ug/L		08/13/24 07:08	08/27/24 15:04	1
1,2-Dichlorobenzene	ND		50	50	ug/L		08/13/24 07:08	08/27/24 15:04	1
1,3-Dichlorobenzene	ND		60	57	ug/L		08/13/24 07:08	08/27/24 15:04	1
1,4-Dichlorobenzene	ND		60	51	ug/L		08/13/24 07:08	08/27/24 15:04	1
1-Methylnaphthalene	ND		50	43	ug/L		08/13/24 07:08	08/27/24 15:04	1
2,4,5-Trichlorophenol	ND		50	26	ug/L		08/13/24 07:08	08/27/24 15:04	1
2,4,6-Trichlorophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 15:04	1
2,4-Dichlorophenol	ND		25	19	ug/L		08/13/24 07:08	08/27/24 15:04	1
2,4-Dimethylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
2,4-Dinitrophenol	ND		150	140	ug/L		08/13/24 07:08	08/27/24 15:04	1
2,4-Dinitrotoluene	ND	*-	25	25	ug/L		08/13/24 07:08	08/27/24 15:04	1
2,6-Dinitrotoluene	ND		50	39	ug/L		08/13/24 07:08	08/27/24 15:04	1
2-Chloronaphthalene	ND		50	44	ug/L		08/13/24 07:08	08/27/24 15:04	1
2-Chlorophenol	ND		100	53	ug/L		08/13/24 07:08	08/27/24 15:04	1
2-Methylnaphthalene	ND		25	14	ug/L		08/13/24 07:08	08/27/24 15:04	1
2-Methylphenol	ND		50	23	ug/L		08/13/24 07:08	08/27/24 15:04	1
2-Nitroaniline	ND		50	28	ug/L		08/13/24 07:08	08/27/24 15:04	1
2-Nitrophenol	ND		50	22	ug/L		08/13/24 07:08	08/27/24 15:04	1
3 & 4 Methylphenol	ND		50	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
3,3'-Dichlorobenzidine	ND		50	31	ug/L		08/13/24 07:08	08/27/24 15:04	1
3-Nitroaniline	ND		100	75	ug/L		08/13/24 07:08	08/27/24 15:04	1
4,6-Dinitro-2-methylphenol	ND		100	95	ug/L		08/13/24 07:08	08/27/24 15:04	1
4-Bromophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 15:04	1
4-Chloro-3-methylphenol	ND	*-	25	23	ug/L		08/13/24 07:08	08/27/24 15:04	1
4-Chloroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 15:04	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: DUP B

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-9
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		25	19	ug/L		08/13/24 07:08	08/27/24 15:04	1
4-Nitroaniline	ND		25	23	ug/L		08/13/24 07:08	08/27/24 15:04	1
4-Nitrophenol	ND		50	27	ug/L		08/13/24 07:08	08/27/24 15:04	1
Acenaphthene	ND	*-	50	39	ug/L		08/13/24 07:08	08/27/24 15:04	1
Acenaphthylene	ND		25	23	ug/L		08/13/24 07:08	08/27/24 15:04	1
Aniline	ND		50	27	ug/L		08/13/24 07:08	08/27/24 15:04	1
Anthracene	ND		25	19	ug/L		08/13/24 07:08	08/27/24 15:04	1
Azobenzene	ND		50	19	ug/L		08/13/24 07:08	08/27/24 15:04	1
Benzo[a]anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 15:04	1
Benzo[a]pyrene	ND		25	25	ug/L		08/13/24 07:08	08/27/24 15:04	1
Benzo[b]fluoranthene	ND		50	29	ug/L		08/13/24 07:08	08/27/24 15:04	1
Benzo[g,h,i]perylene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
Benzo[k]fluoranthene	ND		50	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
Benzoic acid	ND		100	76	ug/L		08/13/24 07:08	08/27/24 15:04	1
Benzyl alcohol	ND		25	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
Bis(2-ethylhexyl) phthalate	ND		50	49	ug/L		08/13/24 07:08	08/27/24 15:04	1
bis (2-Chloroisopropyl) ether	ND		25	18	ug/L		08/13/24 07:08	08/27/24 15:04	1
Bis(2-chloroethoxy)methane	ND		50	22	ug/L		08/13/24 07:08	08/27/24 15:04	1
Bis(2-chloroethyl)ether	ND		50	25	ug/L		08/13/24 07:08	08/27/24 15:04	1
Butyl benzyl phthalate	ND		50	32	ug/L		08/13/24 07:08	08/27/24 15:04	1
Carbazole	ND		50	27	ug/L		08/13/24 07:08	08/27/24 15:04	1
Chrysene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
Di-n-butyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 15:04	1
Di-n-octyl phthalate	ND		50	38	ug/L		08/13/24 07:08	08/27/24 15:04	1
Dibenz(a,h)anthracene	ND		50	34	ug/L		08/13/24 07:08	08/27/24 15:04	1
Dibenzofuran	ND		50	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
Diethyl phthalate	ND		50	28	ug/L		08/13/24 07:08	08/27/24 15:04	1
Dimethyl phthalate	ND		50	27	ug/L		08/13/24 07:08	08/27/24 15:04	1
Fluoranthene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 15:04	1
Fluorene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
Hexachlorobenzene	ND		100	23	ug/L		08/13/24 07:08	08/27/24 15:04	1
Hexachlorobutadiene	ND		100	57	ug/L		08/13/24 07:08	08/27/24 15:04	1
Hexachlorocyclopentadiene	ND		100	45	ug/L		08/13/24 07:08	08/27/24 15:04	1
Hexachloroethane	ND		100	55	ug/L		08/13/24 07:08	08/27/24 15:04	1
Indeno[1,2,3-cd]pyrene	ND		50	27	ug/L		08/13/24 07:08	08/27/24 15:04	1
Isophorone	ND		25	22	ug/L		08/13/24 07:08	08/27/24 15:04	1
N-Nitrosodi-n-propylamine	ND		25	19	ug/L		08/13/24 07:08	08/27/24 15:04	1
N-Nitrosodimethylamine	ND		25	16	ug/L		08/13/24 07:08	08/27/24 15:04	1
N-Nitrosodiphenylamine	ND		50	26	ug/L		08/13/24 07:08	08/27/24 15:04	1
Naphthalene	ND		25	17	ug/L		08/13/24 07:08	08/27/24 15:04	1
Nitrobenzene	ND		25	18	ug/L		08/13/24 07:08	08/27/24 15:04	1
Pentachlorophenol	ND		100	76	ug/L		08/13/24 07:08	08/27/24 15:04	1
Phenanthrene	ND		25	24	ug/L		08/13/24 07:08	08/27/24 15:04	1
Phenol	ND	*-	50	19	ug/L		08/13/24 07:08	08/27/24 15:04	1
Pyrene	ND	*- *1	50	26	ug/L		08/13/24 07:08	08/27/24 15:04	1
Pyridine	ND		100	13	ug/L		08/13/24 07:08	08/27/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*49*		*15 - 130*	*08/13/24 07:08*	*08/27/24 15:04*	*1*
2-Fluorophenol (Surr)	*60*		*15 - 130*	*08/13/24 07:08*	*08/27/24 15:04*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: DUP B

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-9
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*79*		*15 - 130*	*08/13/24 07:08*	*08/27/24 15:04*	*1*
Nitrobenzene-d5 (Surr)	*76*		*29 - 130*	*08/13/24 07:08*	*08/27/24 15:04*	*1*
2-Fluorobiphenyl (Surr)	*66*		*20 - 130*	*08/13/24 07:08*	*08/27/24 15:04*	*1*
p-Terphenyl-d14 (Surr)	*87*		*41 - 130*	*08/13/24 07:08*	*08/27/24 15:04*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**3.1**		1.0	0.26	mg/L			08/20/24 15:50	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*15 - 270*		*08/20/24 15:50*	*20*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.5**	***1**	0.19	0.067	mg/L		08/14/24 09:20	08/22/24 19:04	1
Motor Oil Range Organics [C28-C40]	**0.070**	**J**	0.094	0.070	mg/L		08/14/24 09:20	08/22/24 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*87*		*33 - 159*	*08/14/24 09:20*	*08/22/24 19:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**5.0**		0.50	0.25	mg/L			08/13/24 13:13	5
Chloride	**320**		10	5.0	mg/L			08/13/24 13:25	20
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			08/13/24 20:37	5
Orthophosphate as P	ND	H	2.5	1.3	mg/L			08/13/24 13:13	5
Sulfate	**84**		2.5	1.3	mg/L			08/13/24 13:13	5
Fluoride	ND		0.50	0.23	mg/L			08/13/24 13:13	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		10	0.89	mg/L			09/12/24 08:24	10
Iron	**6.8**		0.20	0.17	mg/L			09/12/24 08:24	10
Magnesium	**77**		10	0.98	mg/L			09/12/24 08:24	10
Manganese	**1.6**		0.020	0.0032	mg/L			09/12/24 12:52	10
Potassium	**5.0**		1.0	0.13	mg/L			09/12/24 08:21	1
Sodium	**490**		10	3.0	mg/L			09/12/24 08:24	10
Zinc	**0.10**	**J**	0.20	0.049	mg/L			09/12/24 08:24	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:59	5
Barium	**0.47**		0.020	0.010	mg/L		08/14/24 13:52	08/28/24 12:58	20
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:59	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/25/24 11:59	5
Lead	ND		0.0050	0.0030	mg/L		08/14/24 13:52	08/25/24 11:59	5
Selenium	ND		0.0050	0.0040	mg/L		08/14/24 13:52	08/25/24 11:59	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:52	08/22/24 12:44	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: DUP B

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-9
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:17	20
Barium	**0.32**		0.020	0.010	mg/L			09/06/24 12:17	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:17	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:17	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:17	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 12:17	20
Silver	ND		0.020	0.010	mg/L			09/06/24 12:17	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:17	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 12:17	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 17:06	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**1300**	**H**	50	50	mg/L			09/05/24 14:57	2.5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1300**	**H**	50	50	mg/L			09/05/24 14:57	2.5
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND	H	5.0	5.0	mg/L			09/05/24 14:57	2.5
Carbon dioxide (SM 4500 CO2 D)	**1200**	**HF**	58	58	mg/L			09/05/24 14:57	2.5

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10760/30
Matrix: Water
Analysis Batch: 10760

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 23:54	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 23:54	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 23:54	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 23:54	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 23:54	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 23:54	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 23:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 23:54	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 23:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 23:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/22/24 23:54	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 23:54	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 23:54	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 23:54	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 23:54	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 23:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 23:54	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 23:54	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 23:54	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/22/24 23:54	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 23:54	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 23:54	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 23:54	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 23:54	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 23:54	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 23:54	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 23:54	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 23:54	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 23:54	1
Acetone	ND		10	2.5	ug/L			08/22/24 23:54	1
Benzene	ND		1.0	0.23	ug/L			08/22/24 23:54	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 23:54	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 23:54	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 23:54	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 23:54	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 23:54	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 23:54	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 23:54	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 23:54	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 23:54	1
Chloroform	ND		1.0	0.25	ug/L			08/22/24 23:54	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 23:54	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 23:54	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 23:54	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 23:54	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 23:54	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 23:54	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 23:54	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: MB 885-10760/30
Matrix: Water
Analysis Batch: 10760

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 23:54	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 23:54	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 23:54	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 23:54	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 23:54	1
Naphthalene	ND		2.0	0.24	ug/L			08/22/24 23:54	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 23:54	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 23:54	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 23:54	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 23:54	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 23:54	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 23:54	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 23:54	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 23:54	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 23:54	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 23:54	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/22/24 23:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/22/24 23:54*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/22/24 23:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*08/22/24 23:54*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/22/24 23:54*	*1*

Lab Sample ID: MB 885-10760/4
Matrix: Water
Analysis Batch: 10760

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/22/24 11:00	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/22/24 11:00	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/22/24 11:00	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/22/24 11:00	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/22/24 11:00	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/22/24 11:00	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/22/24 11:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/22/24 11:00	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/22/24 11:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/22/24 11:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/22/24 11:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/22/24 11:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/22/24 11:00	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/22/24 11:00	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/22/24 11:00	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/22/24 11:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/22/24 11:00	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/22/24 11:00	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/22/24 11:00	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: MB 885-10760/4
Matrix: Water
Analysis Batch: 10760

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/22/24 11:00	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 11:00	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/22/24 11:00	1
2-Butanone	ND		10	2.0	ug/L			08/22/24 11:00	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 11:00	1
2-Hexanone	ND		10	1.8	ug/L			08/22/24 11:00	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/22/24 11:00	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/22/24 11:00	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/22/24 11:00	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/22/24 11:00	1
Acetone	ND		10	2.5	ug/L			08/22/24 11:00	1
Benzene	ND		1.0	0.23	ug/L			08/22/24 11:00	1
Bromobenzene	ND		1.0	0.28	ug/L			08/22/24 11:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/22/24 11:00	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/22/24 11:00	1
Bromoform	ND		1.0	0.31	ug/L			08/22/24 11:00	1
Bromomethane	ND		3.0	1.0	ug/L			08/22/24 11:00	1
Carbon disulfide	ND		10	1.0	ug/L			08/22/24 11:00	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/22/24 11:00	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/22/24 11:00	1
Chloroethane	ND		2.0	0.38	ug/L			08/22/24 11:00	1
Chloroform	ND		1.0	0.25	ug/L			08/22/24 11:00	1
Chloromethane	ND		3.0	0.41	ug/L			08/22/24 11:00	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/22/24 11:00	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/22/24 11:00	1
Dibromomethane	ND		1.0	0.31	ug/L			08/22/24 11:00	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/22/24 11:00	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/22/24 11:00	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/22/24 11:00	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/22/24 11:00	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/22/24 11:00	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/22/24 11:00	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/22/24 11:00	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/22/24 11:00	1
Naphthalene	ND		2.0	0.24	ug/L			08/22/24 11:00	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/22/24 11:00	1
Styrene	ND		1.0	0.14	ug/L			08/22/24 11:00	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/22/24 11:00	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/22/24 11:00	1
Toluene	ND		1.0	0.25	ug/L			08/22/24 11:00	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/22/24 11:00	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/22/24 11:00	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/22/24 11:00	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/22/24 11:00	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/22/24 11:00	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/22/24 11:00	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: MB 885-10760/4
Matrix: Water
Analysis Batch: 10760

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		08/22/24 11:00	1
Toluene-d8 (Surr)	97		70 - 130		08/22/24 11:00	1
4-Bromofluorobenzene (Surr)	100		70 - 130		08/22/24 11:00	1
Dibromofluoromethane (Surr)	101		70 - 130		08/22/24 11:00	1

Lab Sample ID: LCS 885-10760/29
Matrix: Water
Analysis Batch: 10760

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.7		ug/L		98	70 - 130
Benzene	20.1	20.3		ug/L		101	70 - 130
Chlorobenzene	20.1	20.9		ug/L		104	70 - 130
Toluene	20.2	20.7		ug/L		103	70 - 130
Trichloroethene (TCE)	20.2	19.2		ug/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

Lab Sample ID: LCS 885-10760/3
Matrix: Water
Analysis Batch: 10760

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.5		ug/L		97	70 - 130
Benzene	20.1	20.5		ug/L		102	70 - 130
Chlorobenzene	20.1	21.0		ug/L		105	70 - 130
Toluene	20.2	20.7		ug/L		103	70 - 130
Trichloroethene (TCE)	20.2	19.0		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130

Lab Sample ID: MB 885-10869/4
Matrix: Water
Analysis Batch: 10869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 12:13	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 12:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 12:13	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: MB 885-10869/4
Matrix: Water
Analysis Batch: 10869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 12:13	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 12:13	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 12:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 12:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 12:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 12:13	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 12:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 12:13	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 12:13	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 12:13	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 12:13	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 12:13	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 12:13	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 12:13	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 12:13	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 12:13	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 12:13	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 12:13	1
Acetone	ND		10	2.5	ug/L			08/23/24 12:13	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 12:13	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 12:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 12:13	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 12:13	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 12:13	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 12:13	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 12:13	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 12:13	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 12:13	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 12:13	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 12:13	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 12:13	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 12:13	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 12:13	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 12:13	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 12:13	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 12:13	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 12:13	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 12:13	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: MB 885-10869/4
Matrix: Water
Analysis Batch: 10869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.325	J	2.0	0.24	ug/L			08/23/24 12:13	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 12:13	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 12:13	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 12:13	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 12:13	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 12:13	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 12:13	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 12:13	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*08/23/24 12:13*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/23/24 12:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/23/24 12:13*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/23/24 12:13*	*1*

Lab Sample ID: LCS 885-10869/3
Matrix: Water
Analysis Batch: 10869

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.9		ug/L		99	70 - 130
Benzene	20.1	20.3		ug/L		101	70 - 130
Chlorobenzene	20.1	20.7		ug/L		103	70 - 130
Toluene	20.2	20.5		ug/L		102	70 - 130
Trichloroethene (TCE)	20.2	19.2		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10148/1-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,3-Dichlorobenzene	ND		12	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
1,4-Dichlorobenzene	ND		12	10	ug/L		08/13/24 07:08	08/26/24 17:09	1
1-Methylnaphthalene	ND		10	8.5	ug/L		08/13/24 07:08	08/26/24 17:09	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-10148/1-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dinitrophenol	ND		30	27	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		08/13/24 07:08	08/26/24 17:09	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Chloronaphthalene	ND		10	8.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Chlorophenol	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Methylnaphthalene	ND		5.0	2.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Methylphenol	ND		10	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Nitroaniline	ND		10	5.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
2-Nitrophenol	ND		10	4.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
3-Nitroaniline	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chloroaniline	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Nitroaniline	ND		5.0	4.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
4-Nitrophenol	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Acenaphthene	ND		10	7.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Acenaphthylene	ND		5.0	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Aniline	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Anthracene	ND		5.0	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Azobenzene	ND		10	3.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[a]anthracene	ND		10	6.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzoic acid	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
Benzyl alcohol	ND		5.0	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		08/13/24 07:08	08/26/24 17:09	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		08/13/24 07:08	08/26/24 17:09	1
Carbazole	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Chrysene	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dibenzofuran	ND		10	4.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Diethyl phthalate	ND		10	5.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Dimethyl phthalate	ND		10	5.4	ug/L		08/13/24 07:08	08/26/24 17:09	1
Fluoranthene	ND		10	5.5	ug/L		08/13/24 07:08	08/26/24 17:09	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-10148/1-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		5.0	4.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorobenzene	ND		20	4.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorobutadiene	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Hexachloroethane	ND		20	11	ug/L		08/13/24 07:08	08/26/24 17:09	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Isophorone	ND		5.0	4.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		08/13/24 07:08	08/26/24 17:09	1
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
Naphthalene	ND		5.0	3.3	ug/L		08/13/24 07:08	08/26/24 17:09	1
Nitrobenzene	ND		5.0	3.6	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pentachlorophenol	ND		20	15	ug/L		08/13/24 07:08	08/26/24 17:09	1
Phenanthrene	ND		5.0	4.8	ug/L		08/13/24 07:08	08/26/24 17:09	1
Phenol	ND		10	3.9	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pyrene	ND		10	5.2	ug/L		08/13/24 07:08	08/26/24 17:09	1
Pyridine	ND		20	2.6	ug/L		08/13/24 07:08	08/26/24 17:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*19*		*15 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
2-Fluorophenol (Surr)	*25*		*15 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
2,4,6-Tribromophenol (Surr)	*35*		*15 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
Nitrobenzene-d5 (Surr)	*31*		*29 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
2-Fluorobiphenyl (Surr)	*27*		*20 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*
p-Terphenyl-d14 (Surr)	*40*	*S1-*	*41 - 130*	*08/13/24 07:08*	*08/26/24 17:09*	*1*

Lab Sample ID: LCS 885-10148/2-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	28.5		ug/L		28	22 - 130
1,4-Dichlorobenzene	100	26.3		ug/L		26	22 - 130
2,4-Dinitrotoluene	100	26.6	*-	ug/L		27	38 - 130
2-Chlorophenol	200	86.3		ug/L		43	38 - 130
4-Chloro-3-methylphenol	200	77.3	*-	ug/L		39	42 - 130
4-Nitrophenol	200	39.1		ug/L		20	16 - 130
Acenaphthene	100	33.5	*-	ug/L		33	39 - 130
N-Nitrosodi-n-propylamine	100	38.5		ug/L		38	38 - 130
Pentachlorophenol	200	66.7		ug/L		33	15 - 130
Phenol	200	49.0	*-	ug/L		25	27 - 130
Pyrene	100	36.8	*-	ug/L		37	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*25*		*15 - 130*
2-Fluorophenol (Surr)	*33*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*41*		*15 - 130*
Nitrobenzene-d5 (Surr)	*42*		*29 - 130*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 885-10148/2-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	37		20 - 130
p-Terphenyl-d14 (Surr)	41		41 - 130

Lab Sample ID: LCSD 885-10148/3-A
Matrix: Water
Analysis Batch: 10960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10148

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			100	33.8		ug/L		34	22 - 130	17	42
1,4-Dichlorobenzene			100	31.2		ug/L		31	22 - 130	17	44
2,4-Dinitrotoluene			100	34.3	*-	ug/L		34	38 - 130	25	39
2-Chlorophenol			200	101		ug/L		50	38 - 130	15	65
4-Chloro-3-methylphenol			200	96.3		ug/L		48	42 - 130	22	48
4-Nitrophenol			200	51.8		ug/L		26	16 - 130	28	55
Acenaphthene			100	40.2		ug/L		40	39 - 130	18	45
N-Nitrosodi-n-propylamine			100	47.0		ug/L		47	38 - 130	20	44
Pentachlorophenol			200	81.4		ug/L		41	15 - 130	20	55
Phenol			200	59.1		ug/L		30	27 - 130	19	49
Pyrene			100	48.9	*- *1	ug/L		49	65 - 130	28	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	31		15 - 130
2-Fluorophenol (Surr)	41		15 - 130
2,4,6-Tribromophenol (Surr)	52		15 - 130
Nitrobenzene-d5 (Surr)	50		29 - 130
2-Fluorobiphenyl (Surr)	40		20 - 130
p-Terphenyl-d14 (Surr)	58		41 - 130

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10662/26
Matrix: Water
Analysis Batch: 10662

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 270		08/20/24 11:54	1

Lab Sample ID: LCS 885-10662/25
Matrix: Water
Analysis Batch: 10662

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.483		mg/L		97	70 - 130		

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-10662/25
Matrix: Water
Analysis Batch: 10662

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	195		15 - 270

Lab Sample ID: 885-9637-7 MS
Matrix: Water
Analysis Batch: 10662

Client Sample ID: MW-65
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	3.1		10.0	10.5		mg/L		74	41 - 148		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	206		15 - 270

Lab Sample ID: 885-9637-7 MSD
Matrix: Water
Analysis Batch: 10662

Client Sample ID: MW-65
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	3.1		10.0	10.7		mg/L		76	41 - 148	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	215		15 - 270

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-10235/1-A
Matrix: Water
Analysis Batch: 10596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.0721	J	0.19	0.067	mg/L		08/14/24 07:00	08/21/24 01:52	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 07:00	08/21/24 01:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		33 - 159	08/14/24 07:00	08/21/24 01:52	1

Lab Sample ID: LCS 885-10235/2-A
Matrix: Water
Analysis Batch: 10596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	0.114	J	mg/L		61	33 - 149		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	87		33 - 159

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCSD 885-10235/3-A
Matrix: Water
Analysis Batch: 10596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10235

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	0.100	J	mg/L		53	33 - 149	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*

Lab Sample ID: MB 885-10250/1-A
Matrix: Water
Analysis Batch: 10844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/14/24 09:20	08/22/24 16:39	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 09:20	08/22/24 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*	*08/14/24 09:20*	*08/22/24 16:39*	*1*

Lab Sample ID: LCS 885-10250/2-A
Matrix: Water
Analysis Batch: 10844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10250

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	0.145	J	mg/L		78	33 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*94*		*33 - 159*

Lab Sample ID: LCSD 885-10250/3-A
Matrix: Water
Analysis Batch: 10844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10250

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	0.183	J *1	mg/L		97	33 - 149	23	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10239/10
Matrix: Water
Analysis Batch: 10239

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/13/24 08:16	1
Chloride	ND		0.50	0.25	mg/L			08/13/24 08:16	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-10239/10
Matrix: Water
Analysis Batch: 10239

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		0.50	0.25	mg/L			08/13/24 08:16	1
Fluoride	ND		0.10	0.046	mg/L			08/13/24 08:16	1

Lab Sample ID: LCS 885-10239/11
Matrix: Water
Analysis Batch: 10239

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.41		mg/L		96	90 - 110
Chloride	5.00	4.81		mg/L		96	90 - 110
Sulfate	10.0	9.43		mg/L		94	90 - 110
Fluoride	0.500	0.520		mg/L		104	90 - 110

Lab Sample ID: MRL 885-10239/9
Matrix: Water
Analysis Batch: 10239

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.108		mg/L		108	50 - 150
Chloride	0.500	0.524		mg/L		105	50 - 150
Sulfate	0.500	0.522		mg/L		104	50 - 150
Fluoride	0.100	0.113		mg/L		113	50 - 150

Lab Sample ID: 885-9637-1 MS
Matrix: Water
Analysis Batch: 10239

Client Sample ID: MW-68
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.57		2.50	2.89		mg/L		93	80 - 120
Fluoride	0.42		0.500	0.907		mg/L		98	70 - 130

Lab Sample ID: 885-9637-1 MSD
Matrix: Water
Analysis Batch: 10239

Client Sample ID: MW-68
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	0.57		2.50	2.89		mg/L		93	80 - 120	0	20
Fluoride	0.42		0.500	0.906		mg/L		98	70 - 130	0	20

Lab Sample ID: MB 885-10240/18
Matrix: Water
Analysis Batch: 10240

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	0.022	mg/L			08/13/24 08:16	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-10240/19
Matrix: Water
Analysis Batch: 10240

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	3.50	3.50		mg/L		100	90 - 110

Lab Sample ID: MRL 885-10240/17
Matrix: Water
Analysis Batch: 10240

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.200	0.181	J	mg/L		91	50 - 150

Lab Sample ID: MB 885-10479/26
Matrix: Water
Analysis Batch: 10479

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/16/24 09:53	1
Chloride	ND		0.50	0.25	mg/L			08/16/24 09:53	1
Sulfate	ND		0.50	0.25	mg/L			08/16/24 09:53	1
Fluoride	ND		0.10	0.046	mg/L			08/16/24 09:53	1

Lab Sample ID: LCS 885-10479/27
Matrix: Water
Analysis Batch: 10479

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.35		mg/L		94	90 - 110
Chloride	5.00	4.71		mg/L		94	90 - 110
Sulfate	10.0	9.19		mg/L		92	90 - 110
Fluoride	0.500	0.504		mg/L		101	90 - 110

Lab Sample ID: MRL 885-10479/25
Matrix: Water
Analysis Batch: 10479

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.107		mg/L		107	50 - 150
Chloride	0.500	0.529		mg/L		106	50 - 150
Sulfate	0.500	0.509		mg/L		102	50 - 150
Fluoride	0.100	0.109		mg/L		109	50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-11885/116
Matrix: Water
Analysis Batch: 11885

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/09/24 16:11	1
Iron	ND		0.020	0.017	mg/L			09/09/24 16:11	1
Magnesium	ND		1.0	0.098	mg/L			09/09/24 16:11	1
Manganese	ND		0.0020	0.00032	mg/L			09/09/24 16:11	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: MB 885-11885/116
Matrix: Water
Analysis Batch: 11885

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.020	0.0049	mg/L			09/09/24 16:11	1

Lab Sample ID: LCS 885-11885/118
Matrix: Water
Analysis Batch: 11885

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	52.5		mg/L		105	80 - 120
Iron	0.500	0.491		mg/L		98	80 - 120
Magnesium	50.0	53.7		mg/L		107	80 - 120
Manganese	0.500	0.434		mg/L		87	80 - 120
Zinc	0.500	0.442		mg/L		88	80 - 120

Lab Sample ID: LCSD 885-11885/119
Matrix: Water
Analysis Batch: 11885

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	54.9		mg/L		110	80 - 120	5	20
Iron	0.500	0.510		mg/L		102	80 - 120	4	20
Magnesium	50.0	55.7		mg/L		111	80 - 120	4	20
Manganese	0.500	0.456		mg/L		91	80 - 120	5	20
Zinc	0.500	0.464		mg/L		93	80 - 120	5	20

Lab Sample ID: MRL 885-11885/112
Matrix: Water
Analysis Batch: 11885

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.545	J	mg/L		109	50 - 150
Iron	0.0200	ND		mg/L		62	50 - 150
Magnesium	0.500	0.611	J	mg/L		122	50 - 150
Manganese	0.00200	0.00178	J	mg/L		89	50 - 150
Zinc	0.0100	0.0102	J	mg/L		102	50 - 150

Lab Sample ID: MB 885-12129/17
Matrix: Water
Analysis Batch: 12129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/12/24 07:11	1
Iron	ND		0.020	0.017	mg/L			09/12/24 07:11	1
Magnesium	ND		1.0	0.098	mg/L			09/12/24 07:11	1
Potassium	0.330	J	1.0	0.13	mg/L			09/12/24 07:11	1
Sodium	0.451	J	1.0	0.30	mg/L			09/12/24 07:11	1
Zinc	ND		0.020	0.0049	mg/L			09/12/24 07:11	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: LCS 885-12129/19
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	48.4		mg/L		97	80 - 120
Iron	0.500	0.445		mg/L		89	80 - 120
Magnesium	50.0	49.1		mg/L		98	80 - 120
Potassium	50.0	48.2		mg/L		96	80 - 120
Sodium	50.0	49.2		mg/L		98	80 - 120
Zinc	0.500	0.443		mg/L		89	80 - 120

Lab Sample ID: LCSD 885-12129/26
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	50.0	48.4		mg/L		97	80 - 120	0	20
Sodium	50.0	48.7		mg/L		97	80 - 120	1	20

Lab Sample ID: MRL 885-12129/14
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.498	J	mg/L		100	50 - 150
Iron	0.0200	ND		mg/L		98	50 - 150
Magnesium	0.500	0.534	J	mg/L		107	50 - 150
Manganese	0.00200	0.00198	J	mg/L		99	50 - 150
Potassium	0.500	0.761	J	mg/L		152	50 - 150
Sodium	0.500	1.03		mg/L		206	50 - 150
Zinc	0.0100	0.00933	J	mg/L		93	50 - 150

Lab Sample ID: MB 885-12132/12
Matrix: Water
Analysis Batch: 12132

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.00032	mg/L			09/12/24 12:35	1

Lab Sample ID: LCS 885-12132/14
Matrix: Water
Analysis Batch: 12132

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.528		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-12132/15
Matrix: Water
Analysis Batch: 12132

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.500	0.526		mg/L		105	80 - 120	0	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

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

Lab Sample ID: MRL 885-12132/9
Matrix: Water
Analysis Batch: 12132

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.00200	0.00194	J	mg/L		97	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-10851/9
Matrix: Water
Analysis Batch: 10851

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.00100	0.00108		mg/L		108	70 - 130

Lab Sample ID: MRL 885-10939/9
Matrix: Water
Analysis Batch: 10939

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00110		mg/L		110	70 - 130
Barium	0.00100	0.00109		mg/L		109	70 - 130
Cadmium	0.00100	0.000936	J	mg/L		94	70 - 130
Chromium	0.00100	0.00105		mg/L		105	70 - 130
Lead	0.00100	0.00104		mg/L		104	70 - 130
Selenium	0.00100	0.00103		mg/L		103	70 - 130
Silver	0.00100	0.00107		mg/L		107	70 - 130

Lab Sample ID: MRL 885-11041/14
Matrix: Water
Analysis Batch: 11041

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000902	J	mg/L		90	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000999	J	mg/L		100	70 - 130
Chromium	0.00100	0.00105		mg/L		105	70 - 130
Lead	0.00100	0.00103		mg/L		103	70 - 130
Selenium	0.00100	ND		mg/L		78	70 - 130
Silver	0.00100	0.00127		mg/L		127	70 - 130

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00114		mg/L		114	70 - 130
Barium	0.00100	0.00110		mg/L		110	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.000979	J	mg/L		98	70 - 130
Lead	0.00100	0.000995	J	mg/L		100	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-11165/9
Matrix: Water
Analysis Batch: 11165

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000935	J	mg/L		94	70 - 130
Barium	0.00100	0.000997	J	mg/L		100	70 - 130
Cadmium	0.00100	0.00107		mg/L		107	70 - 130
Chromium	0.00100	0.00100		mg/L		100	70 - 130
Lead	0.00100	0.00112		mg/L		112	70 - 130
Selenium	0.00100	0.00115		mg/L		115	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130

Lab Sample ID: MRL 885-11282/9
Matrix: Water
Analysis Batch: 11282

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00105		mg/L		105	70 - 130
Barium	0.00100	0.000980	J	mg/L		98	70 - 130
Cadmium	0.00100	0.000819	J	mg/L		82	70 - 130
Chromium	0.00100	0.000994	J	mg/L		99	70 - 130
Lead	0.00100	0.000974	J	mg/L		97	70 - 130
Selenium	0.00100	0.000864	J	mg/L		86	70 - 130
Silver	0.00100	0.00128		mg/L		128	70 - 130

Lab Sample ID: MB 885-11856/15
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 09:57	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1

Lab Sample ID: LCS 885-11856/25
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0482		mg/L		96	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120
Copper	0.0500	0.0506		mg/L		101	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-11856/25
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	0.0500	0.0530		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0496		mg/L		99	80 - 120	0	20
Barium	0.0500	0.0520		mg/L		104	80 - 120	1	20
Cadmium	0.0500	0.0509		mg/L		102	80 - 120	0	20
Chromium	0.0500	0.0493		mg/L		99	80 - 120	0	20
Lead	0.0500	0.0524		mg/L		105	80 - 120	0	20
Selenium	0.0500	0.0501		mg/L		100	80 - 120	1	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Copper	0.0500	0.0509		mg/L		102	80 - 120	1	20
Uranium	0.0500	0.0525		mg/L		105	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000999	J	mg/L		100	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000858	J	mg/L		86	70 - 130
Chromium	0.00100	0.00107		mg/L		107	70 - 130
Lead	0.00100	0.00113		mg/L		113	70 - 130
Selenium	0.00100	0.00118		mg/L		118	70 - 130
Silver	0.00100	0.00125		mg/L		125	70 - 130
Copper	0.00100	0.00101		mg/L		101	70 - 130
Uranium	0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10427

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5
Lead	ND		0.0050	0.0030	mg/L		08/14/24 13:51	08/15/24 18:00	5
Silver	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/15/24 18:00	5

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10672

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/20/24 13:07	5
Barium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/20/24 13:07	5

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-10281/1-A
Matrix: Water
Analysis Batch: 10672

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/20/24 13:07	5
Chromium	ND		0.0050	0.0025	mg/L		08/14/24 13:51	08/20/24 13:07	5
Lead	ND		0.0050	0.0030	mg/L		08/14/24 13:51	08/20/24 13:07	5
Selenium	ND		0.0050	0.0040	mg/L		08/14/24 13:51	08/20/24 13:07	5

Lab Sample ID: LCS 885-10281/3-A
Matrix: Water
Analysis Batch: 10427

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0542		mg/L		108	80 - 120
Cadmium	0.0500	0.0476		mg/L		95	80 - 120
Chromium	0.0500	0.0483		mg/L		97	80 - 120
Lead	0.0500	0.0514		mg/L		103	80 - 120
Silver	0.0250	0.0244		mg/L		97	80 - 120

Lab Sample ID: LCS 885-10281/3-A
Matrix: Water
Analysis Batch: 10672

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0553		mg/L		111	80 - 120
Barium	0.0500	0.0550		mg/L		110	80 - 120
Cadmium	0.0500	0.0576		mg/L		115	80 - 120
Chromium	0.0500	0.0523		mg/L		105	80 - 120
Lead	0.0500	0.0503		mg/L		101	80 - 120
Selenium	0.0500	0.0501		mg/L		100	80 - 120

Lab Sample ID: 885-9637-4 MS
Matrix: Water
Analysis Batch: 10851

Client Sample ID: MW-53
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	ND		0.0250	0.0254		mg/L		102	75 - 125

Lab Sample ID: 885-9637-4 MS
Matrix: Water
Analysis Batch: 10939

Client Sample ID: MW-53
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	ND		0.0500	0.0487		mg/L		97	75 - 125

Lab Sample ID: 885-9637-4 MSD
Matrix: Water
Analysis Batch: 10851

Client Sample ID: MW-53
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	ND		0.0250	0.0243		mg/L		97	75 - 125	4	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 885-9637-4 MSD
Matrix: Water
Analysis Batch: 10939

Client Sample ID: MW-53
Prep Type: Total Recoverable
Prep Batch: 10281

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND		0.0500	0.0463		mg/L		93	75 - 125	5	20

Lab Sample ID: MB 885-10332/1-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.50	0.25	mg/L		08/15/24 11:30	08/22/24 11:17	10

Lab Sample ID: LCS 885-10332/3-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	2.50	2.34		mg/L		94	80 - 120

Lab Sample ID: LLCS 885-10332/2-A
Matrix: Water
Analysis Batch: 10851

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10332

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.100	ND		mg/L		98	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-10176/9-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10176

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		66	50 - 150

Lab Sample ID: MB 885-10181/1-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/13/24 10:51	08/14/24 14:07	1

Lab Sample ID: LCS 885-10181/3-A
Matrix: Water
Analysis Batch: 10351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00527		mg/L		105	85 - 115

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LLCS 885-10181/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10351 — **Prep Batch: 10181**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	ND		mg/L		73	50 - 150

Lab Sample ID: MRL 885-10513/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10513**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000148	J	mg/L		98	50 - 150

Lab Sample ID: MB 885-10516/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10516**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:56	08/21/24 10:18	1

Lab Sample ID: LCS 885-10516/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10516**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00558		mg/L		112	85 - 115

Lab Sample ID: LLCS 885-10516/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10516**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000150	J	mg/L		100	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-10840/2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/22/24 12:34	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/22/24 12:34	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/22/24 12:34	1

Lab Sample ID: MB 885-10840/25 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/22/24 16:47	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/22/24 16:47	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/22/24 16:47	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 885-10840/26
Matrix: Water
Analysis Batch: 10840

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	80.7		mg/L		95	90 - 110

Lab Sample ID: LCS 885-10840/3
Matrix: Water
Analysis Batch: 10840

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	81.3		mg/L		96	90 - 110

Lab Sample ID: MRL 885-10840/1
Matrix: Water
Analysis Batch: 10840

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	21.1		mg/L		99	50 - 150

Lab Sample ID: MB 885-11715/2
Matrix: Water
Analysis Batch: 11715

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			09/05/24 12:28	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			09/05/24 12:28	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			09/05/24 12:28	1

Lab Sample ID: LCS 885-11715/3
Matrix: Water
Analysis Batch: 11715

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	78.9		mg/L		93	90 - 110

Lab Sample ID: MRL 885-11715/1
Matrix: Water
Analysis Batch: 11715

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.2		mg/L		109	50 - 150

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-10839/25
Matrix: Water
Analysis Batch: 10839

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/22/24 16:47	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation (Continued)

Lab Sample ID: MB 885-11718/2
Matrix: Water
Analysis Batch: 11718

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			09/05/24 12:28	1

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

GC/MS VOA

Analysis Batch: 10760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	8260B	
885-9637-2	MW-67	Total/NA	Water	8260B	
885-9637-3	MW-70	Total/NA	Water	8260B	
885-9637-4	MW-53	Total/NA	Water	8260B	
885-9637-5	Trip Blank	Total/NA	Water	8260B	
885-9637-6	MW-63	Total/NA	Water	8260B	
885-9637-7	MW-65	Total/NA	Water	8260B	
MB 885-10760/30	Method Blank	Total/NA	Water	8260B	
MB 885-10760/4	Method Blank	Total/NA	Water	8260B	
LCS 885-10760/29	Lab Control Sample	Total/NA	Water	8260B	
LCS 885-10760/3	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 10869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-7	MW-65	Total/NA	Water	8260B	
885-9637-8	MW-59	Total/NA	Water	8260B	
885-9637-9	DUP B	Total/NA	Water	8260B	
MB 885-10869/4	Method Blank	Total/NA	Water	8260B	
LCS 885-10869/3	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 10148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-3	MW-70	Total/NA	Water	3510C	
885-9637-7	MW-65	Total/NA	Water	3510C	
885-9637-8	MW-59	Total/NA	Water	3510C	
885-9637-9	DUP B	Total/NA	Water	3510C	
MB 885-10148/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10148/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10148/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 10960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10148/1-A	Method Blank	Total/NA	Water	8270C	10148
LCS 885-10148/2-A	Lab Control Sample	Total/NA	Water	8270C	10148
LCSD 885-10148/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	10148

Analysis Batch: 11060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-3	MW-70	Total/NA	Water	8270C	10148
885-9637-7	MW-65	Total/NA	Water	8270C	10148
885-9637-8	MW-59	Total/NA	Water	8270C	10148
885-9637-9	DUP B	Total/NA	Water	8270C	10148

GC VOA

Analysis Batch: 10662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	8015M/D	
885-9637-2	MW-67	Total/NA	Water	8015M/D	
885-9637-3	MW-70	Total/NA	Water	8015M/D	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

GC VOA (Continued)

Analysis Batch: 10662 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-4	MW-53	Total/NA	Water	8015M/D	
885-9637-6	MW-63	Total/NA	Water	8015M/D	
885-9637-7	MW-65	Total/NA	Water	8015M/D	
885-9637-8	MW-59	Total/NA	Water	8015M/D	
885-9637-9	DUP B	Total/NA	Water	8015M/D	
MB 885-10662/26	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10662/25	Lab Control Sample	Total/NA	Water	8015M/D	
885-9637-7 MS	MW-65	Total/NA	Water	8015M/D	
885-9637-7 MSD	MW-65	Total/NA	Water	8015M/D	

GC Semi VOA

Prep Batch: 10235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	3510C	
885-9637-2	MW-67	Total/NA	Water	3510C	
885-9637-3	MW-70	Total/NA	Water	3510C	
885-9637-4	MW-53	Total/NA	Water	3510C	
885-9637-6	MW-63	Total/NA	Water	3510C	
MB 885-10235/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10235/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10235/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 10250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-7	MW-65	Total/NA	Water	3510C	
885-9637-8	MW-59	Total/NA	Water	3510C	
885-9637-9	DUP B	Total/NA	Water	3510C	
MB 885-10250/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10250/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10250/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 10596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	8015M/D	10235
885-9637-2	MW-67	Total/NA	Water	8015M/D	10235
885-9637-3	MW-70	Total/NA	Water	8015M/D	10235
885-9637-4	MW-53	Total/NA	Water	8015M/D	10235
885-9637-6	MW-63	Total/NA	Water	8015M/D	10235
MB 885-10235/1-A	Method Blank	Total/NA	Water	8015M/D	10235
LCS 885-10235/2-A	Lab Control Sample	Total/NA	Water	8015M/D	10235
LCSD 885-10235/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	10235

Analysis Batch: 10844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-7	MW-65	Total/NA	Water	8015M/D	10250
885-9637-8	MW-59	Total/NA	Water	8015M/D	10250
885-9637-9	DUP B	Total/NA	Water	8015M/D	10250
MB 885-10250/1-A	Method Blank	Total/NA	Water	8015M/D	10250
LCS 885-10250/2-A	Lab Control Sample	Total/NA	Water	8015M/D	10250
LCSD 885-10250/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	10250

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

HPLC/IC

Analysis Batch: 10239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	300.0	
885-9637-1	MW-68	Total/NA	Water	300.0	
885-9637-2	MW-67	Total/NA	Water	300.0	
885-9637-2	MW-67	Total/NA	Water	300.0	
885-9637-4	MW-53	Total/NA	Water	300.0	
885-9637-6	MW-63	Total/NA	Water	300.0	
885-9637-6	MW-63	Total/NA	Water	300.0	
885-9637-7	MW-65	Total/NA	Water	300.0	
885-9637-7	MW-65	Total/NA	Water	300.0	
885-9637-8	MW-59	Total/NA	Water	300.0	
885-9637-8	MW-59	Total/NA	Water	300.0	
885-9637-9	DUP B	Total/NA	Water	300.0	
885-9637-9	DUP B	Total/NA	Water	300.0	
MB 885-10239/10	Method Blank	Total/NA	Water	300.0	
LCS 885-10239/11	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10239/9	Lab Control Sample	Total/NA	Water	300.0	
885-9637-1 MS	MW-68	Total/NA	Water	300.0	
885-9637-1 MSD	MW-68	Total/NA	Water	300.0	

Analysis Batch: 10240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	300.0	
885-9637-1	MW-68	Total/NA	Water	300.0	
885-9637-2	MW-67	Total/NA	Water	300.0	
885-9637-2	MW-67	Total/NA	Water	300.0	
885-9637-4	MW-53	Total/NA	Water	300.0	
885-9637-4	MW-53	Total/NA	Water	300.0	
885-9637-6	MW-63	Total/NA	Water	300.0	
885-9637-7	MW-65	Total/NA	Water	300.0	
885-9637-7	MW-65	Total/NA	Water	300.0	
885-9637-8	MW-59	Total/NA	Water	300.0	
885-9637-8	MW-59	Total/NA	Water	300.0	
885-9637-9	DUP B	Total/NA	Water	300.0	
885-9637-9	DUP B	Total/NA	Water	300.0	
MB 885-10240/18	Method Blank	Total/NA	Water	300.0	
LCS 885-10240/19	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10240/17	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-4	MW-53	Total/NA	Water	300.0	
885-9637-6	MW-63	Total/NA	Water	300.0	
885-9637-8	MW-59	Total/NA	Water	300.0	
MB 885-10479/26	Method Blank	Total/NA	Water	300.0	
LCS 885-10479/27	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10479/25	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-6	MW-63	Total/NA	Water	300.0	
MB 885-10757/4	Method Blank	Total/NA	Water	300.0	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

HPLC/IC (Continued)

Analysis Batch: 10757 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-10757/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10757/3	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 10176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	7470A	
885-9637-2	MW-67	Total/NA	Water	7470A	
885-9637-4	MW-53	Total/NA	Water	7470A	
885-9637-6	MW-63	Total/NA	Water	7470A	
885-9637-7	MW-65	Total/NA	Water	7470A	
885-9637-8	MW-59	Total/NA	Water	7470A	
885-9637-9	DUP B	Total/NA	Water	7470A	
MB 885-10181/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10181/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10181/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 10281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total Recoverable	Water	3005A	
885-9637-2	MW-67	Total Recoverable	Water	3005A	
885-9637-4	MW-53	Total Recoverable	Water	3005A	
885-9637-6	MW-63	Total Recoverable	Water	3005A	
885-9637-7	MW-65	Total Recoverable	Water	3005A	
885-9637-8	MW-59	Total Recoverable	Water	3005A	
885-9637-9	DUP B	Total Recoverable	Water	3005A	
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
885-9637-4 MS	MW-53	Total Recoverable	Water	3005A	
885-9637-4 MSD	MW-53	Total Recoverable	Water	3005A	

Prep Batch: 10332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10332/1-A	Method Blank	Total Recoverable	Water	3050B	
LCS 885-10332/3-A	Lab Control Sample	Total Recoverable	Water	3050B	
LLCS 885-10332/2-A	Lab Control Sample	Total Recoverable	Water	3050B	

Analysis Batch: 10351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	7470A	10181
885-9637-2	MW-67	Total/NA	Water	7470A	10181
885-9637-4	MW-53	Total/NA	Water	7470A	10181
885-9637-7	MW-65	Total/NA	Water	7470A	10181
885-9637-8	MW-59	Total/NA	Water	7470A	10181
885-9637-9	DUP B	Total/NA	Water	7470A	10181
MB 885-10181/1-A	Method Blank	Total/NA	Water	7470A	10181

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Metals (Continued)

Analysis Batch: 10351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-10181/3-A	Lab Control Sample	Total/NA	Water	7470A	10181
LLCS 885-10181/2-A	Lab Control Sample	Total/NA	Water	7470A	10181
MRL 885-10176/9-A	Lab Control Sample	Total/NA	Water	7470A	10176

Analysis Batch: 10427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	6020A	10281
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10281

Prep Batch: 10513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Dissolved	Water	7470A	
885-9637-2	MW-67	Dissolved	Water	7470A	
885-9637-4	MW-53	Dissolved	Water	7470A	
885-9637-6	MW-63	Dissolved	Water	7470A	
885-9637-7	MW-65	Dissolved	Water	7470A	
885-9637-8	MW-59	Dissolved	Water	7470A	
885-9637-9	DUP B	Dissolved	Water	7470A	
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 10672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10281/1-A	Method Blank	Total Recoverable	Water	6020A	10281
LCS 885-10281/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10281

Analysis Batch: 10795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Dissolved	Water	7470A	10516
885-9637-2	MW-67	Dissolved	Water	7470A	10516
885-9637-4	MW-53	Dissolved	Water	7470A	10516
885-9637-6	MW-63	Dissolved	Water	7470A	10516
885-9637-6	MW-63	Total/NA	Water	7470A	10181
885-9637-7	MW-65	Dissolved	Water	7470A	10516
885-9637-8	MW-59	Dissolved	Water	7470A	10516
885-9637-9	DUP B	Dissolved	Water	7470A	10516
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	10516
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	10516
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	10516
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	7470A	10513

Analysis Batch: 10851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total Recoverable	Water	6020A	10281
885-9637-2	MW-67	Total Recoverable	Water	6020A	10281
885-9637-4	MW-53	Total Recoverable	Water	6020A	10281

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Metals (Continued)

Analysis Batch: 10851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-6	MW-63	Total Recoverable	Water	6020A	10281
885-9637-7	MW-65	Total Recoverable	Water	6020A	10281
885-9637-8	MW-59	Total Recoverable	Water	6020A	10281
885-9637-9	DUP B	Total Recoverable	Water	6020A	10281
MB 885-10332/1-A	Method Blank	Total Recoverable	Water	6020A	10332
LCS 885-10332/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10332
LLCS 885-10332/2-A	Lab Control Sample	Total Recoverable	Water	6020A	10332
MRL 885-10851/9	Lab Control Sample	Total/NA	Water	6020A	
885-9637-4 MS	MW-53	Total Recoverable	Water	6020A	10281
885-9637-4 MSD	MW-53	Total Recoverable	Water	6020A	10281

Analysis Batch: 10939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total Recoverable	Water	6020A	10281
885-9637-2	MW-67	Total Recoverable	Water	6020A	10281
885-9637-4	MW-53	Total Recoverable	Water	6020A	10281
885-9637-6	MW-63	Total Recoverable	Water	6020A	10281
MRL 885-10939/9	Lab Control Sample	Total/NA	Water	6020A	
885-9637-4 MS	MW-53	Total Recoverable	Water	6020A	10281
885-9637-4 MSD	MW-53	Total Recoverable	Water	6020A	10281

Analysis Batch: 11041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-7	MW-65	Total Recoverable	Water	6020A	10281
885-9637-8	MW-59	Total Recoverable	Water	6020A	10281
885-9637-9	DUP B	Total Recoverable	Water	6020A	10281
MRL 885-11041/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-11095/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-4	MW-53	Total Recoverable	Water	6020A	10281
885-9637-6	MW-63	Total Recoverable	Water	6020A	10281
MRL 885-11165/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total Recoverable	Water	6020A	10281
885-9637-2	MW-67	Total Recoverable	Water	6020A	10281
885-9637-4	MW-53	Total Recoverable	Water	6020A	10281
885-9637-6	MW-63	Total Recoverable	Water	6020A	10281
885-9637-7	MW-65	Total Recoverable	Water	6020A	10281
885-9637-8	MW-59	Total Recoverable	Water	6020A	10281
885-9637-9	DUP B	Total Recoverable	Water	6020A	10281
MRL 885-11282/9	Lab Control Sample	Total/NA	Water	6020A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Metals

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Dissolved	Water	6020A	
885-9637-2	MW-67	Dissolved	Water	6020A	
885-9637-4	MW-53	Dissolved	Water	6020A	
885-9637-6	MW-63	Dissolved	Water	6020A	
885-9637-7	MW-65	Dissolved	Water	6020A	
885-9637-8	MW-59	Dissolved	Water	6020A	
885-9637-9	DUP B	Dissolved	Water	6020A	
MB 885-11856/15	Method Blank	Total/NA	Water	6020A	
LCS 885-11856/25	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/26	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Dissolved	Water	6010B	
885-9637-2	MW-67	Dissolved	Water	6010B	
885-9637-4	MW-53	Dissolved	Water	6010B	
MB 885-11885/116	Method Blank	Total/NA	Water	6010B	
LCS 885-11885/118	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-11885/119	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-11885/112	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Dissolved	Water	6010B	
885-9637-2	MW-67	Dissolved	Water	6010B	
885-9637-2	MW-67	Dissolved	Water	6010B	
885-9637-4	MW-53	Dissolved	Water	6010B	
885-9637-4	MW-53	Dissolved	Water	6010B	
885-9637-6	MW-63	Dissolved	Water	6010B	
885-9637-6	MW-63	Dissolved	Water	6010B	
885-9637-7	MW-65	Dissolved	Water	6010B	
885-9637-7	MW-65	Dissolved	Water	6010B	
885-9637-8	MW-59	Dissolved	Water	6010B	
885-9637-8	MW-59	Dissolved	Water	6010B	
885-9637-9	DUP B	Dissolved	Water	6010B	
885-9637-9	DUP B	Dissolved	Water	6010B	
MB 885-12129/17	Method Blank	Total/NA	Water	6010B	
LCS 885-12129/19	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12129/26	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-12129/14	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-6	MW-63	Dissolved	Water	6010B	
885-9637-7	MW-65	Dissolved	Water	6010B	
885-9637-8	MW-59	Dissolved	Water	6010B	
885-9637-9	DUP B	Dissolved	Water	6010B	
MB 885-12132/12	Method Blank	Total/NA	Water	6010B	
LCS 885-12132/14	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12132/15	Lab Control Sample Dup	Total/NA	Water	6010B	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Metals (Continued)

Analysis Batch: 12132 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-12132/9	Lab Control Sample	Total/NA	Water	6010B	

General Chemistry

Analysis Batch: 10839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	SM 4500 CO2 D	
885-9637-2	MW-67	Total/NA	Water	SM 4500 CO2 D	
885-9637-4	MW-53	Total/NA	Water	SM 4500 CO2 D	
885-9637-6	MW-63	Total/NA	Water	SM 4500 CO2 D	
885-9637-7	MW-65	Total/NA	Water	SM 4500 CO2 D	
885-9637-8	MW-59	Total/NA	Water	SM 4500 CO2 D	
MB 885-10839/25	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-10839/26	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-10839/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Analysis Batch: 10840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-1	MW-68	Total/NA	Water	SM 2320B	
885-9637-2	MW-67	Total/NA	Water	SM 2320B	
885-9637-4	MW-53	Total/NA	Water	SM 2320B	
885-9637-6	MW-63	Total/NA	Water	SM 2320B	
885-9637-7	MW-65	Total/NA	Water	SM 2320B	
885-9637-8	MW-59	Total/NA	Water	SM 2320B	
MB 885-10840/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-10840/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-10840/26	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-10840/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-10840/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 11715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-9	DUP B	Total/NA	Water	SM 2320B	
MB 885-11715/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11715/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11715/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 11718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9637-9	DUP B	Total/NA	Water	SM 4500 CO2 D	
MB 885-11718/2	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11718/3	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11718/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-68
Lab Sample ID: 885-9637-1
Date Collected: 08/09/24 10:40
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/23/24 05:08
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 12:17
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 07:09
Total/NA	Analysis	300.0		1	10239	RC	EET ALB	08/13/24 09:30
Total/NA	Analysis	300.0		1	10240	RC	EET ALB	08/13/24 09:30
Total/NA	Analysis	300.0		20	10239	RC	EET ALB	08/13/24 09:43
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 18:46
Dissolved	Analysis	6010B		10	11885	VP	EET ALB	09/09/24 16:56
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 07:44
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:50
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:08
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 13:24
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 15:10
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 11:58
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:52
Total/NA	Analysis	SM 2320B		1	10840	DL	EET ALB	08/22/24 17:16
Total/NA	Analysis	SM 4500 CO2 D		1	10839	DL	EET ALB	08/22/24 17:16

Client Sample ID: MW-67
Lab Sample ID: 885-9637-2
Date Collected: 08/09/24 11:45
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/23/24 05:36
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 12:41
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 07:33
Total/NA	Analysis	300.0		1	10239	RC	EET ALB	08/13/24 10:45
Total/NA	Analysis	300.0		1	10240	RC	EET ALB	08/13/24 10:45
Total/NA	Analysis	300.0		20	10239	RC	EET ALB	08/13/24 10:57
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 18:59
Dissolved	Analysis	6010B		10	11885	VP	EET ALB	09/09/24 17:00
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 07:46
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 07:48
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:55

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-67
Lab Sample ID: 885-9637-2
Date Collected: 08/09/24 11:45
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:12
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 13:28
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 15:14
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:00
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:54
Total/NA	Analysis	SM 2320B		1	10840	DL	EET ALB	08/22/24 17:26
Total/NA	Analysis	SM 4500 CO2 D		1	10839	DL	EET ALB	08/22/24 17:26

Client Sample ID: MW-70
Lab Sample ID: 885-9637-3
Date Collected: 08/09/24 12:15
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/23/24 06:05
Total/NA	Prep	3510C			10148	JM	EET ALB	08/13/24 07:08
Total/NA	Analysis	8270C		1	11060	MB	EET ALB	08/27/24 13:37
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 13:04
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 07:57

Client Sample ID: MW-53
Lab Sample ID: 885-9637-4
Date Collected: 08/09/24 13:00
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/23/24 06:33
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 13:28
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 08:21
Total/NA	Analysis	300.0		1	10239	RC	EET ALB	08/13/24 11:09
Total/NA	Analysis	300.0		1	10240	RC	EET ALB	08/13/24 11:09
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 19:11
Total/NA	Analysis	300.0		50	10479	RC	EET ALB	08/16/24 18:44
Dissolved	Analysis	6010B		10	11885	VP	EET ALB	09/09/24 17:13
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 07:52
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 07:55
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 11:59

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-53
Lab Sample ID: 885-9637-4
Date Collected: 08/09/24 13:00
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:15
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 13:33
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		10	11165	BV	EET ALB	08/27/24 13:02
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 15:19
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:03
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 16:56
Total/NA	Analysis	SM 2320B		1	10840	DL	EET ALB	08/22/24 17:37
Total/NA	Analysis	SM 4500 CO2 D		1	10839	DL	EET ALB	08/22/24 17:37

Client Sample ID: Trip Blank
Lab Sample ID: 885-9637-5
Date Collected: 08/09/24 13:40
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/23/24 07:02

Client Sample ID: MW-63
Lab Sample ID: 885-9637-6
Date Collected: 08/09/24 11:50
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/23/24 07:30
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 13:52
Total/NA	Prep	3510C			10235	JM	EET ALB	08/14/24 07:00
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/21/24 08:45
Total/NA	Analysis	300.0		1	10239	RC	EET ALB	08/13/24 11:34
Total/NA	Analysis	300.0		1	10240	RC	EET ALB	08/13/24 11:34
Total/NA	Analysis	300.0		20	10239	RC	EET ALB	08/13/24 11:46
Total/NA	Analysis	300.0		50	10479	RC	EET ALB	08/16/24 18:56
Total/NA	Analysis	300.0		10	10757	RC	EET ALB	08/21/24 13:43
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 08:00
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 08:02
Dissolved	Analysis	6010B		1	12132	VP	EET ALB	09/12/24 12:46
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:04
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:34

Lab Chronicle

Client: Ensolum LLC

Job ID: 885-9637-1

Project/Site: Bloomfield Terminal

Client Sample ID: MW-63

Lab Sample ID: 885-9637-6

Date Collected: 08/09/24 11:50

Matrix: Water

Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10939	BV	EET ALB	08/23/24 13:46
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		10	11165	BV	EET ALB	08/27/24 13:07
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 15:23
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:10
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 10:35
Total/NA	Analysis	SM 2320B		1	10840	DL	EET ALB	08/22/24 17:51
Total/NA	Analysis	SM 4500 CO2 D		1	10839	DL	EET ALB	08/22/24 17:51

Client Sample ID: MW-65

Lab Sample ID: 885-9637-7

Date Collected: 08/09/24 13:15

Matrix: Water

Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10760	JR	EET ALB	08/23/24 07:59
Total/NA	Analysis	8260B		10	10869	RA	EET ALB	08/23/24 15:06
Total/NA	Prep	3510C			10148	JM	EET ALB	08/13/24 07:08
Total/NA	Analysis	8270C		1	11060	MB	EET ALB	08/27/24 12:54
Total/NA	Analysis	8015M/D		20	10662	JP	EET ALB	08/20/24 14:39
Total/NA	Prep	3510C			10250	JM	EET ALB	08/14/24 09:20
Total/NA	Analysis	8015M/D		1	10844	KR	EET ALB	08/22/24 18:14
Total/NA	Analysis	300.0		5	10239	RC	EET ALB	08/13/24 11:59
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 11:59
Total/NA	Analysis	300.0		20	10239	RC	EET ALB	08/13/24 12:11
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 20:13
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 08:12
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 08:14
Dissolved	Analysis	6010B		10	12132	VP	EET ALB	09/12/24 12:48
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:08
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:37
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 11:50
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		100	11282	BV	EET ALB	08/28/24 15:28
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:13
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 17:01

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-65
Lab Sample ID: 885-9637-7
Date Collected: 08/09/24 13:15
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2320B		2.5	10840	DL	EET ALB	08/22/24 21:18
Total/NA	Analysis	SM 4500 CO2 D		2.5	10839	DL	EET ALB	08/22/24 21:18

Client Sample ID: MW-59
Lab Sample ID: 885-9637-8
Date Collected: 08/09/24 14:25
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	10869	RA	EET ALB	08/23/24 13:11
Total/NA	Prep	3510C			10148	JM	EET ALB	08/13/24 07:08
Total/NA	Analysis	8270C		1	11060	MB	EET ALB	08/27/24 14:20
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 14:15
Total/NA	Prep	3510C			10250	JM	EET ALB	08/14/24 09:20
Total/NA	Analysis	8015M/D		1	10844	KR	EET ALB	08/22/24 18:39
Total/NA	Analysis	300.0		5	10239	RC	EET ALB	08/13/24 12:48
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 12:48
Total/NA	Analysis	300.0		20	10239	RC	EET ALB	08/13/24 13:00
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 20:25
Total/NA	Analysis	300.0		50	10479	RC	EET ALB	08/16/24 19:08
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 08:16
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 08:19
Dissolved	Analysis	6010B		1	12132	VP	EET ALB	09/12/24 12:50
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:13
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:40
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 11:55
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		20	11282	BV	EET ALB	08/28/24 12:54
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:15
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 17:03
Total/NA	Analysis	SM 2320B		1	10840	DL	EET ALB	08/22/24 18:48
Total/NA	Analysis	SM 4500 CO2 D		1	10839	DL	EET ALB	08/22/24 18:48

Client Sample ID: DUP B
Lab Sample ID: 885-9637-9
Date Collected: 08/09/24 13:15
Matrix: Water
Date Received: 08/10/24 06:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	10869	RA	EET ALB	08/23/24 13:40

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Client Sample ID: DUP B

Date Collected: 08/09/24 13:15
Date Received: 08/10/24 06:25

Lab Sample ID: 885-9637-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			10148	JM	EET ALB	08/13/24 07:08
Total/NA	Analysis	8270C		1	11060	MB	EET ALB	08/27/24 15:04
Total/NA	Analysis	8015M/D		20	10662	JP	EET ALB	08/20/24 15:50
Total/NA	Prep	3510C			10250	JM	EET ALB	08/14/24 09:20
Total/NA	Analysis	8015M/D		1	10844	KR	EET ALB	08/22/24 19:04
Total/NA	Analysis	300.0		5	10239	RC	EET ALB	08/13/24 13:13
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 13:13
Total/NA	Analysis	300.0		20	10239	RC	EET ALB	08/13/24 13:25
Total/NA	Analysis	300.0		5	10240	RC	EET ALB	08/13/24 20:37
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 08:21
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 08:24
Dissolved	Analysis	6010B		10	12132	VP	EET ALB	09/12/24 12:52
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:17
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	10851	BV	EET ALB	08/22/24 12:44
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 11:59
Total Recoverable	Prep	3005A			10281	JE	EET ALB	08/14/24 13:52
Total Recoverable	Analysis	6020A		20	11282	BV	EET ALB	08/28/24 12:58
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:17
Total/NA	Prep	7470A			10181	JE	EET ALB	08/13/24 10:51
Total/NA	Analysis	7470A		1	10351	JR	EET ALB	08/14/24 17:06
Total/NA	Analysis	SM 2320B		2.5	11715	DL	EET ALB	09/05/24 14:57
Total/NA	Analysis	SM 4500 CO2 D		2.5	11718	DL	EET ALB	09/05/24 14:57

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9637-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol
8270C	3510C	Water	bis (2-Chloroisopropyl) ether

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9637-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

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Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albequerque
4901 Hawkins NE
Albuquerque NM 87109
Phone: (505) 345-3975

Chain of Custody Record

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885-9637 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environme

Client Contact	Project Manager: Devin Hencmann	Site Contact: Eric Carroll	Date:	COC No:
Ensolum LLC	Email: dhencmann@ensolum.com	Lab Contact: Andy Freeman	Carrier:	_____ of _____ COCs
776 E 2nd Avenue	Tel/Fax: 970-403-6023			TALS Project #:
Durango/CO/81301	Analysis Turnaround Time			Sampler:
(303) 842-9578 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Bloomfield Terminal	☐ 2 weeks			Lab Sampling:
Site: -	☐ 1 week			
P O # 07A2015013	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs (EPA Method 8260)	VOCs Target List (Method 8260)	SVOCs (Method 8270)	TPH - DRO/MRO (Method 8015DRO)	TPH- GRO (8015DROLL)	Total Recoverable Metals (6010/7470)	Total Dissolved Metals (6010/7470)	Alkalinity (310.1)	Anions (300.0)	Carbon Dioxide (310.1)	Sample Specific Notes:
MW-68	8/9/24	1040	G	GW	various	Y		X			X	X	X	X	X	X	X	1
MW-67	↓	1145	↓	↓	↓	Y		X			X	X	X	X	X	X	X	2
MW-70		1215				Y		X		X	X	X						3
MW-53		1300				Y		X			X	X	X	X	X	X	X	4
Trip Blank		1340				Y		X			X	X	X	X	X	X	X	EB 5
MW-63	8-9-24	1150				Y		X			X	X	X	X	X	X	X	6
MW-65		1315	G	GW	4vom	Y		X		X	X	X	X	X	X	X	X	7
MW-59		1425				Y		X		X	X	X	X	X	X	X	X	8
DUP B	↓	1315	↓	↓	↓	Y		X		X	X	X	X	X	X	X	X	9
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								2		1	2	2	4	4	1	3	1	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Level IV qc package

Cc: ecarroll@ensolum.com

1) 5.7 +0.2 = 5.9 c
2) 0.6 +0.2 = 0.8 c Yogi
3) 5.2 +0.2 = 5.4 c

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____			
Relinquished by: [signature]	Company: Ensolum	Date/Time: 8/9/24 1554	Received by: [signature]	Company: Eurofins	Date/Time: 8/9/24 1554
Relinquished by: [signature]	Company: Eurofins	Date/Time: 8/9/24 1721	Received by: [signature]	Company: Courier	Date/Time: 8/10/24 10:25
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-9637-1

Login Number: 9637 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

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JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-9798-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

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Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-9798-1

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-9798-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit

Definitions/Glossary

Client: Ensolum LLC Job ID: 885-9798-1
Project/Site: Bloomfield Terminal

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-9798-1

Job ID: 885-9798-1 Eurofins Albuquerque

Job Narrative
885-9798-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/14/2024 5:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

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

GC/MS Semi VOA
Method 8270C: The laboratory control sample (LCS) for preparation batch 885-10562 and analytical batch 885-11382 recovered outside acceptance limits for Pyrene. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported. The LCSD is passing for all analytes. The client sample is non-detect and will be reported as is.

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

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

Diesel Range Organics
Method 8015D_DRO_LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 885-10250 and analytical batch 885-10844 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28].

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

HPLC/IC
Method 300_OF_48H_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 885-10244 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Metals
Method 6010B - Dissolved: The RL for cations (Ca, K, Mg, Na) is 1ppm, and therefore, the MRL is recovering within the recovery limits.

(MRL 885-12129/14)

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

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

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-9798-1

Job ID: 885-9798-1 (Continued)

Eurofins Albuquerque

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-38

Date Collected: 08/13/24 09:25
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 15:35	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 15:35	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 15:35	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 15:35	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 15:35	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 15:35	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 15:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 15:35	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 15:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 15:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 15:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 15:35	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 15:35	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 15:35	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 15:35	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 15:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 15:35	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 15:35	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 15:35	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 15:35	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 15:35	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 15:35	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 15:35	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 15:35	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 15:35	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 15:35	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 15:35	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 15:35	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 15:35	1
Acetone	ND		10	2.5	ug/L			08/23/24 15:35	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 15:35	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 15:35	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 15:35	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 15:35	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 15:35	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 15:35	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 15:35	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 15:35	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 15:35	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 15:35	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 15:35	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 15:35	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 15:35	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 15:35	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 15:35	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 15:35	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 15:35	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 15:35	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 15:35	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-38

Date Collected: 08/13/24 09:25
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**0.49**	**J**	1.0	0.39	ug/L			08/23/24 15:35	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 15:35	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 15:35	1
N-Propylbenzene	**0.24**	**J**	1.0	0.11	ug/L			08/23/24 15:35	1
Naphthalene	ND		2.0	0.24	ug/L			08/23/24 15:35	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 15:35	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 15:35	1
tert-Butylbenzene	**0.61**	**J**	1.0	0.24	ug/L			08/23/24 15:35	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 15:35	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 15:35	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 15:35	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 15:35	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 15:35	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 15:35	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 15:35	1
Xylenes, Total	**0.43**	**J**	1.5	0.37	ug/L			08/23/24 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/23/24 15:35*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*08/23/24 15:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*08/23/24 15:35*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/23/24 15:35*	*1*

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		24	19	ug/L		08/20/24 06:53	08/28/24 13:37	1
1,2-Dichlorobenzene	ND		24	24	ug/L		08/20/24 06:53	08/28/24 13:37	1
1,3-Dichlorobenzene	ND		29	27	ug/L		08/20/24 06:53	08/28/24 13:37	1
1,4-Dichlorobenzene	ND		29	24	ug/L		08/20/24 06:53	08/28/24 13:37	1
1-Methylnaphthalene	ND		24	20	ug/L		08/20/24 06:53	08/28/24 13:37	1
2,4,5-Trichlorophenol	ND		24	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
2,4,6-Trichlorophenol	ND		24	10	ug/L		08/20/24 06:53	08/28/24 13:37	1
2,4-Dichlorophenol	ND		12	9.0	ug/L		08/20/24 06:53	08/28/24 13:37	1
2,4-Dimethylphenol	ND		24	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
2,4-Dinitrophenol	ND		71	65	ug/L		08/20/24 06:53	08/28/24 13:37	1
2,4-Dinitrotoluene	ND		12	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
2,6-Dinitrotoluene	ND		24	18	ug/L		08/20/24 06:53	08/28/24 13:37	1
2-Chloronaphthalene	ND		24	21	ug/L		08/20/24 06:53	08/28/24 13:37	1
2-Chlorophenol	ND		48	25	ug/L		08/20/24 06:53	08/28/24 13:37	1
2-Methylnaphthalene	ND		12	6.7	ug/L		08/20/24 06:53	08/28/24 13:37	1
2-Methylphenol	ND		24	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
2-Nitroaniline	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
2-Nitrophenol	ND		24	10	ug/L		08/20/24 06:53	08/28/24 13:37	1
3 & 4 Methylphenol	ND		24	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
3,3'-Dichlorobenzidine	ND		24	15	ug/L		08/20/24 06:53	08/28/24 13:37	1
3-Nitroaniline	ND		48	36	ug/L		08/20/24 06:53	08/28/24 13:37	1
4,6-Dinitro-2-methylphenol	ND		48	45	ug/L		08/20/24 06:53	08/28/24 13:37	1
4-Bromophenyl phenyl ether	ND		12	9.3	ug/L		08/20/24 06:53	08/28/24 13:37	1
4-Chloro-3-methylphenol	ND		12	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
4-Chloroaniline	ND		12	11	ug/L		08/20/24 06:53	08/28/24 13:37	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-38
Date Collected: 08/13/24 09:25
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-1
Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		12	9.2	ug/L		08/20/24 06:53	08/28/24 13:37	1
4-Nitroaniline	ND		12	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
4-Nitrophenol	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Acenaphthene	ND	*-	24	18	ug/L		08/20/24 06:53	08/28/24 13:37	1
Acenaphthylene	ND		12	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
Aniline	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Anthracene	ND		12	9.2	ug/L		08/20/24 06:53	08/28/24 13:37	1
Azobenzene	ND		24	9.0	ug/L		08/20/24 06:53	08/28/24 13:37	1
Benzo[a]anthracene	ND		24	16	ug/L		08/20/24 06:53	08/28/24 13:37	1
Benzo[a]pyrene	ND		12	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
Benzo[b]fluoranthene	ND		24	14	ug/L		08/20/24 06:53	08/28/24 13:37	1
Benzo[g,h,i]perylene	ND		12	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
Benzo[k]fluoranthene	ND		24	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
Benzoic acid	ND		48	36	ug/L		08/20/24 06:53	08/28/24 13:37	1
Benzyl alcohol	ND		12	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
Bis(2-ethylhexyl) phthalate	ND		24	23	ug/L		08/20/24 06:53	08/28/24 13:37	1
bis (2-Chloroisopropyl) ether	ND		12	8.6	ug/L		08/20/24 06:53	08/28/24 13:37	1
Bis(2-chloroethoxy)methane	ND		24	10	ug/L		08/20/24 06:53	08/28/24 13:37	1
Bis(2-chloroethyl)ether	ND		24	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
Butyl benzyl phthalate	ND		24	15	ug/L		08/20/24 06:53	08/28/24 13:37	1
Carbazole	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Chrysene	ND		12	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
Di-n-butyl phthalate	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Di-n-octyl phthalate	ND		24	18	ug/L		08/20/24 06:53	08/28/24 13:37	1
Dibenz(a,h)anthracene	ND		24	16	ug/L		08/20/24 06:53	08/28/24 13:37	1
Dibenzofuran	ND		24	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
Diethyl phthalate	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Dimethyl phthalate	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Fluoranthene	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Fluorene	ND		12	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
Hexachlorobenzene	ND		48	11	ug/L		08/20/24 06:53	08/28/24 13:37	1
Hexachlorobutadiene	ND		48	27	ug/L		08/20/24 06:53	08/28/24 13:37	1
Hexachlorocyclopentadiene	ND		48	21	ug/L		08/20/24 06:53	08/28/24 13:37	1
Hexachloroethane	ND		48	26	ug/L		08/20/24 06:53	08/28/24 13:37	1
Indeno[1,2,3-cd]pyrene	ND		24	13	ug/L		08/20/24 06:53	08/28/24 13:37	1
Isophorone	ND		12	10	ug/L		08/20/24 06:53	08/28/24 13:37	1
N-Nitrosodi-n-propylamine	ND		12	8.9	ug/L		08/20/24 06:53	08/28/24 13:37	1
N-Nitrosodimethylamine	ND		12	7.4	ug/L		08/20/24 06:53	08/28/24 13:37	1
N-Nitrosodiphenylamine	ND		24	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
Naphthalene	ND		12	7.9	ug/L		08/20/24 06:53	08/28/24 13:37	1
Nitrobenzene	ND		12	8.5	ug/L		08/20/24 06:53	08/28/24 13:37	1
Pentachlorophenol	ND		48	36	ug/L		08/20/24 06:53	08/28/24 13:37	1
Phenanthrene	ND		12	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
Phenol	ND		24	9.3	ug/L		08/20/24 06:53	08/28/24 13:37	1
Pyrene	ND	*-	24	12	ug/L		08/20/24 06:53	08/28/24 13:37	1
Pyridine	ND		48	6.2	ug/L		08/20/24 06:53	08/28/24 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*27*		*15 - 130*	*08/20/24 06:53*	*08/28/24 13:37*	*1*
2-Fluorophenol (Surr)	*38*		*15 - 130*	*08/20/24 06:53*	*08/28/24 13:37*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-38

Date Collected: 08/13/24 09:25
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-1

Matrix: Water

Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*15 - 130*	*08/20/24 06:53*	*08/28/24 13:37*	*1*
Nitrobenzene-d5 (Surr)	*70*		*29 - 130*	*08/20/24 06:53*	*08/28/24 13:37*	*1*
2-Fluorobiphenyl (Surr)	*65*		*20 - 130*	*08/20/24 06:53*	*08/28/24 13:37*	*1*
p-Terphenyl-d14 (Surr)	*76*		*41 - 130*	*08/20/24 06:53*	*08/28/24 13:37*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.027**	**J**	0.050	0.013	mg/L			08/21/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*15 - 270*		*08/21/24 16:43*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.32**	***1**	0.19	0.067	mg/L		08/14/24 09:20	08/22/24 19:28	1
Motor Oil Range Organics [C28-C40]	**0.077**	**J**	0.094	0.070	mg/L		08/14/24 09:20	08/22/24 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*89*		*33 - 159*	*08/14/24 09:20*	*08/22/24 19:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**3.2**		0.10	0.050	mg/L			08/14/24 14:57	1
Nitrate	**0.26**		0.10	0.020	mg/L			08/14/24 14:57	1
Chloride	**230**		10	5.0	mg/L			08/14/24 15:36	20
Nitrite	ND	F1	0.10	0.012	mg/L			08/14/24 14:57	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/14/24 14:57	1
Sulfate	**45**		0.50	0.25	mg/L			08/14/24 14:57	1
Fluoride	**0.83**		0.10	0.046	mg/L			08/14/24 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		10	0.89	mg/L			09/12/24 07:23	10
Iron	**1.8**		0.20	0.17	mg/L			09/12/24 07:23	10
Magnesium	**26**		10	0.98	mg/L			09/09/24 17:29	10
Manganese	**2.8**		0.020	0.0032	mg/L			09/12/24 12:42	10
Potassium	**7.1**	**J**	10	1.3	mg/L			09/12/24 07:23	10
Sodium	**300**		10	3.0	mg/L			09/12/24 07:23	10
Zinc	ND		0.20	0.049	mg/L			09/09/24 17:29	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0031**	**J**	0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:17	5
Barium	**0.81**		0.010	0.0050	mg/L		08/22/24 09:28	08/26/24 16:30	10
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:17	5
Chromium	**0.0093**		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:17	5
Lead	**0.0068**		0.0050	0.0030	mg/L		08/22/24 09:28	08/25/24 12:17	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 09:28	08/25/24 12:17	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:17	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-38

Date Collected: 08/13/24 09:25
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-1

Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:22	20
Barium	**0.59**		0.020	0.010	mg/L			09/06/24 12:22	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:22	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:22	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:22	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 12:22	20
Silver	ND		0.020	0.010	mg/L			09/06/24 12:22	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:22	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 12:22	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:20	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**700**		20	20	mg/L			08/27/24 13:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**700**		20	20	mg/L			08/27/24 13:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/27/24 13:17	1
Carbon dioxide (SM 4500 CO2 D)	**650**	**HF**	23	23	mg/L			08/27/24 13:17	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-13

Date Collected: 08/13/24 11:20
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 17:01	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 17:01	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 17:01	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 17:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 17:01	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 17:01	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 17:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 17:01	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 17:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 17:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 17:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 17:01	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 17:01	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 17:01	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 17:01	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 17:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 17:01	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 17:01	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 17:01	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 17:01	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 17:01	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 17:01	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 17:01	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 17:01	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 17:01	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 17:01	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 17:01	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 17:01	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 17:01	1
Acetone	**2.7**	**J**	10	2.5	ug/L			08/23/24 17:01	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 17:01	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 17:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 17:01	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 17:01	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 17:01	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 17:01	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 17:01	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 17:01	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 17:01	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 17:01	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 17:01	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 17:01	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 17:01	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 17:01	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 17:01	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 17:01	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 17:01	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 17:01	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 17:01	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-13

Date Collected: 08/13/24 11:20
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**1.0**		1.0	0.39	ug/L			08/23/24 17:01	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 17:01	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 17:01	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 17:01	1
Naphthalene	ND		2.0	0.24	ug/L			08/23/24 17:01	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 17:01	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 17:01	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 17:01	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 17:01	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 17:01	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 17:01	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 17:01	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 17:01	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 17:01	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 17:01	1
Xylenes, Total	**0.38**	**J**	1.5	0.37	ug/L			08/23/24 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*08/23/24 17:01*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/23/24 17:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/23/24 17:01*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/23/24 17:01*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*15 - 270*		*08/21/24 17:07*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.30**	***1**	0.19	0.067	mg/L		08/14/24 09:20	08/22/24 20:18	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 09:20	08/22/24 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*33 - 159*	*08/14/24 09:20*	*08/22/24 20:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**2.0**		0.10	0.050	mg/L			08/14/24 15:48	1
Nitrate	**1.1**		0.10	0.020	mg/L			08/14/24 15:48	1
Chloride	**110**		10	5.0	mg/L			08/14/24 16:01	20
Nitrite	**0.039**	**J**	0.10	0.012	mg/L			08/14/24 15:48	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/14/24 15:48	1
Sulfate	**840**		10	5.0	mg/L			08/14/24 16:01	20
Fluoride	ND		2.0	0.92	mg/L			08/14/24 16:01	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**210**		10	0.89	mg/L			09/12/24 07:30	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-13

Date Collected: 08/13/24 11:20
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-2

Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.20	0.17	mg/L			09/12/24 07:30	10
Magnesium	**81**		10	0.98	mg/L			09/12/24 07:30	10
Manganese	**0.72**		0.0020	0.00032	mg/L			09/12/24 12:44	1
Potassium	**5.2**		1.0	0.13	mg/L			09/12/24 07:27	1
Sodium	**510**		10	3.0	mg/L			09/12/24 07:30	10
Zinc	**0.067**	**J**	0.20	0.049	mg/L			09/12/24 07:30	10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:22	5
Barium	**0.031**		0.020	0.010	mg/L		08/22/24 09:28	08/28/24 14:52	20
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:22	5
Chromium	**0.071**		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:22	5
Lead	ND		0.020	0.012	mg/L		08/22/24 09:28	08/28/24 14:52	20
Selenium	**0.0052**		0.0050	0.0040	mg/L		08/22/24 09:28	08/25/24 12:22	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:22	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:26	20
Barium	**0.030**		0.020	0.010	mg/L			09/06/24 12:26	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:26	20
Chromium	**0.013**	**J**	0.020	0.010	mg/L			09/06/24 12:26	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:26	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 12:26	20
Silver	ND		0.020	0.010	mg/L			09/06/24 12:26	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:26	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 12:26	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:30	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**950**		20	20	mg/L			08/27/24 13:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**950**		20	20	mg/L			08/27/24 13:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/27/24 13:43	1
Carbon dioxide (SM 4500 CO2 D)	**890**	**HF**	23	23	mg/L			08/27/24 13:43	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: OW 16+60

Date Collected: 08/13/24 12:25
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	1.1	ug/L			08/23/24 17:30	5
Ethylbenzene	ND		5.0	1.1	ug/L			08/23/24 17:30	5
Toluene	ND		5.0	1.3	ug/L			08/23/24 17:30	5
Xylenes, Total	**2.1**	**J**	7.5	1.9	ug/L			08/23/24 17:30	5
Methyl-tert-butyl Ether (MTBE)	**270**		5.0	2.0	ug/L			08/23/24 17:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*08/23/24 17:30*	*5*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/23/24 17:30*	*5*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*08/23/24 17:30*	*5*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/23/24 17:30*	*5*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.75**		0.050	0.013	mg/L			08/21/24 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*		*15 - 270*		*08/21/24 17:31*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.1**	***1**	0.19	0.067	mg/L		08/14/24 09:20	08/22/24 21:07	1
Motor Oil Range Organics [C28-C40]	**0.13**		0.094	0.070	mg/L		08/14/24 09:20	08/22/24 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*81*		*33 - 159*	*08/14/24 09:20*	*08/22/24 21:07*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: CW 25+95

Date Collected: 08/13/24 13:20
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/23/24 17:58	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 17:58	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 17:58	1
Xylenes, Total	**0.37**	**J**	1.5	0.37	ug/L			08/23/24 17:58	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*08/23/24 17:58*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/23/24 17:58*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/23/24 17:58*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*08/23/24 17:58*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.073**	**J *1**	0.19	0.067	mg/L		08/14/24 09:20	08/22/24 20:43	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 09:20	08/22/24 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*	*08/14/24 09:20*	*08/22/24 20:43*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: Trip Blank

Date Collected: 08/13/24 13:40
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 18:27	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 18:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 18:27	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 18:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 18:27	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 18:27	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 18:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 18:27	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 18:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 18:27	1
1,2,4-Trimethylbenzene	**0.89**	**J**	1.0	0.12	ug/L			08/23/24 18:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 18:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 18:27	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 18:27	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 18:27	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 18:27	1
1,3,5-Trimethylbenzene	**0.35**	**J**	1.0	0.18	ug/L			08/23/24 18:27	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 18:27	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 18:27	1
1,4-Dichlorobenzene	**1.0**		1.0	0.10	ug/L			08/23/24 18:27	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 18:27	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 18:27	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 18:27	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 18:27	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 18:27	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 18:27	1
4-Chlorotoluene	**0.19**	**J**	1.0	0.13	ug/L			08/23/24 18:27	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 18:27	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 18:27	1
Acetone	ND		10	2.5	ug/L			08/23/24 18:27	1
Benzene	**0.28**	**J**	1.0	0.23	ug/L			08/23/24 18:27	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 18:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 18:27	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 18:27	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 18:27	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 18:27	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 18:27	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 18:27	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 18:27	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 18:27	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 18:27	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 18:27	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 18:27	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 18:27	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 18:27	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 18:27	1
Ethylbenzene	**0.57**	**J**	1.0	0.21	ug/L			08/23/24 18:27	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 18:27	1
Isopropylbenzene	**0.21**	**J**	1.0	0.18	ug/L			08/23/24 18:27	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: Trip Blank
Date Collected: 08/13/24 13:40
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 18:27	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 18:27	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 18:27	1
N-Propylbenzene	**0.28**	**J**	1.0	0.11	ug/L			08/23/24 18:27	1
Naphthalene	**0.85**	**J B**	2.0	0.24	ug/L			08/23/24 18:27	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 18:27	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 18:27	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 18:27	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 18:27	1
Toluene	**2.4**		1.0	0.25	ug/L			08/23/24 18:27	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 18:27	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 18:27	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 18:27	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 18:27	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 18:27	1
Xylenes, Total	**2.4**		1.5	0.37	ug/L			08/23/24 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*08/23/24 18:27*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*08/23/24 18:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*08/23/24 18:27*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*08/23/24 18:27*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10869/4
Matrix: Water
Analysis Batch: 10869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 12:13	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 12:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 12:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 12:13	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 12:13	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 12:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 12:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 12:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 12:13	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 12:13	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 12:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 12:13	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 12:13	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 12:13	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 12:13	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 12:13	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 12:13	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 12:13	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 12:13	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 12:13	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 12:13	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 12:13	1
Acetone	ND		10	2.5	ug/L			08/23/24 12:13	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 12:13	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 12:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 12:13	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 12:13	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 12:13	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 12:13	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 12:13	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 12:13	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 12:13	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 12:13	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 12:13	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 12:13	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 12:13	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 12:13	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 12:13	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

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

Lab Sample ID: MB 885-10869/4
Matrix: Water
Analysis Batch: 10869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 12:13	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 12:13	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 12:13	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 12:13	1
Naphthalene	0.325	J	2.0	0.24	ug/L			08/23/24 12:13	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 12:13	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 12:13	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 12:13	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 12:13	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 12:13	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 12:13	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 12:13	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 12:13	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*08/23/24 12:13*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/23/24 12:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/23/24 12:13*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/23/24 12:13*	*1*

Lab Sample ID: LCS 885-10869/3
Matrix: Water
Analysis Batch: 10869

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.9		ug/L		99	70 - 130
Benzene	20.1	20.3		ug/L		101	70 - 130
Chlorobenzene	20.1	20.7		ug/L		103	70 - 130
Toluene	20.2	20.5		ug/L		102	70 - 130
Trichloroethene (TCE)	20.2	19.2		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

Lab Sample ID: 885-9798-1 MS
Matrix: Water
Analysis Batch: 10869

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		20.1	19.2		ug/L		95	70 - 130
Benzene	ND		20.1	20.1		ug/L		100	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

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

Lab Sample ID: 885-9798-1 MS
Matrix: Water
Analysis Batch: 10869

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	ND		20.1	20.5		ug/L		102	70 - 130
Toluene	ND		20.2	20.2		ug/L		100	70 - 130
Trichloroethene (TCE)	ND		20.2	19.0		ug/L		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

Lab Sample ID: 885-9798-1 MSD
Matrix: Water
Analysis Batch: 10869

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.1	19.3		ug/L		96	70 - 130	1	20
Benzene	ND		20.1	19.9		ug/L		99	70 - 130	1	20
Chlorobenzene	ND		20.1	19.7		ug/L		98	70 - 130	4	20
Toluene	ND		20.2	19.3		ug/L		96	70 - 130	5	20
Trichloroethene (TCE)	ND		20.2	18.8		ug/L		93	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10562/1-A
Matrix: Water
Analysis Batch: 11166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	8.1	ug/L		08/20/24 06:53	08/28/24 10:48	1
1,2-Dichlorobenzene	ND		10	9.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
1,3-Dichlorobenzene	ND		12	11	ug/L		08/20/24 06:53	08/28/24 10:48	1
1,4-Dichlorobenzene	ND		12	10	ug/L		08/20/24 06:53	08/28/24 10:48	1
1-Methylnaphthalene	ND		10	8.5	ug/L		08/20/24 06:53	08/28/24 10:48	1
2,4,5-Trichlorophenol	ND		10	5.1	ug/L		08/20/24 06:53	08/28/24 10:48	1
2,4,6-Trichlorophenol	ND		10	4.3	ug/L		08/20/24 06:53	08/28/24 10:48	1
2,4-Dichlorophenol	ND		5.0	3.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
2,4-Dimethylphenol	ND		10	4.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
2,4-Dinitrophenol	ND		30	27	ug/L		08/20/24 06:53	08/28/24 10:48	1
2,4-Dinitrotoluene	ND		5.0	5.0	ug/L		08/20/24 06:53	08/28/24 10:48	1
2,6-Dinitrotoluene	ND		10	7.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
2-Chloronaphthalene	ND		10	8.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
2-Chlorophenol	ND		20	11	ug/L		08/20/24 06:53	08/28/24 10:48	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-10562/1-A
Matrix: Water
Analysis Batch: 11166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		5.0	2.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
2-Methylphenol	ND		10	4.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
2-Nitroaniline	ND		10	5.5	ug/L		08/20/24 06:53	08/28/24 10:48	1
2-Nitrophenol	ND		10	4.4	ug/L		08/20/24 06:53	08/28/24 10:48	1
3 & 4 Methylphenol	ND		10	4.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
3,3'-Dichlorobenzidine	ND		10	6.2	ug/L		08/20/24 06:53	08/28/24 10:48	1
3-Nitroaniline	ND		20	15	ug/L		08/20/24 06:53	08/28/24 10:48	1
4,6-Dinitro-2-methylphenol	ND		20	19	ug/L		08/20/24 06:53	08/28/24 10:48	1
4-Bromophenyl phenyl ether	ND		5.0	3.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
4-Chloro-3-methylphenol	ND		5.0	4.6	ug/L		08/20/24 06:53	08/28/24 10:48	1
4-Chloroaniline	ND		5.0	4.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
4-Chlorophenyl phenyl ether	ND		5.0	3.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
4-Nitroaniline	ND		5.0	4.5	ug/L		08/20/24 06:53	08/28/24 10:48	1
4-Nitrophenol	ND		10	5.3	ug/L		08/20/24 06:53	08/28/24 10:48	1
Acenaphthene	ND		10	7.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
Acenaphthylene	ND		5.0	4.6	ug/L		08/20/24 06:53	08/28/24 10:48	1
Aniline	ND		10	5.4	ug/L		08/20/24 06:53	08/28/24 10:48	1
Anthracene	ND		5.0	3.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
Azobenzene	ND		10	3.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
Benzo[a]anthracene	ND		10	6.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
Benzo[a]pyrene	ND		5.0	4.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
Benzo[b]fluoranthene	ND		10	5.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
Benzo[g,h,i]perylene	ND		5.0	4.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
Benzo[k]fluoranthene	ND		10	4.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
Benzoic acid	ND		20	15	ug/L		08/20/24 06:53	08/28/24 10:48	1
Benzyl alcohol	ND		5.0	4.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
Bis(2-ethylhexyl) phthalate	ND		10	9.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
bis (2-Chloroisopropyl) ether	ND		5.0	3.6	ug/L		08/20/24 06:53	08/28/24 10:48	1
Bis(2-chloroethoxy)methane	ND		10	4.3	ug/L		08/20/24 06:53	08/28/24 10:48	1
Bis(2-chloroethyl)ether	ND		10	5.0	ug/L		08/20/24 06:53	08/28/24 10:48	1
Butyl benzyl phthalate	ND		10	6.5	ug/L		08/20/24 06:53	08/28/24 10:48	1
Carbazole	ND		10	5.3	ug/L		08/20/24 06:53	08/28/24 10:48	1
Chrysene	ND		5.0	4.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
Di-n-butyl phthalate	ND		10	5.4	ug/L		08/20/24 06:53	08/28/24 10:48	1
Di-n-octyl phthalate	ND		10	7.6	ug/L		08/20/24 06:53	08/28/24 10:48	1
Dibenz(a,h)anthracene	ND		10	6.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
Dibenzofuran	ND		10	4.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
Diethyl phthalate	ND		10	5.6	ug/L		08/20/24 06:53	08/28/24 10:48	1
Dimethyl phthalate	ND		10	5.4	ug/L		08/20/24 06:53	08/28/24 10:48	1
Fluoranthene	ND		10	5.5	ug/L		08/20/24 06:53	08/28/24 10:48	1
Fluorene	ND		5.0	4.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
Hexachlorobenzene	ND		20	4.6	ug/L		08/20/24 06:53	08/28/24 10:48	1
Hexachlorobutadiene	ND		20	11	ug/L		08/20/24 06:53	08/28/24 10:48	1
Hexachlorocyclopentadiene	ND		20	8.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
Hexachloroethane	ND		20	11	ug/L		08/20/24 06:53	08/28/24 10:48	1
Indeno[1,2,3-cd]pyrene	ND		10	5.3	ug/L		08/20/24 06:53	08/28/24 10:48	1
Isophorone	ND		5.0	4.3	ug/L		08/20/24 06:53	08/28/24 10:48	1
N-Nitrosodi-n-propylamine	ND		5.0	3.7	ug/L		08/20/24 06:53	08/28/24 10:48	1
N-Nitrosodimethylamine	ND		5.0	3.1	ug/L		08/20/24 06:53	08/28/24 10:48	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-10562/1-A
Matrix: Water
Analysis Batch: 11166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		10	5.2	ug/L		08/20/24 06:53	08/28/24 10:48	1
Naphthalene	ND		5.0	3.3	ug/L		08/20/24 06:53	08/28/24 10:48	1
Nitrobenzene	ND		5.0	3.6	ug/L		08/20/24 06:53	08/28/24 10:48	1
Pentachlorophenol	ND		20	15	ug/L		08/20/24 06:53	08/28/24 10:48	1
Phenanthrene	ND		5.0	4.8	ug/L		08/20/24 06:53	08/28/24 10:48	1
Phenol	ND		10	3.9	ug/L		08/20/24 06:53	08/28/24 10:48	1
Pyrene	ND		10	5.2	ug/L		08/20/24 06:53	08/28/24 10:48	1
Pyridine	ND		20	2.6	ug/L		08/20/24 06:53	08/28/24 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5 (Surr)	*50*		*15 - 130*	*08/20/24 06:53*	*08/28/24 10:48*	*1*
2-Fluorophenol (Surr)	*66*		*15 - 130*	*08/20/24 06:53*	*08/28/24 10:48*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*15 - 130*	*08/20/24 06:53*	*08/28/24 10:48*	*1*
Nitrobenzene-d5 (Surr)	*81*		*29 - 130*	*08/20/24 06:53*	*08/28/24 10:48*	*1*
2-Fluorobiphenyl (Surr)	*60*		*20 - 130*	*08/20/24 06:53*	*08/28/24 10:48*	*1*
p-Terphenyl-d14 (Surr)	*84*		*41 - 130*	*08/20/24 06:53*	*08/28/24 10:48*	*1*

Lab Sample ID: LCS 885-10562/2-A
Matrix: Water
Analysis Batch: 11166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	40.9		ug/L		41	22 - 130
1,4-Dichlorobenzene	100	38.0		ug/L		38	22 - 130
2,4-Dinitrotoluene	100	46.3		ug/L		46	38 - 130
2-Chlorophenol	200	128		ug/L		64	38 - 130
4-Chloro-3-methylphenol	200	120		ug/L		60	42 - 130
4-Nitrophenol	200	68.3		ug/L		34	16 - 130
Acenaphthene	100	50.0		ug/L		50	39 - 130
N-Nitrosodi-n-propylamine	100	62.7		ug/L		63	38 - 130
Pentachlorophenol	200	75.6		ug/L		38	15 - 130
Phenol	200	75.5		ug/L		38	27 - 130
Pyrene	100	62.4	*-	ug/L		62	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*38*		*15 - 130*
2-Fluorophenol (Surr)	*51*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*58*		*15 - 130*
Nitrobenzene-d5 (Surr)	*64*		*29 - 130*
2-Fluorobiphenyl (Surr)	*52*		*20 - 130*
p-Terphenyl-d14 (Surr)	*71*		*41 - 130*

Lab Sample ID: LCS 885-10562/2-A
Matrix: Water
Analysis Batch: 11382

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	100	40.5		ug/L		40	22 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 885-10562/2-A
Matrix: Water
Analysis Batch: 11382

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10562

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dichlorobenzene			100	37.7		ug/L		38	22 - 130		
2,4-Dinitrotoluene			100	44.3		ug/L		44	38 - 130		
2-Chlorophenol			200	132		ug/L		66	38 - 130		
4-Chloro-3-methylphenol			200	120		ug/L		60	42 - 130		
4-Nitrophenol			200	63.7		ug/L		32	16 - 130		
Acenaphthene			100	49.5		ug/L		49	39 - 130		
N-Nitrosodi-n-propylamine			100	61.9		ug/L		62	38 - 130		
Pentachlorophenol			200	81.6		ug/L		41	15 - 130		
Phenol			200	76.0		ug/L		38	27 - 130		
Pyrene			100	61.0	*-	ug/L		61	65 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*38*		*15 - 130*
2-Fluorophenol (Surr)	*50*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*63*		*15 - 130*
Nitrobenzene-d5 (Surr)	*65*		*29 - 130*
2-Fluorobiphenyl (Surr)	*50*		*20 - 130*
p-Terphenyl-d14 (Surr)	*70*		*41 - 130*

Lab Sample ID: LCSD 885-10562/3-A
Matrix: Water
Analysis Batch: 11166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			100	32.5		ug/L		33	22 - 130	23	42
1,4-Dichlorobenzene			100	30.4		ug/L		30	22 - 130	22	44
2,4-Dinitrotoluene			100	38.9		ug/L		39	38 - 130	17	39
2-Chlorophenol			200	93.4		ug/L		47	38 - 130	31	65
4-Chloro-3-methylphenol			200	93.5		ug/L		47	42 - 130	25	48
4-Nitrophenol			200	63.0		ug/L		32	16 - 130	8	55
Acenaphthene			100	37.0	*-	ug/L		37	39 - 130	30	45
N-Nitrosodi-n-propylamine			100	45.4		ug/L		45	38 - 130	32	44
Pentachlorophenol			200	59.2		ug/L		30	15 - 130	24	55
Phenol			200	55.7		ug/L		28	27 - 130	30	49
Pyrene			100	61.0	*-	ug/L		61	65 - 130	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*28*		*15 - 130*
2-Fluorophenol (Surr)	*36*		*15 - 130*
2,4,6-Tribromophenol (Surr)	*51*		*15 - 130*
Nitrobenzene-d5 (Surr)	*48*		*29 - 130*
2-Fluorobiphenyl (Surr)	*40*		*20 - 130*
p-Terphenyl-d14 (Surr)	*72*		*41 - 130*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 885-10562/3-A
Matrix: Water
Analysis Batch: 11382

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			100	31.5		ug/L					
1,4-Dichlorobenzene			100	30.2		ug/L					
2,4-Dinitrotoluene			100	38.3		ug/L					
2-Chlorophenol			200	93.1		ug/L					
4-Chloro-3-methylphenol			200	85.4		ug/L					
4-Nitrophenol			200	63.7		ug/L					
Acenaphthene			100	38.3		ug/L					
N-Nitrosodi-n-propylamine			100	44.9		ug/L					
Pentachlorophenol			200	69.8		ug/L					
Phenol			200	54.1		ug/L					
Pyrene			100	62.2		ug/L					

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)			
2-Fluorophenol (Surr)			
2,4,6-Tribromophenol (Surr)			
Nitrobenzene-d5 (Surr)			
2-Fluorobiphenyl (Surr)			
p-Terphenyl-d14 (Surr)			

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10783/21
Matrix: Water
Analysis Batch: 10783

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 13:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 270*		*08/21/24 13:25*	*1*

Lab Sample ID: LCS 885-10783/20
Matrix: Water
Analysis Batch: 10783

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.487		mg/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*197*		*15 - 270*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-10250/1-A
Matrix: Water
Analysis Batch: 10844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/14/24 09:20	08/22/24 16:39	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/14/24 09:20	08/22/24 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*	*08/14/24 09:20*	*08/22/24 16:39*	*1*

Lab Sample ID: LCS 885-10250/2-A
Matrix: Water
Analysis Batch: 10844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	0.188	0.145	J	mg/L		78	33 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*94*		*33 - 159*

Lab Sample ID: LCSD 885-10250/3-A
Matrix: Water
Analysis Batch: 10844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	0.188	0.183	J *1	mg/L		97	33 - 149	23	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*90*		*33 - 159*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10243/4
Matrix: Water
Analysis Batch: 10243

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/14/24 10:00	1
Chloride	ND		0.50	0.25	mg/L			08/14/24 10:00	1
Sulfate	ND		0.50	0.25	mg/L			08/14/24 10:00	1
Fluoride	ND		0.10	0.046	mg/L			08/14/24 10:00	1

Lab Sample ID: LCS 885-10243/5
Matrix: Water
Analysis Batch: 10243

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.41		mg/L		96	90 - 110
Chloride	5.00	4.79		mg/L		96	90 - 110
Sulfate	10.0	9.45		mg/L		94	90 - 110
Fluoride	0.500	0.496		mg/L		99	90 - 110

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 885-10243/3
Matrix: Water
Analysis Batch: 10243

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			0.100	0.123		mg/L		123	50 - 150		
Chloride			0.500	0.532		mg/L		106	50 - 150		
Sulfate			0.500	0.552		mg/L		110	50 - 150		
Fluoride			0.100	0.113		mg/L		113	50 - 150		

Lab Sample ID: 885-9798-1 MS
Matrix: Water
Analysis Batch: 10243

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide	3.2		2.50	5.50		mg/L		90	80 - 120		
Fluoride	0.83		0.500	1.29		mg/L		93	70 - 130		

Lab Sample ID: 885-9798-1 MSD
Matrix: Water
Analysis Batch: 10243

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	3.2		2.50	5.47		mg/L		89	80 - 120	1	20
Fluoride	0.83		0.500	1.28		mg/L		90	70 - 130	1	20

Lab Sample ID: MB 885-10244/4
Matrix: Water
Analysis Batch: 10244

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			08/14/24 10:00	1
Nitrite	ND		0.10	0.012	mg/L			08/14/24 10:00	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/14/24 10:00	1

Lab Sample ID: LCS 885-10244/5
Matrix: Water
Analysis Batch: 10244

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			2.50	2.54		mg/L		102	90 - 110		
Nitrite			1.00	0.930		mg/L		93	90 - 110		
Orthophosphate as P			5.00	4.85		mg/L		97	90 - 110		

Lab Sample ID: MRL 885-10244/3
Matrix: Water
Analysis Batch: 10244

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate			0.100	0.105		mg/L		105	50 - 150		
Nitrite			0.0999	0.0916	J	mg/L		92	50 - 150		
Orthophosphate as P			0.500	0.591		mg/L		118	50 - 150		

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-9798-1 MS
Matrix: Water
Analysis Batch: 10244

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.26		2.50	2.75		mg/L		100	80 - 120
Orthophosphate as P	ND		5.00	4.78		mg/L		96	80 - 120

Lab Sample ID: 885-9798-1 MSD
Matrix: Water
Analysis Batch: 10244

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	0.26		2.50	2.72		mg/L		98	80 - 120	1	20
Orthophosphate as P	ND		5.00	4.77		mg/L		95	80 - 120	0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-11885/116
Matrix: Water
Analysis Batch: 11885

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/09/24 16:11	1
Iron	ND		0.020	0.017	mg/L			09/09/24 16:11	1
Magnesium	ND		1.0	0.098	mg/L			09/09/24 16:11	1
Manganese	ND		0.0020	0.00032	mg/L			09/09/24 16:11	1
Zinc	ND		0.020	0.0049	mg/L			09/09/24 16:11	1

Lab Sample ID: LCS 885-11885/118
Matrix: Water
Analysis Batch: 11885

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	52.5		mg/L		105	80 - 120
Iron	0.500	0.491		mg/L		98	80 - 120
Magnesium	50.0	53.7		mg/L		107	80 - 120
Manganese	0.500	0.434		mg/L		87	80 - 120
Zinc	0.500	0.442		mg/L		88	80 - 120

Lab Sample ID: LCSD 885-11885/119
Matrix: Water
Analysis Batch: 11885

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	54.9		mg/L		110	80 - 120	5	20
Iron	0.500	0.510		mg/L		102	80 - 120	4	20
Magnesium	50.0	55.7		mg/L		111	80 - 120	4	20
Manganese	0.500	0.456		mg/L		91	80 - 120	5	20
Zinc	0.500	0.464		mg/L		93	80 - 120	5	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

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

Lab Sample ID: MRL 885-11885/112
Matrix: Water
Analysis Batch: 11885

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.545	J	mg/L		109	50 - 150
Iron	0.0200	ND		mg/L		62	50 - 150
Magnesium	0.500	0.611	J	mg/L		122	50 - 150
Manganese	0.00200	0.00178	J	mg/L		89	50 - 150
Zinc	0.0100	0.0102	J	mg/L		102	50 - 150

Lab Sample ID: MB 885-12129/17
Matrix: Water
Analysis Batch: 12129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/12/24 07:11	1
Iron	ND		0.020	0.017	mg/L			09/12/24 07:11	1
Magnesium	ND		1.0	0.098	mg/L			09/12/24 07:11	1
Manganese	ND		0.0020	0.00032	mg/L			09/12/24 07:11	1
Potassium	0.330	J	1.0	0.13	mg/L			09/12/24 07:11	1
Sodium	0.451	J	1.0	0.30	mg/L			09/12/24 07:11	1
Zinc	ND		0.020	0.0049	mg/L			09/12/24 07:11	1

Lab Sample ID: LCS 885-12129/19
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	48.4		mg/L		97	80 - 120
Iron	0.500	0.445		mg/L		89	80 - 120
Magnesium	50.0	49.1		mg/L		98	80 - 120
Manganese	0.500	0.425		mg/L		85	80 - 120
Potassium	50.0	48.2		mg/L		96	80 - 120
Sodium	50.0	49.2		mg/L		98	80 - 120
Zinc	0.500	0.443		mg/L		89	80 - 120

Lab Sample ID: LCSD 885-12129/26
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	47.7		mg/L		95	80 - 120	2	20
Iron	0.500	0.446		mg/L		89	80 - 120	0	20
Magnesium	50.0	48.7		mg/L		97	80 - 120	1	20
Potassium	50.0	48.4		mg/L		97	80 - 120	0	20
Sodium	50.0	48.7		mg/L		97	80 - 120	1	20
Zinc	0.500	0.404		mg/L		81	80 - 120	9	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

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

Lab Sample ID: MRL 885-12129/14
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.498	J	mg/L		100	50 - 150
Iron	0.0200	ND		mg/L		98	50 - 150
Magnesium	0.500	0.534	J	mg/L		107	50 - 150
Manganese	0.00200	0.00198	J	mg/L		99	50 - 150
Zinc	0.0100	0.00933	J	mg/L		93	50 - 150

Lab Sample ID: MB 885-12132/12
Matrix: Water
Analysis Batch: 12132

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.00032	mg/L			09/12/24 12:35	1

Lab Sample ID: LCS 885-12132/14
Matrix: Water
Analysis Batch: 12132

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.528		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-12132/15
Matrix: Water
Analysis Batch: 12132

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.500	0.526		mg/L		105	80 - 120	0	20

Lab Sample ID: MRL 885-12132/9
Matrix: Water
Analysis Batch: 12132

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.00200	0.00194	J	mg/L		97	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-11041/14
Matrix: Water
Analysis Batch: 11041

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000902	J	mg/L		90	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000999	J	mg/L		100	70 - 130
Chromium	0.00100	0.00105		mg/L		105	70 - 130
Lead	0.00100	0.00103		mg/L		103	70 - 130
Selenium	0.00100	ND		mg/L		78	70 - 130
Silver	0.00100	0.00127		mg/L		127	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00114		mg/L		114	70 - 130
Barium	0.00100	0.00110		mg/L		110	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.000979	J	mg/L		98	70 - 130
Lead	0.00100	0.000995	J	mg/L		100	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

Lab Sample ID: MRL 885-11282/9
Matrix: Water
Analysis Batch: 11282

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00105		mg/L		105	70 - 130
Barium	0.00100	0.000980	J	mg/L		98	70 - 130
Cadmium	0.00100	0.000819	J	mg/L		82	70 - 130
Chromium	0.00100	0.000994	J	mg/L		99	70 - 130
Lead	0.00100	0.000974	J	mg/L		97	70 - 130
Selenium	0.00100	0.000864	J	mg/L		86	70 - 130
Silver	0.00100	0.00128		mg/L		128	70 - 130

Lab Sample ID: MB 885-11856/15
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 09:57	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1

Lab Sample ID: LCS 885-11856/25
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0482		mg/L		96	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120
Copper	0.0500	0.0506		mg/L		101	80 - 120
Uranium	0.0500	0.0530		mg/L		106	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.0500	0.0496		mg/L		99	80 - 120	3	20
Barium			0.0500	0.0520		mg/L		104	80 - 120	2	20
Cadmium			0.0500	0.0509		mg/L		102	80 - 120	4	20
Chromium			0.0500	0.0493		mg/L		99	80 - 120	1	20
Lead			0.0500	0.0524		mg/L		105	80 - 120	0	20
Selenium			0.0500	0.0501		mg/L		100	80 - 120	4	20
Silver			0.0250	0.0250		mg/L		100	80 - 120	0	20
Copper			0.0500	0.0509		mg/L		102	80 - 120	1	20
Uranium			0.0500	0.0525		mg/L		105	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.00100	0.000999	J	mg/L		100	70 - 130
Barium			0.00100	0.00102		mg/L		102	70 - 130
Cadmium			0.00100	0.000858	J	mg/L		86	70 - 130
Chromium			0.00100	0.00107		mg/L		107	70 - 130
Lead			0.00100	0.00113		mg/L		113	70 - 130
Selenium			0.00100	0.00118		mg/L		118	70 - 130
Silver			0.00100	0.00125		mg/L		125	70 - 130
Copper			0.00100	0.00101		mg/L		101	70 - 130
Uranium			0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MB 885-10758/1-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Barium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Chromium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Lead	ND		0.0050	0.0030	mg/L		08/22/24 08:50	08/23/24 11:20	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 08:50	08/23/24 11:20	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5

Lab Sample ID: LCS 885-10758/3-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.0500	0.0546		mg/L		109	80 - 120
Barium			0.0500	0.0491		mg/L		98	80 - 120
Cadmium			0.0500	0.0560		mg/L		112	80 - 120
Chromium			0.0500	0.0512		mg/L		102	80 - 120
Lead			0.0500	0.0529		mg/L		106	80 - 120
Selenium			0.0500	0.0470		mg/L		94	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-10758/3-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.0250	0.0250		mg/L		100	80 - 120

Lab Sample ID: LLCS 885-11103/2-A
Matrix: Water
Analysis Batch: 11282

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 11103

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	ND		mg/L		80	
Barium	0.00100	ND		mg/L		90	
Cadmium	0.00100	ND		mg/L		9	
Chromium	0.00100	ND		mg/L		97	
Lead	0.00100	ND		mg/L		98	
Silver	0.00100	ND		mg/L		85	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-10513/9-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10513

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000148	J	mg/L		98	50 - 150

Lab Sample ID: MB 885-10516/1-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:56	08/21/24 10:18	1

Lab Sample ID: LCS 885-10516/3-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00558		mg/L		112	85 - 115

Lab Sample ID: LLCS 885-10516/2-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000150	J	mg/L		100	50 - 150

Lab Sample ID: 885-9798-1 MS
Matrix: Water
Analysis Batch: 10795

Client Sample ID: MW-38
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00500	0.00539		mg/L		108	75 - 125

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 885-9798-1 MSD
Matrix: Water
Analysis Batch: 10795

Client Sample ID: MW-38
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00536		mg/L		107	75 - 125	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-11159/2
Matrix: Water
Analysis Batch: 11159

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/27/24 09:55	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/27/24 09:55	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/27/24 09:55	1

Lab Sample ID: LCS 885-11159/3
Matrix: Water
Analysis Batch: 11159

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	81.2		mg/L		96	90 - 110

Lab Sample ID: MRL 885-11159/1
Matrix: Water
Analysis Batch: 11159

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.9		mg/L		108	50 - 150

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-11162/2
Matrix: Water
Analysis Batch: 11162

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/27/24 09:55	1

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

GC/MS VOA

Analysis Batch: 10869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	8260B	
885-9798-2	MW-13	Total/NA	Water	8260B	
885-9798-3	OW 16+60	Total/NA	Water	8260B	
885-9798-4	CW 25+95	Total/NA	Water	8260B	
885-9798-5	Trip Blank	Total/NA	Water	8260B	
MB 885-10869/4	Method Blank	Total/NA	Water	8260B	
LCS 885-10869/3	Lab Control Sample	Total/NA	Water	8260B	
885-9798-1 MS	MW-38	Total/NA	Water	8260B	
885-9798-1 MSD	MW-38	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 10562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	3510C	
MB 885-10562/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10562/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10562/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 11166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	8270C	10562
MB 885-10562/1-A	Method Blank	Total/NA	Water	8270C	10562
LCS 885-10562/2-A	Lab Control Sample	Total/NA	Water	8270C	10562
LCSD 885-10562/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	10562

Analysis Batch: 11382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-10562/2-A	Lab Control Sample	Total/NA	Water	8270C	10562
LCSD 885-10562/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	10562

GC VOA

Analysis Batch: 10783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	8015M/D	
885-9798-2	MW-13	Total/NA	Water	8015M/D	
885-9798-3	OW 16+60	Total/NA	Water	8015M/D	
MB 885-10783/21	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10783/20	Lab Control Sample	Total/NA	Water	8015M/D	

GC Semi VOA

Prep Batch: 10250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	3510C	
885-9798-2	MW-13	Total/NA	Water	3510C	
885-9798-3	OW 16+60	Total/NA	Water	3510C	
885-9798-4	CW 25+95	Total/NA	Water	3510C	
MB 885-10250/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10250/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10250/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

GC Semi VOA

Analysis Batch: 10844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	8015M/D	10250
885-9798-2	MW-13	Total/NA	Water	8015M/D	10250
885-9798-3	OW 16+60	Total/NA	Water	8015M/D	10250
885-9798-4	CW 25+95	Total/NA	Water	8015M/D	10250
MB 885-10250/1-A	Method Blank	Total/NA	Water	8015M/D	10250
LCS 885-10250/2-A	Lab Control Sample	Total/NA	Water	8015M/D	10250
LCSD 885-10250/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	10250

HPLC/IC

Analysis Batch: 10243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	300.0	
885-9798-1	MW-38	Total/NA	Water	300.0	
885-9798-2	MW-13	Total/NA	Water	300.0	
885-9798-2	MW-13	Total/NA	Water	300.0	
MB 885-10243/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10243/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10243/3	Lab Control Sample	Total/NA	Water	300.0	
885-9798-1 MS	MW-38	Total/NA	Water	300.0	
885-9798-1 MSD	MW-38	Total/NA	Water	300.0	

Analysis Batch: 10244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	300.0	
885-9798-2	MW-13	Total/NA	Water	300.0	
MB 885-10244/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10244/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10244/3	Lab Control Sample	Total/NA	Water	300.0	
885-9798-1 MS	MW-38	Total/NA	Water	300.0	
885-9798-1 MSD	MW-38	Total/NA	Water	300.0	

Metals

Prep Batch: 10513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Dissolved	Water	7470A	
885-9798-1	MW-38	Total/NA	Water	7470A	
885-9798-2	MW-13	Dissolved	Water	7470A	
885-9798-2	MW-13	Total/NA	Water	7470A	
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	
885-9798-1 MS	MW-38	Total/NA	Water	7470A	
885-9798-1 MSD	MW-38	Total/NA	Water	7470A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Metals

Prep Batch: 10758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total Recoverable	Water	3005A	
885-9798-2	MW-13	Total Recoverable	Water	3005A	
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 10795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Dissolved	Water	7470A	10516
885-9798-1	MW-38	Total/NA	Water	7470A	10516
885-9798-2	MW-13	Dissolved	Water	7470A	10516
885-9798-2	MW-13	Total/NA	Water	7470A	10516
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	10516
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	10516
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	10516
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	7470A	10513
885-9798-1 MS	MW-38	Total/NA	Water	7470A	10516
885-9798-1 MSD	MW-38	Total/NA	Water	7470A	10516

Analysis Batch: 10939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	6020A	10758
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10758

Analysis Batch: 11041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total Recoverable	Water	6020A	10758
885-9798-2	MW-13	Total Recoverable	Water	6020A	10758
MRL 885-11041/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total Recoverable	Water	6020A	10758
MRL 885-11095/14	Lab Control Sample	Total/NA	Water	6020A	

Prep Batch: 11103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 885-11103/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 11282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-2	MW-13	Total Recoverable	Water	6020A	10758
LLCS 885-11103/2-A	Lab Control Sample	Total Recoverable	Water	6020A	11103
MRL 885-11282/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Dissolved	Water	6020A	
885-9798-2	MW-13	Dissolved	Water	6020A	
MB 885-11856/15	Method Blank	Total/NA	Water	6020A	
LCS 885-11856/25	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/26	Lab Control Sample Dup	Total/NA	Water	6020A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Metals (Continued)

Analysis Batch: 11856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Dissolved	Water	6010B	
MB 885-11885/116	Method Blank	Total/NA	Water	6010B	
LCS 885-11885/118	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-11885/119	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-11885/112	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Dissolved	Water	6010B	
885-9798-2	MW-13	Dissolved	Water	6010B	
885-9798-2	MW-13	Dissolved	Water	6010B	
MB 885-12129/17	Method Blank	Total/NA	Water	6010B	
LCS 885-12129/19	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12129/26	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-12129/14	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Dissolved	Water	6010B	
885-9798-2	MW-13	Dissolved	Water	6010B	
MB 885-12132/12	Method Blank	Total/NA	Water	6010B	
LCS 885-12132/14	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12132/15	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-12132/9	Lab Control Sample	Total/NA	Water	6010B	

General Chemistry

Analysis Batch: 11159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	SM 2320B	
885-9798-2	MW-13	Total/NA	Water	SM 2320B	
MB 885-11159/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11159/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11159/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 11162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9798-1	MW-38	Total/NA	Water	SM 4500 CO2 D	
885-9798-2	MW-13	Total/NA	Water	SM 4500 CO2 D	
MB 885-11162/2	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11162/3	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11162/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9798-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-38
Lab Sample ID: 885-9798-1
Date Collected: 08/13/24 09:25
Matrix: Water
Date Received: 08/14/24 05:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10869	RA	EET ALB	08/23/24 15:35
Total/NA	Prep	3510C			10562	JM	EET ALB	08/20/24 06:53
Total/NA	Analysis	8270C		1	11166	MB	EET ALB	08/28/24 13:37
Total/NA	Analysis	8015M/D		1	10783	JP	EET ALB	08/21/24 16:43
Total/NA	Prep	3510C			10250	JM	EET ALB	08/14/24 09:20
Total/NA	Analysis	8015M/D		1	10844	KR	EET ALB	08/22/24 19:28
Total/NA	Analysis	300.0		1	10243	RC	EET ALB	08/14/24 14:57
Total/NA	Analysis	300.0		1	10244	RC	EET ALB	08/14/24 14:57
Total/NA	Analysis	300.0		20	10243	RC	EET ALB	08/14/24 15:36
Dissolved	Analysis	6010B		10	11885	VP	EET ALB	09/09/24 17:29
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 07:23
Dissolved	Analysis	6010B		10	12132	VP	EET ALB	09/12/24 12:42
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:22
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 12:17
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		10	11095	BV	EET ALB	08/26/24 16:30
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:27
Total/NA	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:20
Total/NA	Analysis	SM 2320B		1	11159	DL	EET ALB	08/27/24 13:17
Total/NA	Analysis	SM 4500 CO2 D		1	11162	DL	EET ALB	08/27/24 13:17

Client Sample ID: MW-13
Lab Sample ID: 885-9798-2
Date Collected: 08/13/24 11:20
Matrix: Water
Date Received: 08/14/24 05:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10869	RA	EET ALB	08/23/24 17:01
Total/NA	Analysis	8015M/D		1	10783	JP	EET ALB	08/21/24 17:07
Total/NA	Prep	3510C			10250	JM	EET ALB	08/14/24 09:20
Total/NA	Analysis	8015M/D		1	10844	KR	EET ALB	08/22/24 20:18
Total/NA	Analysis	300.0		1	10243	RC	EET ALB	08/14/24 15:48
Total/NA	Analysis	300.0		1	10244	RC	EET ALB	08/14/24 15:48
Total/NA	Analysis	300.0		20	10243	RC	EET ALB	08/14/24 16:01
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 07:27
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 07:30
Dissolved	Analysis	6010B		1	12132	VP	EET ALB	09/12/24 12:44
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:26
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 12:22

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Client Sample ID: MW-13
Date Collected: 08/13/24 11:20
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		20	11282	BV	EET ALB	08/28/24 14:52
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:32
Total/NA	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:30
Total/NA	Analysis	SM 2320B		1	11159	DL	EET ALB	08/27/24 13:43
Total/NA	Analysis	SM 4500 CO2 D		1	11162	DL	EET ALB	08/27/24 13:43

Client Sample ID: OW 16+60
Date Collected: 08/13/24 12:25
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	10869	RA	EET ALB	08/23/24 17:30
Total/NA	Analysis	8015M/D		1	10783	JP	EET ALB	08/21/24 17:31
Total/NA	Prep	3510C			10250	JM	EET ALB	08/14/24 09:20
Total/NA	Analysis	8015M/D		1	10844	KR	EET ALB	08/22/24 21:07

Client Sample ID: CW 25+95
Date Collected: 08/13/24 13:20
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10869	RA	EET ALB	08/23/24 17:58
Total/NA	Prep	3510C			10250	JM	EET ALB	08/14/24 09:20
Total/NA	Analysis	8015M/D		1	10844	KR	EET ALB	08/22/24 20:43

Client Sample ID: Trip Blank
Date Collected: 08/13/24 13:40
Date Received: 08/14/24 05:50

Lab Sample ID: 885-9798-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10869	RA	EET ALB	08/23/24 18:27

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9798-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9798-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	1,2,4-Trichlorobenzene
8270C	3510C	Water	1,2-Dichlorobenzene
8270C	3510C	Water	1,3-Dichlorobenzene
8270C	3510C	Water	1,4-Dichlorobenzene
8270C	3510C	Water	1-Methylnaphthalene
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dichlorophenol
8270C	3510C	Water	2,4-Dimethylphenol
8270C	3510C	Water	2,4-Dinitrophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2,6-Dinitrotoluene
8270C	3510C	Water	2-Chloronaphthalene
8270C	3510C	Water	2-Chlorophenol
8270C	3510C	Water	2-Methylnaphthalene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	2-Nitroaniline
8270C	3510C	Water	2-Nitrophenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	3,3'-Dichlorobenzidine
8270C	3510C	Water	3-Nitroaniline
8270C	3510C	Water	4,6-Dinitro-2-methylphenol
8270C	3510C	Water	4-Bromophenyl phenyl ether
8270C	3510C	Water	4-Chloro-3-methylphenol
8270C	3510C	Water	4-Chloroaniline
8270C	3510C	Water	4-Chlorophenyl phenyl ether
8270C	3510C	Water	4-Nitroaniline
8270C	3510C	Water	4-Nitrophenol
8270C	3510C	Water	Acenaphthene
8270C	3510C	Water	Acenaphthylene
8270C	3510C	Water	Aniline
8270C	3510C	Water	Anthracene
8270C	3510C	Water	Azobenzene
8270C	3510C	Water	Benzo[a]anthracene
8270C	3510C	Water	Benzo[a]pyrene
8270C	3510C	Water	Benzo[b]fluoranthene
8270C	3510C	Water	Benzo[g,h,i]perylene
8270C	3510C	Water	Benzo[k]fluoranthene
8270C	3510C	Water	Benzoic acid
8270C	3510C	Water	Benzyl alcohol

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9798-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	bis (2-Chloroisopropyl) ether
8270C	3510C	Water	Bis(2-chloroethoxy)methane
8270C	3510C	Water	Bis(2-chloroethyl)ether
8270C	3510C	Water	Bis(2-ethylhexyl) phthalate
8270C	3510C	Water	Butyl benzyl phthalate
8270C	3510C	Water	Carbazole
8270C	3510C	Water	Chrysene
8270C	3510C	Water	Dibenz(a,h)anthracene
8270C	3510C	Water	Dibenzofuran
8270C	3510C	Water	Diethyl phthalate
8270C	3510C	Water	Dimethyl phthalate
8270C	3510C	Water	Di-n-butyl phthalate
8270C	3510C	Water	Di-n-octyl phthalate
8270C	3510C	Water	Fluoranthene
8270C	3510C	Water	Fluorene
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachlorocyclopentadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C	3510C	Water	Isophorone
8270C	3510C	Water	Naphthalene
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	N-Nitrosodimethylamine
8270C	3510C	Water	N-Nitrosodi-n-propylamine
8270C	3510C	Water	N-Nitrosodiphenylamine
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Phenanthrene
8270C	3510C	Water	Phenol
8270C	3510C	Water	Pyrene
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albequerque
4901 Hawkins NE
Albuquerque NM 87109
Phone: (505) 345-3975

Chain of Custody Record

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885-9798 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment

Client Contact	Project Manager: Devin Hencmann	Site Contact: Eric Carroll	Date:	COC No:
Ensolum LLC	Email: dhencmann@ensolum.com	Lab Contact: Andy Freeman	Carrier:	_____ of _____ COCs
776 E 2nd Avenue	Tel/Fax: 970-403-6023			TALS Project #:
Durango/CO/81301	Analysis Turnaround Time			Sampler:
(303) 842-9578 Phone	☒ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Bloomfield Terminal	☐ 2 weeks			Lab Sampling:
Site: -	☒ 1 week			Job / SDG No.:
P O # 07A2015013	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs (EPA Method 8260)	VOCs Target List (Method 8260)	SVOCs (Method 8270)	TPH - DRO/MRO (Method 8015DR	TPH- GRO (8015DROLL)	Total Recoverable Metals (6010/7470)	Total Dissolved Metals (6010/7470	Alkalinity (310.1)	Anions (300.0)	Carbon Dioxide (310.1)	Sample Specific Notes:
MW-38	8/13/24	0925	G	GW	various			X		X	X	X	X	X	X	X	X	1
MW-13		1120						X			X	X	X	X	X	X	X	2
OW 16+60		1225							X		X	X						3
CW 25+95		1320							X		X							4
Trip Blank		1340			2VOA													5

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Level 1V QC Package
cc: ecarroll@ensolum.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 0.5 Corr'd: 0.8 Therm ID No.: 109

	Company	Date/Time		Company	Date/Time
Relinquished by:	Ensolum	8/13/24 1401	Received by:	Eurofins	8/13/24 1409
Relinquished by:	Eurofins	8/13/24 1718	Received by:	courier	8/14/24 5:50
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-9798-1

Login Number: 9798 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

Generated 9/20/2024 3:21:26 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-9807-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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9/20/2024 3:21:26 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-9807-1

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-9807-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

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

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Definitions/Glossary

Client: Ensolum LLC
Job ID: 885-9807-1
Project/Site: Bloomfield Terminal

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-9807-1

Job ID: 885-9807-1 Eurofins Albuquerque

Job Narrative
885-9807-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/14/2024 7:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8°C and 1.4°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
Method 8260B: The following sample was diluted due to the nature of the sample matrix: OW 3+85 (885-9807-4). Elevated reporting limits (RLs) are provided.

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

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

Diesel Range Organics
Method 8015D_DRO_LL: The following samples were diluted due to the nature of the sample matrix: OW 3+85 (885-9807-4), OW 11+15 (885-9807-5) and DUP-C (885-9807-6). Elevated reporting limits (RLs) are provided.

Method 8015D_DRO_LL: The following samples required a dilution due to the nature of the sample matrix: OW 3+85 (885-9807-4), OW 11+15 (885-9807-5) and DUP-C (885-9807-6). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

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

Metals
Method 6010B - Dissolved: The RL for cations (Ca, K, Mg, Na) is 1ppm, and therefore, the MRL is recovering within the recovery limits.

(MRL 885-12129/14)

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

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

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-52

Date Collected: 08/12/24 10:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 18:43	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 18:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 18:43	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 18:43	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 18:43	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 18:43	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 18:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 18:43	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 18:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 18:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 18:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 18:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 18:43	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 18:43	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 18:43	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 18:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 18:43	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 18:43	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 18:43	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 18:43	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 18:43	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 18:43	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 18:43	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 18:43	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 18:43	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 18:43	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 18:43	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 18:43	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 18:43	1
Acetone	ND		10	2.5	ug/L			08/23/24 18:43	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 18:43	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 18:43	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 18:43	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 18:43	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 18:43	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 18:43	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 18:43	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 18:43	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 18:43	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 18:43	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 18:43	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 18:43	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 18:43	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 18:43	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 18:43	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 18:43	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 18:43	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 18:43	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 18:43	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-52

Date Collected: 08/12/24 10:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 18:43	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 18:43	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 18:43	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 18:43	1
Naphthalene	ND		2.0	0.24	ug/L			08/23/24 18:43	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 18:43	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 18:43	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 18:43	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 18:43	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 18:43	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 18:43	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 18:43	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 18:43	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 18:43	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 18:43	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*08/23/24 18:43*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/23/24 18:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/23/24 18:43*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*08/23/24 18:43*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 270*		*08/20/24 16:38*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.084**	**J**	0.19	0.067	mg/L		08/19/24 11:27	08/29/24 13:45	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 11:27	08/29/24 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*33 - 159*	*08/19/24 11:27*	*08/29/24 13:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**1.4**		0.50	0.25	mg/L			08/14/24 16:14	5
Chloride	**430**		25	13	mg/L			08/17/24 04:49	50
Nitrate Nitrite as N	**11**		1.0	0.11	mg/L			08/26/24 15:39	5
Orthophosphate as P	ND	H	2.5	1.3	mg/L			08/14/24 16:14	5
Sulfate	**980**		25	13	mg/L			08/17/24 04:49	50
Fluoride	**1.2**		0.50	0.23	mg/L			08/14/24 16:14	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**170**		10	0.89	mg/L			09/12/24 09:52	10
Iron	**0.028**		0.020	0.017	mg/L			09/12/24 09:49	1

Eurofins Albuquerque

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-52

Date Collected: 08/12/24 10:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-1

Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**45**		1.0	0.098	mg/L			09/12/24 09:49	1
Manganese	**0.12**		0.0020	0.00032	mg/L			09/12/24 09:49	1
Potassium	**4.1**		1.0	0.13	mg/L			09/12/24 09:49	1
Sodium	**410**		10	3.0	mg/L			09/12/24 09:52	10
Zinc	**0.013**	**J**	0.020	0.0049	mg/L			09/12/24 09:49	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0039**	**J**	0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:26	5
Barium	**0.069**		0.020	0.010	mg/L		08/22/24 09:28	09/13/24 14:00	20
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:26	5
Chromium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:26	5
Lead	ND		0.020	0.012	mg/L		08/22/24 09:28	09/13/24 14:00	20
Selenium	**0.048**		0.0050	0.0040	mg/L		08/22/24 09:28	08/25/24 12:26	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:26	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:44	20
Barium	**0.016**	**J**	0.020	0.010	mg/L			09/06/24 12:44	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:44	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:44	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:44	20
Selenium	**0.037**		0.020	0.016	mg/L			09/06/24 12:44	20
Silver	ND		0.020	0.010	mg/L			09/16/24 11:16	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:44	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 12:44	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:39	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**160**		20	20	mg/L			08/26/24 14:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**160**		20	20	mg/L			08/26/24 14:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/26/24 14:22	1
Carbon dioxide (SM 4500 CO2 D)	**160**	**HF**	23	23	mg/L			08/26/24 14:22	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-44

Date Collected: 08/12/24 11:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 19:08	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 19:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 19:08	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 19:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 19:08	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 19:08	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 19:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 19:08	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 19:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 19:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 19:08	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 19:08	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 19:08	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 19:08	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 19:08	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 19:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 19:08	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 19:08	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 19:08	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 19:08	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 19:08	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 19:08	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 19:08	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 19:08	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 19:08	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 19:08	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 19:08	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 19:08	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 19:08	1
Acetone	ND		10	2.5	ug/L			08/23/24 19:08	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 19:08	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 19:08	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 19:08	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 19:08	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 19:08	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 19:08	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 19:08	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 19:08	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 19:08	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 19:08	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 19:08	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 19:08	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 19:08	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 19:08	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 19:08	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 19:08	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 19:08	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 19:08	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 19:08	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-44

Date Collected: 08/12/24 11:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**0.61**	**J**	1.0	0.39	ug/L			08/23/24 19:08	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 19:08	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 19:08	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 19:08	1
Naphthalene	ND		2.0	0.24	ug/L			08/23/24 19:08	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 19:08	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 19:08	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 19:08	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 19:08	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 19:08	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 19:08	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 19:08	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 19:08	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 19:08	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 19:08	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*08/23/24 19:08*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/23/24 19:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/23/24 19:08*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*08/23/24 19:08*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.013**	**J**	0.050	0.013	mg/L			08/20/24 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/20/24 17:01*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.071**	**J**	0.19	0.067	mg/L		08/19/24 11:27	08/28/24 16:23	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 11:27	08/28/24 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*33 - 159*	*08/19/24 11:27*	*08/28/24 16:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.50	0.25	mg/L			08/14/24 16:40	5
Chloride	**54**		2.5	1.3	mg/L			08/14/24 16:40	5
Nitrate Nitrite as N	ND		1.0	0.11	mg/L			08/26/24 15:55	5
Orthophosphate as P	ND	H	2.5	1.3	mg/L			08/14/24 16:40	5
Sulfate	**2900**		50	25	mg/L			08/17/24 05:01	100
Fluoride	**0.50**		0.50	0.23	mg/L			08/14/24 16:40	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**460**		100	8.9	mg/L			09/12/24 10:10	100

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-44

Date Collected: 08/12/24 11:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-2

Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		2.0	1.7	mg/L			09/12/24 10:10	100
Magnesium	**71**	**J**	100	9.8	mg/L			09/12/24 10:10	100
Manganese	**0.66**		0.20	0.032	mg/L			09/12/24 10:10	100
Potassium	**9.7**		1.0	0.13	mg/L			09/12/24 10:05	1
Sodium	**910**		10	3.0	mg/L			09/12/24 10:08	10
Zinc	ND		2.0	0.49	mg/L			09/12/24 10:10	100

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050	0.025	mg/L		08/22/24 09:28	08/28/24 13:51	50
Barium	**0.11**		0.050	0.025	mg/L		08/22/24 09:28	08/28/24 13:51	50
Cadmium	ND		0.050	0.025	mg/L		08/22/24 09:28	08/28/24 13:51	50
Chromium	**0.025**		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:31	5
Lead	ND		0.050	0.030	mg/L		08/22/24 09:28	08/28/24 13:51	50
Selenium	ND		0.050	0.040	mg/L		08/22/24 09:28	09/06/24 14:12	50
Silver	ND		0.050	0.025	mg/L		08/22/24 09:28	08/28/24 13:51	50

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:49	20
Barium	**0.014**	**J**	0.020	0.010	mg/L			09/06/24 12:49	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:49	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:49	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:49	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 12:49	20
Silver	ND		0.020	0.010	mg/L			09/16/24 11:25	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:49	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 12:49	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:44	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:57	08/21/24 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**370**		20	20	mg/L			08/26/24 14:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**370**		20	20	mg/L			08/26/24 14:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/26/24 14:32	1
Carbon dioxide (SM 4500 CO2 D)	**350**	**HF**	23	23	mg/L			08/26/24 14:32	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-29

Date Collected: 08/12/24 12:55
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 19:32	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 19:32	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 19:32	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 19:32	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 19:32	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 19:32	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 19:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 19:32	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 19:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 19:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 19:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 19:32	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 19:32	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 19:32	1
1,2-Dichloroethane (EDC)	**0.83**	**J**	1.0	0.30	ug/L			08/23/24 19:32	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 19:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 19:32	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 19:32	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 19:32	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 19:32	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 19:32	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 19:32	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 19:32	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 19:32	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 19:32	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 19:32	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 19:32	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 19:32	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 19:32	1
Acetone	ND		10	2.5	ug/L			08/23/24 19:32	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 19:32	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 19:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 19:32	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 19:32	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 19:32	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 19:32	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 19:32	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 19:32	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 19:32	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 19:32	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 19:32	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 19:32	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 19:32	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 19:32	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 19:32	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 19:32	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 19:32	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 19:32	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 19:32	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-29

Date Collected: 08/12/24 12:55
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 19:32	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 19:32	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 19:32	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 19:32	1
Naphthalene	ND		2.0	0.24	ug/L			08/23/24 19:32	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 19:32	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 19:32	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 19:32	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 19:32	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 19:32	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 19:32	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 19:32	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 19:32	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 19:32	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 19:32	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*08/23/24 19:32*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/23/24 19:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/23/24 19:32*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*08/23/24 19:32*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 270*		*08/20/24 17:25*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.17**	**J**	0.19	0.067	mg/L		08/19/24 11:27	08/28/24 16:47	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 11:27	08/28/24 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*33 - 159*	*08/19/24 11:27*	*08/28/24 16:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**4.9**		0.50	0.25	mg/L			08/14/24 17:31	5
Chloride	**380**		10	5.0	mg/L			08/14/24 17:44	20
Nitrate Nitrite as N	**23**		1.0	0.11	mg/L			08/26/24 16:10	5
Orthophosphate as P	ND	H	2.5	1.3	mg/L			08/14/24 17:31	5
Sulfate	**950**		25	13	mg/L			08/17/24 05:14	50
Fluoride	**0.53**		0.50	0.23	mg/L			08/14/24 17:31	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**310**		100	8.9	mg/L			09/12/24 10:18	100
Iron	ND		2.0	1.7	mg/L			09/12/24 10:18	100

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-29

Date Collected: 08/12/24 12:55
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-3

Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**71**	**J**	100	9.8	mg/L			09/12/24 10:18	100
Manganese	**0.87**		0.20	0.032	mg/L			09/12/24 10:18	100
Potassium	**5.9**		1.0	0.13	mg/L			09/12/24 10:13	1
Sodium	**560**		10	3.0	mg/L			09/12/24 10:15	10
Zinc	ND		2.0	0.49	mg/L			09/12/24 10:18	100

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0025**	**J**	0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:52	5
Barium	**0.13**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 12:09	5
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:52	5
Chromium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:52	5
Lead	**0.022**		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 12:09	5
Selenium	**0.028**		0.0050	0.0040	mg/L		08/22/24 09:28	08/25/24 12:52	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:52	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 12:53	20
Barium	**0.058**		0.020	0.010	mg/L			09/06/24 12:53	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:53	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:53	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:53	20
Selenium	**0.026**		0.020	0.016	mg/L			09/06/24 12:53	20
Silver	ND		0.020	0.010	mg/L			09/16/24 11:30	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:53	20
Uranium	**0.024**		0.020	0.010	mg/L			09/06/24 12:53	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 12:49	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**690**		20	20	mg/L			08/26/24 15:07	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**690**		20	20	mg/L			08/26/24 15:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/26/24 15:07	1
Carbon dioxide (SM 4500 CO2 D)	**640**	**HF**	23	23	mg/L			08/26/24 15:07	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: OW 3+85

Date Collected: 08/12/24 13:45
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	1.1	ug/L			08/23/24 19:57	5
Ethylbenzene	ND		5.0	1.1	ug/L			08/23/24 19:57	5
Toluene	ND		5.0	1.3	ug/L			08/23/24 19:57	5
Xylenes, Total	ND		7.5	1.9	ug/L			08/23/24 19:57	5
Methyl-tert-butyl Ether (MTBE)	ND		5.0	2.0	ug/L			08/23/24 19:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*08/23/24 19:57*	*5*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/23/24 19:57*	*5*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*08/23/24 19:57*	*5*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/23/24 19:57*	*5*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**2.0**		0.50	0.13	mg/L			08/20/24 17:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*		*15 - 270*		*08/20/24 17:49*	*10*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**11**	**J**	19	6.7	mg/L		08/19/24 11:27	08/28/24 17:11	100
Motor Oil Range Organics [C28-C40]	ND	D	9.4	7.0	mg/L		08/19/24 11:27	08/28/24 17:11	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*33 - 159*	*08/19/24 11:27*	*08/28/24 17:11*	*100*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: OW 11+15

Date Collected: 08/12/24 14:25
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**340**		5.0	1.1	ug/L			08/23/24 20:21	5
Ethylbenzene	**2.9**	**J**	5.0	1.1	ug/L			08/23/24 20:21	5
Toluene	**1.5**	**J**	5.0	1.3	ug/L			08/23/24 20:21	5
Xylenes, Total	ND		7.5	1.9	ug/L			08/23/24 20:21	5
Methyl-tert-butyl Ether (MTBE)	**57**		5.0	2.0	ug/L			08/23/24 20:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*08/23/24 20:21*	*5*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/23/24 20:21*	*5*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*08/23/24 20:21*	*5*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/23/24 20:21*	*5*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**2.2**		1.0	0.26	mg/L			08/20/24 18:13	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*		*15 - 270*		*08/20/24 18:13*	*20*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**20**		19	6.7	mg/L		08/19/24 11:27	08/28/24 17:35	100
Motor Oil Range Organics [C28-C40]	ND	D	9.4	7.0	mg/L		08/19/24 11:27	08/28/24 17:35	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*33 - 159*	*08/19/24 11:27*	*08/28/24 17:35*	*100*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: DUP-C

Date Collected: 08/12/24 14:25
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**280**		5.0	1.1	ug/L			08/23/24 20:45	5
Ethylbenzene	**2.6**	**J**	5.0	1.1	ug/L			08/23/24 20:45	5
Toluene	**1.3**	**J**	5.0	1.3	ug/L			08/23/24 20:45	5
Xylenes, Total	ND		7.5	1.9	ug/L			08/23/24 20:45	5
Methyl-tert-butyl Ether (MTBE)	**53**		5.0	2.0	ug/L			08/23/24 20:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*08/23/24 20:45*	*5*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/23/24 20:45*	*5*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*08/23/24 20:45*	*5*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*08/23/24 20:45*	*5*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**2.0**		0.50	0.13	mg/L			08/20/24 18:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*		*15 - 270*		*08/20/24 18:36*	*10*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**35**		19	6.7	mg/L		08/19/24 11:27	08/28/24 17:59	100
Motor Oil Range Organics [C28-C40]	ND	D	9.4	7.0	mg/L		08/19/24 11:27	08/28/24 17:59	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*0*	*S1- D*	*33 - 159*	*08/19/24 11:27*	*08/28/24 17:59*	*100*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: Trip Blank

Date Collected: 08/12/24 15:00
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 21:10	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 21:10	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 21:10	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 21:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 21:10	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 21:10	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 21:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 21:10	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 21:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 21:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 21:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 21:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 21:10	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 21:10	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 21:10	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 21:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 21:10	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 21:10	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 21:10	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 21:10	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 21:10	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 21:10	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 21:10	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 21:10	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 21:10	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 21:10	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 21:10	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 21:10	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 21:10	1
Acetone	ND		10	2.5	ug/L			08/23/24 21:10	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 21:10	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 21:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 21:10	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 21:10	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 21:10	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 21:10	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 21:10	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 21:10	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 21:10	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 21:10	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 21:10	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 21:10	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 21:10	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 21:10	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 21:10	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 21:10	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 21:10	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 21:10	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 21:10	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: Trip Blank
Date Collected: 08/12/24 15:00
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 21:10	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 21:10	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 21:10	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 21:10	1
Naphthalene	ND		2.0	0.24	ug/L			08/23/24 21:10	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 21:10	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 21:10	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 21:10	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 21:10	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 21:10	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 21:10	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 21:10	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 21:10	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 21:10	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 21:10	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*08/23/24 21:10*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/23/24 21:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/23/24 21:10*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*08/23/24 21:10*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10872/5
Matrix: Water
Analysis Batch: 10872

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/23/24 15:03	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/23/24 15:03	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/23/24 15:03	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/23/24 15:03	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/23/24 15:03	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/23/24 15:03	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/23/24 15:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/23/24 15:03	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/23/24 15:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/23/24 15:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/23/24 15:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/23/24 15:03	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/23/24 15:03	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/23/24 15:03	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/23/24 15:03	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/23/24 15:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/23/24 15:03	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/23/24 15:03	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/23/24 15:03	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/23/24 15:03	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 15:03	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/23/24 15:03	1
2-Butanone	ND		10	2.0	ug/L			08/23/24 15:03	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 15:03	1
2-Hexanone	ND		10	1.8	ug/L			08/23/24 15:03	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/23/24 15:03	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/23/24 15:03	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/23/24 15:03	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/23/24 15:03	1
Acetone	ND		10	2.5	ug/L			08/23/24 15:03	1
Benzene	ND		1.0	0.23	ug/L			08/23/24 15:03	1
Bromobenzene	ND		1.0	0.28	ug/L			08/23/24 15:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/23/24 15:03	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/23/24 15:03	1
Bromoform	ND		1.0	0.31	ug/L			08/23/24 15:03	1
Bromomethane	ND		3.0	1.0	ug/L			08/23/24 15:03	1
Carbon disulfide	ND		10	1.0	ug/L			08/23/24 15:03	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/23/24 15:03	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/23/24 15:03	1
Chloroethane	ND		2.0	0.38	ug/L			08/23/24 15:03	1
Chloroform	ND		1.0	0.25	ug/L			08/23/24 15:03	1
Chloromethane	ND		3.0	0.41	ug/L			08/23/24 15:03	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/23/24 15:03	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/23/24 15:03	1
Dibromomethane	ND		1.0	0.31	ug/L			08/23/24 15:03	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/23/24 15:03	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/23/24 15:03	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/23/24 15:03	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

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

Lab Sample ID: MB 885-10872/5
Matrix: Water
Analysis Batch: 10872

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			08/23/24 15:03	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/23/24 15:03	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/23/24 15:03	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/23/24 15:03	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/23/24 15:03	1
Naphthalene	ND		2.0	0.24	ug/L			08/23/24 15:03	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/23/24 15:03	1
Styrene	ND		1.0	0.14	ug/L			08/23/24 15:03	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/23/24 15:03	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/23/24 15:03	1
Toluene	ND		1.0	0.25	ug/L			08/23/24 15:03	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/23/24 15:03	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/23/24 15:03	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/23/24 15:03	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/23/24 15:03	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/23/24 15:03	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/23/24 15:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*08/23/24 15:03*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/23/24 15:03*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*08/23/24 15:03*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*08/23/24 15:03*	*1*

Lab Sample ID: LCS 885-10872/4
Matrix: Water
Analysis Batch: 10872

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			20.1	20.5		ug/L		102	70 - 130		
Benzene			20.1	21.9		ug/L		109	70 - 130		
Chlorobenzene			20.1	19.7		ug/L		98	70 - 130		
Toluene			20.2	19.5		ug/L		97	70 - 130		
Trichloroethene (TCE)			20.2	21.1		ug/L		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10662/26
Matrix: Water
Analysis Batch: 10662

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*15 - 270*		*08/20/24 11:54*	*1*

Lab Sample ID: LCS 885-10662/25
Matrix: Water
Analysis Batch: 10662

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	0.500	0.483		mg/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*195*		*15 - 270*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10243/4
Matrix: Water
Analysis Batch: 10243

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/14/24 10:00	1
Chloride	ND		0.50	0.25	mg/L			08/14/24 10:00	1
Sulfate	ND		0.50	0.25	mg/L			08/14/24 10:00	1
Fluoride	ND		0.10	0.046	mg/L			08/14/24 10:00	1

Lab Sample ID: LCS 885-10243/5
Matrix: Water
Analysis Batch: 10243

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.41		mg/L		96	90 - 110
Chloride	5.00	4.79		mg/L		96	90 - 110
Sulfate	10.0	9.45		mg/L		94	90 - 110
Fluoride	0.500	0.496		mg/L		99	90 - 110

Lab Sample ID: MRL 885-10243/3
Matrix: Water
Analysis Batch: 10243

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.123		mg/L		123	50 - 150
Chloride	0.500	0.532		mg/L		106	50 - 150
Sulfate	0.500	0.552		mg/L		110	50 - 150
Fluoride	0.100	0.113		mg/L		113	50 - 150

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-10244/4
Matrix: Water
Analysis Batch: 10244

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P	ND		0.50	0.25	mg/L			08/14/24 10:00	1

Lab Sample ID: LCS 885-10244/5
Matrix: Water
Analysis Batch: 10244

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Orthophosphate as P	5.00	4.85		mg/L		97	90 - 110

Lab Sample ID: MRL 885-10244/3
Matrix: Water
Analysis Batch: 10244

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Orthophosphate as P	0.500	0.591		mg/L		118	50 - 150

Lab Sample ID: MB 885-10479/26
Matrix: Water
Analysis Batch: 10479

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/16/24 09:53	1
Chloride	ND		0.50	0.25	mg/L			08/16/24 09:53	1
Sulfate	ND		0.50	0.25	mg/L			08/16/24 09:53	1
Fluoride	ND		0.10	0.046	mg/L			08/16/24 09:53	1

Lab Sample ID: MB 885-10479/74
Matrix: Water
Analysis Batch: 10479

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/16/24 19:46	1
Chloride	ND		0.50	0.25	mg/L			08/16/24 19:46	1
Sulfate	ND		0.50	0.25	mg/L			08/16/24 19:46	1
Fluoride	ND		0.10	0.046	mg/L			08/16/24 19:46	1

Lab Sample ID: LCS 885-10479/75
Matrix: Water
Analysis Batch: 10479

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.40		mg/L		96	90 - 110
Chloride	5.00	4.82		mg/L		96	90 - 110
Sulfate	10.0	9.45		mg/L		94	90 - 110
Fluoride	0.500	0.522		mg/L		104	90 - 110

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-10479/25
Matrix: Water
Analysis Batch: 10479

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.107		mg/L		107	50 - 150
Chloride	0.500	0.529		mg/L		106	50 - 150
Sulfate	0.500	0.509		mg/L		102	50 - 150
Fluoride	0.100	0.109		mg/L		109	50 - 150

Lab Sample ID: MB 885-11058/4
Matrix: Water
Analysis Batch: 11058

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Orthophosphate as P	ND		0.50	0.25	mg/L			08/26/24 12:53	1

Lab Sample ID: LCS 885-11058/5
Matrix: Water
Analysis Batch: 11058

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Orthophosphate as P	5.00	4.84		mg/L		97	90 - 110

Lab Sample ID: MRL 885-11058/3
Matrix: Water
Analysis Batch: 11058

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Orthophosphate as P	0.500	0.447	J	mg/L		89	50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-12129/81
Matrix: Water
Analysis Batch: 12129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/12/24 09:40	1
Iron	ND		0.020	0.017	mg/L			09/12/24 09:40	1
Magnesium	ND		1.0	0.098	mg/L			09/12/24 09:40	1
Manganese	ND		0.0020	0.00032	mg/L			09/12/24 09:40	1
Potassium	0.422	J	1.0	0.13	mg/L			09/12/24 09:40	1
Sodium	0.892	J	1.0	0.30	mg/L			09/12/24 09:40	1
Zinc	ND		0.020	0.0049	mg/L			09/12/24 09:40	1

Lab Sample ID: LCS 885-12129/83
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.4		mg/L		101	80 - 120
Iron	0.500	0.460		mg/L		92	80 - 120
Magnesium	50.0	50.9		mg/L		102	80 - 120
Manganese	0.500	0.439		mg/L		88	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

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

Lab Sample ID: LCS 885-12129/83
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	50.0	49.9		mg/L		100	80 - 120
Sodium	50.0	47.6		mg/L		95	80 - 120
Zinc	0.500	0.456		mg/L		91	80 - 120

Lab Sample ID: LCSD 885-12129/84
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	49.2		mg/L		98	80 - 120	2	20
Iron	0.500	0.474		mg/L		95	80 - 120	3	20
Magnesium	50.0	50.1		mg/L		100	80 - 120	2	20
Manganese	0.500	0.460		mg/L		92	80 - 120	5	20
Potassium	50.0	49.3		mg/L		99	80 - 120	1	20
Sodium	50.0	49.5		mg/L		99	80 - 120	4	20
Zinc	0.500	0.479		mg/L		96	80 - 120	5	20

Lab Sample ID: MRL 885-12129/14
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.498	J	mg/L		100	50 - 150
Iron	0.0200	ND		mg/L		98	50 - 150
Magnesium	0.500	0.534	J	mg/L		107	50 - 150
Manganese	0.00200	0.00198	J	mg/L		99	50 - 150
Potassium	0.500	0.761	J	mg/L		152	50 - 150
Sodium	0.500	1.03		mg/L		206	50 - 150
Zinc	0.0100	0.00933	J	mg/L		93	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-11041/14
Matrix: Water
Analysis Batch: 11041

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000902	J	mg/L		90	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000999	J	mg/L		100	70 - 130
Chromium	0.00100	0.00105		mg/L		105	70 - 130
Lead	0.00100	0.00103		mg/L		103	70 - 130
Selenium	0.00100	ND		mg/L		78	70 - 130
Silver	0.00100	0.00127		mg/L		127	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00114		mg/L		114	70 - 130
Barium	0.00100	0.00110		mg/L		110	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.000979	J	mg/L		98	70 - 130
Lead	0.00100	0.000995	J	mg/L		100	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

Lab Sample ID: MRL 885-11165/9
Matrix: Water
Analysis Batch: 11165

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000935	J	mg/L		94	70 - 130
Barium	0.00100	0.000997	J	mg/L		100	70 - 130
Cadmium	0.00100	0.00107		mg/L		107	70 - 130
Chromium	0.00100	0.00100		mg/L		100	70 - 130
Lead	0.00100	0.00112		mg/L		112	70 - 130
Selenium	0.00100	0.00115		mg/L		115	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130

Lab Sample ID: MRL 885-11282/9
Matrix: Water
Analysis Batch: 11282

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00105		mg/L		105	70 - 130
Barium	0.00100	0.000980	J	mg/L		98	70 - 130
Cadmium	0.00100	0.000819	J	mg/L		82	70 - 130
Chromium	0.00100	0.000994	J	mg/L		99	70 - 130
Lead	0.00100	0.000974	J	mg/L		97	70 - 130
Selenium	0.00100	0.000864	J	mg/L		86	70 - 130
Silver	0.00100	0.00128		mg/L		128	70 - 130

Lab Sample ID: MB 885-11856/15
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 09:57	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-11856/25
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0482		mg/L		96	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120
Copper	0.0500	0.0506		mg/L		101	80 - 120
Uranium	0.0500	0.0530		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0496		mg/L		99	80 - 120	3	20
Barium	0.0500	0.0520		mg/L		104	80 - 120	2	20
Cadmium	0.0500	0.0509		mg/L		102	80 - 120	4	20
Chromium	0.0500	0.0493		mg/L		99	80 - 120	1	20
Lead	0.0500	0.0524		mg/L		105	80 - 120	0	20
Selenium	0.0500	0.0501		mg/L		100	80 - 120	4	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	0	20
Copper	0.0500	0.0509		mg/L		102	80 - 120	1	20
Uranium	0.0500	0.0525		mg/L		105	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000999	J	mg/L		100	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000858	J	mg/L		86	70 - 130
Chromium	0.00100	0.00107		mg/L		107	70 - 130
Lead	0.00100	0.00113		mg/L		113	70 - 130
Selenium	0.00100	0.00118		mg/L		118	70 - 130
Silver	0.00100	0.00125		mg/L		125	70 - 130
Copper	0.00100	0.00101		mg/L		101	70 - 130
Uranium	0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MRL 885-12279/9
Matrix: Water
Analysis Batch: 12279

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00110		mg/L		110	70 - 130
Barium	0.00100	0.00113		mg/L		113	70 - 130
Cadmium	0.00100	0.00105		mg/L		105	70 - 130
Chromium	0.00100	0.00109		mg/L		109	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-12279/9
Matrix: Water
Analysis Batch: 12279

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.00100	0.00107		mg/L		107	70 - 130
Selenium	0.00100	0.00108		mg/L		108	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

Lab Sample ID: MB 885-12341/14
Matrix: Water
Analysis Batch: 12341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Barium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Cadmium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Chromium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Lead	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Selenium	ND		0.0010	0.00080	mg/L			09/16/24 11:03	1
Silver	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Copper	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1

Lab Sample ID: LCS 885-12341/23
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0507		mg/L		101	80 - 120
Barium	0.0500	0.0483		mg/L		97	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Chromium	0.0500	0.0502		mg/L		100	80 - 120
Lead	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0498		mg/L		100	80 - 120
Silver	0.0250	0.0251		mg/L		101	80 - 120
Copper	0.0500	0.0504		mg/L		101	80 - 120

Lab Sample ID: LCSD 885-12341/18
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0515		mg/L		103	80 - 120	2	20
Barium	0.0500	0.0501		mg/L		100	80 - 120	4	20
Cadmium	0.0500	0.0489		mg/L		98	80 - 120	2	20
Chromium	0.0500	0.0517		mg/L		103	80 - 120	3	20
Lead	0.0500	0.0507		mg/L		101	80 - 120	2	20
Selenium	0.0500	0.0516		mg/L		103	80 - 120	4	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Copper	0.0500	0.0510		mg/L		102	80 - 120	1	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-12341/9
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00109		mg/L		109	70 - 130
Barium	0.00100	0.00100		mg/L		100	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.00110		mg/L		110	70 - 130
Lead	0.00100	0.00102		mg/L		102	70 - 130
Selenium	0.00100	0.00111		mg/L		111	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130
Copper	0.00100	0.00105		mg/L		105	70 - 130

Lab Sample ID: MB 885-10758/1-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Barium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Chromium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Lead	ND		0.0050	0.0030	mg/L		08/22/24 08:50	08/23/24 11:20	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 08:50	08/23/24 11:20	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5

Lab Sample ID: LCS 885-10758/3-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0546		mg/L		109	80 - 120
Barium	0.0500	0.0491		mg/L		98	80 - 120
Cadmium	0.0500	0.0560		mg/L		112	80 - 120
Chromium	0.0500	0.0512		mg/L		102	80 - 120
Lead	0.0500	0.0529		mg/L		106	80 - 120
Selenium	0.0500	0.0470		mg/L		94	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-10513/9-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10513

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000148	J	mg/L		98	50 - 150

Lab Sample ID: MB 885-10516/1-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 12:56	08/21/24 10:18	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 885-10516/3-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00558		mg/L		112	85 - 115

Lab Sample ID: LLCS 885-10516/2-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10516

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000150	J	mg/L		100	50 - 150

Lab Sample ID: MB 885-10521/1-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 10:26	1

Lab Sample ID: LCS 885-10521/3-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00517		mg/L		103	85 - 115

Lab Sample ID: LLCS 885-10521/2-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10521

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000204		mg/L		136	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-11135/2
Matrix: Water
Analysis Batch: 11135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/26/24 10:15	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/26/24 10:15	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/26/24 10:15	1

Lab Sample ID: MB 885-11135/25
Matrix: Water
Analysis Batch: 11135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/26/24 14:53	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/26/24 14:53	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/26/24 14:53	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 885-11135/26
Matrix: Water
Analysis Batch: 11135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	81.7		mg/L		96	90 - 110

Lab Sample ID: LCS 885-11135/3
Matrix: Water
Analysis Batch: 11135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	76.0		mg/L		90	90 - 110

Lab Sample ID: MRL 885-11135/1
Matrix: Water
Analysis Batch: 11135

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.4		mg/L		110	50 - 150

Lab Sample ID: 885-9807-3 DU
Matrix: Water
Analysis Batch: 11135

Client Sample ID: MW-29
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	690		691		mg/L		0.3	20
Bicarbonate Alkalinity as CaCO3	690		691		mg/L		0.3	
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-11138/2
Matrix: Water
Analysis Batch: 11138

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/26/24 10:15	1

Lab Sample ID: MB 885-11138/25
Matrix: Water
Analysis Batch: 11138

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/26/24 14:53	1

Lab Sample ID: 885-9807-3 DU
Matrix: Water
Analysis Batch: 11138

Client Sample ID: MW-29
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Carbon dioxide	640	HF	644		mg/L		0.3	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

GC/MS VOA

Analysis Batch: 10872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	8260B	
885-9807-2	MW-44	Total/NA	Water	8260B	
885-9807-3	MW-29	Total/NA	Water	8260B	
885-9807-4	OW 3+85	Total/NA	Water	8260B	
885-9807-5	OW 11+15	Total/NA	Water	8260B	
885-9807-6	DUP-C	Total/NA	Water	8260B	
885-9807-7	Trip Blank	Total/NA	Water	8260B	
MB 885-10872/5	Method Blank	Total/NA	Water	8260B	
LCS 885-10872/4	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 10662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	8015M/D	
885-9807-2	MW-44	Total/NA	Water	8015M/D	
885-9807-3	MW-29	Total/NA	Water	8015M/D	
885-9807-4	OW 3+85	Total/NA	Water	8015M/D	
885-9807-5	OW 11+15	Total/NA	Water	8015M/D	
885-9807-6	DUP-C	Total/NA	Water	8015M/D	
MB 885-10662/26	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10662/25	Lab Control Sample	Total/NA	Water	8015M/D	

GC Semi VOA

Prep Batch: 10508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	3510C	
885-9807-2	MW-44	Total/NA	Water	3510C	
885-9807-3	MW-29	Total/NA	Water	3510C	
885-9807-4	OW 3+85	Total/NA	Water	3510C	
885-9807-5	OW 11+15	Total/NA	Water	3510C	
885-9807-6	DUP-C	Total/NA	Water	3510C	

Analysis Batch: 11205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-2	MW-44	Total/NA	Water	8015M/D	10508
885-9807-3	MW-29	Total/NA	Water	8015M/D	10508
885-9807-4	OW 3+85	Total/NA	Water	8015M/D	10508
885-9807-5	OW 11+15	Total/NA	Water	8015M/D	10508
885-9807-6	DUP-C	Total/NA	Water	8015M/D	10508

Analysis Batch: 11293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	8015M/D	10508

HPLC/IC

Analysis Batch: 10243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	300.0	
885-9807-2	MW-44	Total/NA	Water	300.0	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

HPLC/IC (Continued)

Analysis Batch: 10243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-3	MW-29	Total/NA	Water	300.0	
885-9807-3	MW-29	Total/NA	Water	300.0	
MB 885-10243/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10243/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10243/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	300.0	
885-9807-2	MW-44	Total/NA	Water	300.0	
885-9807-3	MW-29	Total/NA	Water	300.0	
MB 885-10244/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10244/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10244/3	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 10479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	300.0	
885-9807-2	MW-44	Total/NA	Water	300.0	
885-9807-3	MW-29	Total/NA	Water	300.0	
MB 885-10479/26	Method Blank	Total/NA	Water	300.0	
MB 885-10479/74	Method Blank	Total/NA	Water	300.0	
LCS 885-10479/75	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10479/25	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 11058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	300.0	
885-9807-2	MW-44	Total/NA	Water	300.0	
885-9807-3	MW-29	Total/NA	Water	300.0	
MB 885-11058/4	Method Blank	Total/NA	Water	300.0	
LCS 885-11058/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11058/3	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 10513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Dissolved	Water	7470A	
885-9807-1	MW-52	Total/NA	Water	7470A	
885-9807-2	MW-44	Dissolved	Water	7470A	
885-9807-2	MW-44	Total/NA	Water	7470A	
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Metals

Prep Batch: 10521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-3	MW-29	Dissolved	Water	7470A	
885-9807-3	MW-29	Total/NA	Water	7470A	
MB 885-10521/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10521/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10521/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 10758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total Recoverable	Water	3005A	
885-9807-2	MW-44	Total Recoverable	Water	3005A	
885-9807-3	MW-29	Total Recoverable	Water	3005A	
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 10795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Dissolved	Water	7470A	10516
885-9807-1	MW-52	Total/NA	Water	7470A	10516
885-9807-2	MW-44	Dissolved	Water	7470A	10516
885-9807-2	MW-44	Total/NA	Water	7470A	10516
885-9807-3	MW-29	Dissolved	Water	7470A	10521
885-9807-3	MW-29	Total/NA	Water	7470A	10521
MB 885-10516/1-A	Method Blank	Total/NA	Water	7470A	10516
MB 885-10521/1-A	Method Blank	Total/NA	Water	7470A	10521
LCS 885-10516/3-A	Lab Control Sample	Total/NA	Water	7470A	10516
LCS 885-10521/3-A	Lab Control Sample	Total/NA	Water	7470A	10521
LLCS 885-10516/2-A	Lab Control Sample	Total/NA	Water	7470A	10516
LLCS 885-10521/2-A	Lab Control Sample	Total/NA	Water	7470A	10521
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	7470A	10513

Analysis Batch: 10939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	6020A	10758
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10758

Analysis Batch: 11041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total Recoverable	Water	6020A	10758
885-9807-2	MW-44	Total Recoverable	Water	6020A	10758
885-9807-3	MW-29	Total Recoverable	Water	6020A	10758
MRL 885-11041/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-3	MW-29	Total Recoverable	Water	6020A	10758
MRL 885-11095/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-11165/9	Lab Control Sample	Total/NA	Water	6020A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Metals

Analysis Batch: 11282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-2	MW-44	Total Recoverable	Water	6020A	10758
MRL 885-11282/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Dissolved	Water	6020A	
885-9807-2	MW-44	Dissolved	Water	6020A	
885-9807-2	MW-44	Total Recoverable	Water	6020A	10758
885-9807-3	MW-29	Dissolved	Water	6020A	
MB 885-11856/15	Method Blank	Total/NA	Water	6020A	
LCS 885-11856/25	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/26	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 12129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Dissolved	Water	6010B	
885-9807-1	MW-52	Dissolved	Water	6010B	
885-9807-2	MW-44	Dissolved	Water	6010B	
885-9807-2	MW-44	Dissolved	Water	6010B	
885-9807-2	MW-44	Dissolved	Water	6010B	
885-9807-3	MW-29	Dissolved	Water	6010B	
885-9807-3	MW-29	Dissolved	Water	6010B	
885-9807-3	MW-29	Dissolved	Water	6010B	
MB 885-12129/81	Method Blank	Total/NA	Water	6010B	
LCS 885-12129/83	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12129/84	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-12129/14	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total Recoverable	Water	6020A	10758
MRL 885-12279/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 12341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Dissolved	Water	6020A	
885-9807-2	MW-44	Dissolved	Water	6020A	
885-9807-3	MW-29	Dissolved	Water	6020A	
MB 885-12341/14	Method Blank	Total/NA	Water	6020A	
LCS 885-12341/23	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-12341/18	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-12341/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 11135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	SM 2320B	
885-9807-2	MW-44	Total/NA	Water	SM 2320B	
885-9807-3	MW-29	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

General Chemistry (Continued)

Analysis Batch: 11135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-11135/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-11135/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11135/26	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-11135/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11135/1	Lab Control Sample	Total/NA	Water	SM 2320B	
885-9807-3 DU	MW-29	Total/NA	Water	SM 2320B	

Analysis Batch: 11138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9807-1	MW-52	Total/NA	Water	SM 4500 CO2 D	
885-9807-2	MW-44	Total/NA	Water	SM 4500 CO2 D	
885-9807-3	MW-29	Total/NA	Water	SM 4500 CO2 D	
MB 885-11138/2	Method Blank	Total/NA	Water	SM 4500 CO2 D	
MB 885-11138/25	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11138/26	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11138/3	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11138/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
885-9807-3 DU	MW-29	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: MW-52

Date Collected: 08/12/24 10:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10872	RA	EET ALB	08/23/24 18:43
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 16:38
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		1	11293	KR	EET ALB	08/29/24 13:45
Total/NA	Analysis	300.0		5	10243	RC	EET ALB	08/14/24 16:14
Total/NA	Analysis	300.0		5	10244	RC	EET ALB	08/14/24 16:14
Total/NA	Analysis	300.0		5	11058	JT	EET ALB	08/26/24 15:39
Total/NA	Analysis	300.0		50	10479	RC	EET ALB	08/17/24 04:49
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 09:49
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 09:52
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:44
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 11:16
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 12:26
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		20	12279	BV	EET ALB	09/13/24 14:00
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:42
Total/NA	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:39
Total/NA	Analysis	SM 2320B		1	11135	DL	EET ALB	08/26/24 14:22
Total/NA	Analysis	SM 4500 CO2 D		1	11138	DL	EET ALB	08/26/24 14:22

Client Sample ID: MW-44

Date Collected: 08/12/24 11:35
Date Received: 08/14/24 07:15

Lab Sample ID: 885-9807-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10872	RA	EET ALB	08/23/24 19:08
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 17:01
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		1	11205	KR	EET ALB	08/28/24 16:23
Total/NA	Analysis	300.0		5	10243	RC	EET ALB	08/14/24 16:40
Total/NA	Analysis	300.0		5	10244	RC	EET ALB	08/14/24 16:40
Total/NA	Analysis	300.0		5	11058	JT	EET ALB	08/26/24 15:55
Total/NA	Analysis	300.0		100	10479	RC	EET ALB	08/17/24 05:01
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 10:05
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 10:08
Dissolved	Analysis	6010B		100	12129	VP	EET ALB	09/12/24 10:10
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:49
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 11:25

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9807-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-44
Lab Sample ID: 885-9807-2
Date Collected: 08/12/24 11:35
Matrix: Water
Date Received: 08/14/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 12:31
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		50	11282	BV	EET ALB	08/28/24 13:51
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		50	11856	BV	EET ALB	09/06/24 14:12
Dissolved	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:47
Total/NA	Prep	7470A			10516	JE	EET ALB	08/19/24 12:57
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:44
Total/NA	Analysis	SM 2320B		1	11135	DL	EET ALB	08/26/24 14:32
Total/NA	Analysis	SM 4500 CO2 D		1	11138	DL	EET ALB	08/26/24 14:32

Client Sample ID: MW-29
Lab Sample ID: 885-9807-3
Date Collected: 08/12/24 12:55
Matrix: Water
Date Received: 08/14/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10872	RA	EET ALB	08/23/24 19:32
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 17:25
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		1	11205	KR	EET ALB	08/28/24 16:47
Total/NA	Analysis	300.0		5	10243	RC	EET ALB	08/14/24 17:31
Total/NA	Analysis	300.0		5	10244	RC	EET ALB	08/14/24 17:31
Total/NA	Analysis	300.0		20	10243	RC	EET ALB	08/14/24 17:44
Total/NA	Analysis	300.0		5	11058	JT	EET ALB	08/26/24 16:10
Total/NA	Analysis	300.0		50	10479	RC	EET ALB	08/17/24 05:14
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 10:13
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 10:15
Dissolved	Analysis	6010B		100	12129	VP	EET ALB	09/12/24 10:18
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:53
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 11:30
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 12:52
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 12:09
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:52
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:49
Total/NA	Analysis	SM 2320B		1	11135	DL	EET ALB	08/26/24 15:07
Total/NA	Analysis	SM 4500 CO2 D		1	11138	DL	EET ALB	08/26/24 15:07

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Client Sample ID: OW 3+85
Lab Sample ID: 885-9807-4
Date Collected: 08/12/24 13:45
Matrix: Water
Date Received: 08/14/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	10872	RA	EET ALB	08/23/24 19:57
Total/NA	Analysis	8015M/D		10	10662	JP	EET ALB	08/20/24 17:49
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		100	11205	KR	EET ALB	08/28/24 17:11

Client Sample ID: OW 11+15
Lab Sample ID: 885-9807-5
Date Collected: 08/12/24 14:25
Matrix: Water
Date Received: 08/14/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	10872	RA	EET ALB	08/23/24 20:21
Total/NA	Analysis	8015M/D		20	10662	JP	EET ALB	08/20/24 18:13
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		100	11205	KR	EET ALB	08/28/24 17:35

Client Sample ID: DUP-C
Lab Sample ID: 885-9807-6
Date Collected: 08/12/24 14:25
Matrix: Water
Date Received: 08/14/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	10872	RA	EET ALB	08/23/24 20:45
Total/NA	Analysis	8015M/D		10	10662	JP	EET ALB	08/20/24 18:36
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		100	11205	KR	EET ALB	08/28/24 17:59

Client Sample ID: Trip Blank
Lab Sample ID: 885-9807-7
Date Collected: 08/12/24 15:00
Matrix: Water
Date Received: 08/14/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10872	RA	EET ALB	08/23/24 21:10

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9807-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate Nitrite as N
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9807-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9807-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albequerque
4901 Hawkins NE
Albuquerque NM 87109
Phone: (505) 345-3975

Chain of Custody Record

eurofins

885-9807 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environ

COC No: ____ of ____

Client Contact	Project Manager: Devin Hencmann	Site Contact: Eric Carroll	Date:	TALS Project #:
Ensolum LLC	Email: dhencmann@ensolum.com	Lab Contact: Andy Freeman	Carrier:	Sampler:
776 E 2nd Avenue	Tel/Fax: 970-403-6023			For Lab Use Only:
Durango/CO/81301	**Analysis Turnaround Time**			Walk-in Client:
(303) 842-9578 Phone	☒ CALENDAR DAYS ☐ WORKING DAYS			Lab Sampling:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			
Project Name: Bloomfield Terminal	☐ 2 weeks			Job / SDG No.:
Site: -	☒ 1 week			
P O # 07A2015013	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs (EPA Method 8260)	VOCs Target List (Method 8260)	SVOCs (Method 8270)	TPH - DRO/MRO (Method 8015DRO)	TPH- GRO (8015DROLL)	Total Recoverable Metals (6010/7470)	Total Dissolved Metals (6010/7470)	Alkalinity (310.1)	Anions (300.0)	Carbon Dioxide (310.1)	Sample Specific Notes:
MW-52	8/12/24	1035	G	GW	various			X			X	X	X	X	X	X	X	1
MW-44		1135						X			X	X	X	X	X	X	X	2
MW-29		1255						X			X	X	X	X	X	X	X	3
OW 3+85		1345							X		X	X						4
OW 11+15		1425							X		X	X						5
DUP-C		1425							X		X	X						6
Trip Blank		1500			2 VOA													7

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Level 1V QC Package
cc: ecarroll@ensolum.com

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: ____ Corr'd: ____	Therm ID No.: ____
Relinquished by: Measles	Company: Ensolum	Date/Time: 8/12/24 1539	Received by: Cat Walk	Company: Eurofins	Date/Time: 8/12/24 1539
Relinquished by: Cat Walk	Company: Eurofins	Date/Time: 8/12/24 1800	Received by: courier	Company:	Date/Time: 8/13/24 7:15
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Temp 6.9+0.5=1.4
0.3+0.5=0.8

Y 09 c

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-9807-1

Login Number: 9807 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

Generated 9/20/2024 3:21:53 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-9925-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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9/20/2024 3:21:53 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-9925-1

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-9925-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

HPLC/IC

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-9925-1

Job ID: 885-9925-1 Eurofins Albuquerque

Job Narrative
885-9925-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/15/2024 6:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
Method 8260B: The initial calibration verification (ICV) analyzed in batch 885-10955 was outside method criteria for the following analyte(s): Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

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

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

HPLC/IC
Method 300_OF_28D_PREC: The following sample was diluted due to the nature of the sample matrix: MW-62 (885-9925-3). Elevated reporting limits (RLs) are provided.

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: MW-11 (885-9925-1) and MW-62 (885-9925-3). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010B - Dissolved: The RL for cations (Ca, K, Mg, Na) is 1ppm, and therefore, the MRL is recovering within the recovery limits.

(MRL 885-12129/14)

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

General Chemistry
Method 2320B: Reanalysis of the following sample was performed outside of the analytical holding time due to in hold analysis exceeding upper reporting limit.: MW-11 (885-9925-1).

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

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-11

Date Collected: 08/14/24 12:15
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/26/24 19:13	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/26/24 19:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/26/24 19:13	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/26/24 19:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/26/24 19:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/26/24 19:13	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/26/24 19:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/26/24 19:13	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/26/24 19:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/26/24 19:13	1
1,2,4-Trimethylbenzene	**0.29**	**J**	1.0	0.12	ug/L			08/26/24 19:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/26/24 19:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/26/24 19:13	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/26/24 19:13	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/26/24 19:13	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/26/24 19:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/26/24 19:13	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/26/24 19:13	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/26/24 19:13	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/26/24 19:13	1
1-Methylnaphthalene	**9.6**		4.0	2.0	ug/L			08/26/24 19:13	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/26/24 19:13	1
2-Butanone	ND		10	2.0	ug/L			08/26/24 19:13	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 19:13	1
2-Hexanone	ND		10	1.8	ug/L			08/26/24 19:13	1
2-Methylnaphthalene	**16**		4.0	2.0	ug/L			08/26/24 19:13	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 19:13	1
4-Isopropyltoluene	**0.29**	**J**	1.0	0.20	ug/L			08/26/24 19:13	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/26/24 19:13	1
Acetone	**2.8**	**J**	10	2.5	ug/L			08/26/24 19:13	1
Benzene	ND		1.0	0.23	ug/L			08/26/24 19:13	1
Bromobenzene	ND		1.0	0.28	ug/L			08/26/24 19:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/26/24 19:13	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/26/24 19:13	1
Bromoform	ND		1.0	0.31	ug/L			08/26/24 19:13	1
Bromomethane	ND		3.0	1.0	ug/L			08/26/24 19:13	1
Carbon disulfide	ND		10	1.0	ug/L			08/26/24 19:13	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/26/24 19:13	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/26/24 19:13	1
Chloroethane	ND		2.0	0.38	ug/L			08/26/24 19:13	1
Chloroform	ND		1.0	0.25	ug/L			08/26/24 19:13	1
Chloromethane	ND		3.0	0.41	ug/L			08/26/24 19:13	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/26/24 19:13	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/26/24 19:13	1
Dibromomethane	ND		1.0	0.31	ug/L			08/26/24 19:13	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/26/24 19:13	1
Ethylbenzene	**0.40**	**J**	1.0	0.21	ug/L			08/26/24 19:13	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/26/24 19:13	1
Isopropylbenzene	**58**		1.0	0.18	ug/L			08/26/24 19:13	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-11

Date Collected: 08/14/24 12:15
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**0.62**	**J**	1.0	0.39	ug/L			08/26/24 19:13	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/26/24 19:13	1
n-Butylbenzene	**1.7**	**J**	3.0	0.13	ug/L			08/26/24 19:13	1
N-Propylbenzene	**59**		1.0	0.11	ug/L			08/26/24 19:13	1
Naphthalene	**56**		2.0	0.24	ug/L			08/26/24 19:13	1
sec-Butylbenzene	**8.8**		1.0	0.14	ug/L			08/26/24 19:13	1
Styrene	ND		1.0	0.14	ug/L			08/26/24 19:13	1
tert-Butylbenzene	**2.2**		1.0	0.24	ug/L			08/26/24 19:13	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/26/24 19:13	1
Toluene	ND		1.0	0.25	ug/L			08/26/24 19:13	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/26/24 19:13	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/26/24 19:13	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/26/24 19:13	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/26/24 19:13	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/26/24 19:13	1
Xylenes, Total	**0.74**	**J**	1.5	0.37	ug/L			08/26/24 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*08/26/24 19:13*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/26/24 19:13*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*08/26/24 19:13*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/26/24 19:13*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.80**		0.25	0.066	mg/L			08/20/24 19:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*231*		*15 - 270*		*08/20/24 19:00*	*5*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.8**		0.19	0.067	mg/L		08/19/24 11:27	08/28/24 18:47	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 11:27	08/28/24 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*33 - 159*	*08/19/24 11:27*	*08/28/24 18:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**4.0**		1.0	0.50	mg/L			08/15/24 21:00	10
Nitrate	ND		1.0	0.20	mg/L			08/15/24 21:00	10
Chloride	**240**		50	25	mg/L			08/15/24 21:16	100
Nitrite	ND		1.0	0.12	mg/L			08/15/24 21:00	10
Orthophosphate as P	ND		5.0	2.5	mg/L			08/15/24 21:00	10
Sulfate	**3.1**	**J**	5.0	2.5	mg/L			08/15/24 21:00	10
Fluoride	ND		1.0	0.46	mg/L			08/15/24 21:00	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-11

Date Collected: 08/14/24 12:15
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	140		100	8.9	mg/L			09/12/24 10:27	100
Iron	6.5		2.0	1.7	mg/L			09/12/24 10:27	100
Magnesium	36	J	100	9.8	mg/L			09/12/24 10:27	100
Manganese	1.9		0.20	0.032	mg/L			09/12/24 10:27	100
Potassium	3.6		1.0	0.13	mg/L			09/12/24 10:22	1
Sodium	540		10	3.0	mg/L			09/12/24 10:25	10
Zinc	ND		2.0	0.49	mg/L			09/12/24 10:27	100

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.032		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:57	5
Barium	1.2		0.020	0.010	mg/L		08/22/24 09:28	08/28/24 13:03	20
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:57	5
Chromium	0.0026	J	0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:57	5
Lead	0.020		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 12:14	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 09:28	08/25/24 12:57	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/25/24 12:57	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026		0.020	0.010	mg/L			09/06/24 12:58	20
Barium	1.3		0.020	0.010	mg/L			09/06/24 12:58	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 12:58	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 12:58	20
Lead	ND		0.020	0.010	mg/L			09/06/24 12:58	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 12:58	20
Silver	ND		0.020	0.010	mg/L			09/16/24 11:34	20
Copper	ND		0.020	0.010	mg/L			09/06/24 12:58	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 12:58	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 12:54	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	1300	H	50	50	mg/L			08/29/24 17:04	2.5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	1300	H	50	50	mg/L			08/29/24 17:04	2.5
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND	H	5.0	5.0	mg/L			08/29/24 17:04	2.5
Carbon dioxide (SM 4500 CO2 D)	1100	HF	58	58	mg/L			08/29/24 17:04	2.5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-32

Date Collected: 08/14/24 13:00
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/26/24 19:42	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/26/24 19:42	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/26/24 19:42	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/26/24 19:42	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/26/24 19:42	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/26/24 19:42	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/26/24 19:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/26/24 19:42	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/26/24 19:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/26/24 19:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/26/24 19:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/26/24 19:42	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/26/24 19:42	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/26/24 19:42	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/26/24 19:42	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/26/24 19:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/26/24 19:42	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/26/24 19:42	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/26/24 19:42	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/26/24 19:42	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 19:42	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/26/24 19:42	1
2-Butanone	ND		10	2.0	ug/L			08/26/24 19:42	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 19:42	1
2-Hexanone	ND		10	1.8	ug/L			08/26/24 19:42	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 19:42	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 19:42	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/26/24 19:42	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/26/24 19:42	1
Acetone	ND		10	2.5	ug/L			08/26/24 19:42	1
Benzene	ND		1.0	0.23	ug/L			08/26/24 19:42	1
Bromobenzene	ND		1.0	0.28	ug/L			08/26/24 19:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/26/24 19:42	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/26/24 19:42	1
Bromoform	ND		1.0	0.31	ug/L			08/26/24 19:42	1
Bromomethane	ND		3.0	1.0	ug/L			08/26/24 19:42	1
Carbon disulfide	ND		10	1.0	ug/L			08/26/24 19:42	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/26/24 19:42	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/26/24 19:42	1
Chloroethane	ND		2.0	0.38	ug/L			08/26/24 19:42	1
Chloroform	ND		1.0	0.25	ug/L			08/26/24 19:42	1
Chloromethane	ND		3.0	0.41	ug/L			08/26/24 19:42	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/26/24 19:42	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/26/24 19:42	1
Dibromomethane	ND		1.0	0.31	ug/L			08/26/24 19:42	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/26/24 19:42	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/26/24 19:42	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/26/24 19:42	1
Isopropylbenzene	**0.31**	**J**	1.0	0.18	ug/L			08/26/24 19:42	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-32

Date Collected: 08/14/24 13:00
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/26/24 19:42	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/26/24 19:42	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/26/24 19:42	1
N-Propylbenzene	**0.43**	**J**	1.0	0.11	ug/L			08/26/24 19:42	1
Naphthalene	**1.2**	**J**	2.0	0.24	ug/L			08/26/24 19:42	1
sec-Butylbenzene	**0.29**	**J**	1.0	0.14	ug/L			08/26/24 19:42	1
Styrene	ND		1.0	0.14	ug/L			08/26/24 19:42	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/26/24 19:42	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/26/24 19:42	1
Toluene	ND		1.0	0.25	ug/L			08/26/24 19:42	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/26/24 19:42	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/26/24 19:42	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/26/24 19:42	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/26/24 19:42	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/26/24 19:42	1
Xylenes, Total	**0.41**	**J**	1.5	0.37	ug/L			08/26/24 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*08/26/24 19:42*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*08/26/24 19:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/26/24 19:42*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/26/24 19:42*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 270*		*08/20/24 19:24*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.095**	**J**	0.19	0.067	mg/L		08/19/24 11:27	08/28/24 19:11	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 11:27	08/28/24 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*33 - 159*	*08/19/24 11:27*	*08/28/24 19:11*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-62

Date Collected: 08/14/24 14:10
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/26/24 20:10	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/26/24 20:10	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/26/24 20:10	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/26/24 20:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/26/24 20:10	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/26/24 20:10	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/26/24 20:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/26/24 20:10	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/26/24 20:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/26/24 20:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/26/24 20:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/26/24 20:10	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/26/24 20:10	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/26/24 20:10	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/26/24 20:10	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/26/24 20:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/26/24 20:10	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/26/24 20:10	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/26/24 20:10	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/26/24 20:10	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 20:10	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/26/24 20:10	1
2-Butanone	ND		10	2.0	ug/L			08/26/24 20:10	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 20:10	1
2-Hexanone	ND		10	1.8	ug/L			08/26/24 20:10	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 20:10	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 20:10	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/26/24 20:10	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/26/24 20:10	1
Acetone	ND		10	2.5	ug/L			08/26/24 20:10	1
Benzene	ND		1.0	0.23	ug/L			08/26/24 20:10	1
Bromobenzene	ND		1.0	0.28	ug/L			08/26/24 20:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/26/24 20:10	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/26/24 20:10	1
Bromoform	ND		1.0	0.31	ug/L			08/26/24 20:10	1
Bromomethane	ND		3.0	1.0	ug/L			08/26/24 20:10	1
Carbon disulfide	ND		10	1.0	ug/L			08/26/24 20:10	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/26/24 20:10	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/26/24 20:10	1
Chloroethane	ND		2.0	0.38	ug/L			08/26/24 20:10	1
Chloroform	ND		1.0	0.25	ug/L			08/26/24 20:10	1
Chloromethane	ND		3.0	0.41	ug/L			08/26/24 20:10	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/26/24 20:10	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/26/24 20:10	1
Dibromomethane	ND		1.0	0.31	ug/L			08/26/24 20:10	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/26/24 20:10	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/26/24 20:10	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/26/24 20:10	1
Isopropylbenzene	**0.20**	**J**	1.0	0.18	ug/L			08/26/24 20:10	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-62

Date Collected: 08/14/24 14:10
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/26/24 20:10	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/26/24 20:10	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/26/24 20:10	1
N-Propylbenzene	**0.26**	**J**	1.0	0.11	ug/L			08/26/24 20:10	1
Naphthalene	**0.41**	**J**	2.0	0.24	ug/L			08/26/24 20:10	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/26/24 20:10	1
Styrene	ND		1.0	0.14	ug/L			08/26/24 20:10	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/26/24 20:10	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/26/24 20:10	1
Toluene	ND		1.0	0.25	ug/L			08/26/24 20:10	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/26/24 20:10	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/26/24 20:10	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/26/24 20:10	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/26/24 20:10	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/26/24 20:10	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/26/24 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*08/26/24 20:10*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/26/24 20:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*08/26/24 20:10*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/26/24 20:10*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*15 - 270*		*08/20/24 19:48*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/19/24 11:27	08/28/24 07:20	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 11:27	08/28/24 07:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*33 - 159*	*08/19/24 11:27*	*08/28/24 07:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.50	mg/L			08/15/24 21:31	10
Nitrate	**0.30**	**J**	1.0	0.20	mg/L			08/15/24 21:31	10
Chloride	**14**		5.0	2.5	mg/L			08/15/24 21:31	10
Nitrite	ND		1.0	0.12	mg/L			08/15/24 21:31	10
Orthophosphate as P	ND		5.0	2.5	mg/L			08/15/24 21:31	10
Sulfate	**3700**		50	25	mg/L			08/15/24 21:46	100
Fluoride	ND		1.0	0.46	mg/L			08/15/24 21:31	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**430**		10	0.89	mg/L			09/12/24 10:40	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: MW-62

Date Collected: 08/14/24 14:10
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-3

Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.023		0.020	0.017	mg/L			09/12/24 10:38	1
Magnesium	39		1.0	0.098	mg/L			09/12/24 10:38	1
Manganese	0.89		0.0020	0.00032	mg/L			09/12/24 10:38	1
Potassium	12		1.0	0.13	mg/L			09/12/24 10:38	1
Sodium	1600		100	30	mg/L			09/12/24 10:42	100
Zinc	0.25		0.020	0.0049	mg/L			09/12/24 10:38	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 12:18	5
Barium	0.076		0.020	0.010	mg/L		08/22/24 09:28	08/28/24 13:56	20
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 12:18	5
Chromium	0.0027	J	0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 12:18	5
Lead	ND		0.020	0.012	mg/L		08/22/24 09:28	08/28/24 13:56	20
Selenium	ND		0.020	0.016	mg/L		08/22/24 09:28	09/13/24 15:01	20
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 12:18	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:02	20
Barium	0.011	J	0.020	0.010	mg/L			09/06/24 13:02	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:02	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:02	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:02	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:02	20
Silver	ND		0.020	0.010	mg/L			09/16/24 11:39	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:02	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:02	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 12:59	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	540		20	20	mg/L			08/28/24 18:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	540		20	20	mg/L			08/28/24 18:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/28/24 18:30	1
Carbon dioxide (SM 4500 CO2 D)	530	HF	23	23	mg/L			08/28/24 18:30	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: Jungle Seep

Date Collected: 08/14/24 14:50
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/26/24 20:39	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/26/24 20:39	1
Toluene	ND		1.0	0.25	ug/L			08/26/24 20:39	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/26/24 20:39	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/26/24 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*08/26/24 20:39*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/26/24 20:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*08/26/24 20:39*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*08/26/24 20:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/15/24 22:01	1
Nitrate	**0.039**	**J**	0.10	0.020	mg/L			08/15/24 22:01	1
Chloride	**4.1**		0.50	0.25	mg/L			08/15/24 22:01	1
Nitrite	ND		0.10	0.012	mg/L			08/15/24 22:01	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/15/24 22:01	1
Sulfate	**80**		10	5.0	mg/L			08/15/24 22:16	20
Fluoride	**0.48**		0.10	0.046	mg/L			08/15/24 22:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**150**		20	20	mg/L			08/28/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**150**		20	20	mg/L			08/28/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/28/24 18:52	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: Rinse

Date Collected: 08/14/24 15:00
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/26/24 21:07	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/26/24 21:07	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/26/24 21:07	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/26/24 21:07	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/26/24 21:07	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/26/24 21:07	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/26/24 21:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/26/24 21:07	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/26/24 21:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/26/24 21:07	1
1,2,4-Trimethylbenzene	**0.35**	**J**	1.0	0.12	ug/L			08/26/24 21:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/26/24 21:07	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/26/24 21:07	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/26/24 21:07	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/26/24 21:07	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/26/24 21:07	1
1,3,5-Trimethylbenzene	**0.25**	**J**	1.0	0.18	ug/L			08/26/24 21:07	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/26/24 21:07	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/26/24 21:07	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/26/24 21:07	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 21:07	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/26/24 21:07	1
2-Butanone	ND		10	2.0	ug/L			08/26/24 21:07	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 21:07	1
2-Hexanone	ND		10	1.8	ug/L			08/26/24 21:07	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 21:07	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 21:07	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/26/24 21:07	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/26/24 21:07	1
Acetone	**28**		10	2.5	ug/L			08/26/24 21:07	1
Benzene	ND		1.0	0.23	ug/L			08/26/24 21:07	1
Bromobenzene	ND		1.0	0.28	ug/L			08/26/24 21:07	1
Bromodichloromethane	**1.6**		1.0	0.20	ug/L			08/26/24 21:07	1
Dibromochloromethane	**0.30**	**J**	1.0	0.28	ug/L			08/26/24 21:07	1
Bromoform	ND		1.0	0.31	ug/L			08/26/24 21:07	1
Bromomethane	ND		3.0	1.0	ug/L			08/26/24 21:07	1
Carbon disulfide	ND		10	1.0	ug/L			08/26/24 21:07	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/26/24 21:07	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/26/24 21:07	1
Chloroethane	ND		2.0	0.38	ug/L			08/26/24 21:07	1
Chloroform	**9.5**		1.0	0.25	ug/L			08/26/24 21:07	1
Chloromethane	ND		3.0	0.41	ug/L			08/26/24 21:07	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/26/24 21:07	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/26/24 21:07	1
Dibromomethane	ND		1.0	0.31	ug/L			08/26/24 21:07	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/26/24 21:07	1
Ethylbenzene	**0.29**	**J**	1.0	0.21	ug/L			08/26/24 21:07	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/26/24 21:07	1
Isopropylbenzene	**0.18**	**J**	1.0	0.18	ug/L			08/26/24 21:07	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: Rinse
Date Collected: 08/14/24 15:00
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**0.39**	**J**	1.0	0.39	ug/L			08/26/24 21:07	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/26/24 21:07	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/26/24 21:07	1
N-Propylbenzene	**0.25**	**J**	1.0	0.11	ug/L			08/26/24 21:07	1
Naphthalene	**0.38**	**J**	2.0	0.24	ug/L			08/26/24 21:07	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/26/24 21:07	1
Styrene	ND		1.0	0.14	ug/L			08/26/24 21:07	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/26/24 21:07	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/26/24 21:07	1
Toluene	**0.77**	**J**	1.0	0.25	ug/L			08/26/24 21:07	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/26/24 21:07	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/26/24 21:07	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/26/24 21:07	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/26/24 21:07	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/26/24 21:07	1
Xylenes, Total	**1.0**	**J**	1.5	0.37	ug/L			08/26/24 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*08/26/24 21:07*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/26/24 21:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*08/26/24 21:07*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/26/24 21:07*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: Field

Date Collected: 08/14/24 15:10
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/26/24 23:58	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/26/24 23:58	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/26/24 23:58	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/26/24 23:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/26/24 23:58	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/26/24 23:58	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/26/24 23:58	1
1,2,3-Trichlorobenzene	**0.29**	**J**	1.0	0.25	ug/L			08/26/24 23:58	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/26/24 23:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/26/24 23:58	1
1,2,4-Trimethylbenzene	**0.35**	**J**	1.0	0.12	ug/L			08/26/24 23:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/26/24 23:58	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/26/24 23:58	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/26/24 23:58	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/26/24 23:58	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/26/24 23:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/26/24 23:58	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/26/24 23:58	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/26/24 23:58	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/26/24 23:58	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 23:58	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/26/24 23:58	1
2-Butanone	ND		10	2.0	ug/L			08/26/24 23:58	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 23:58	1
2-Hexanone	ND		10	1.8	ug/L			08/26/24 23:58	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 23:58	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 23:58	1
4-Isopropyltoluene	**0.27**	**J**	1.0	0.20	ug/L			08/26/24 23:58	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/26/24 23:58	1
Acetone	**27**		10	2.5	ug/L			08/26/24 23:58	1
Benzene	ND		1.0	0.23	ug/L			08/26/24 23:58	1
Bromobenzene	ND		1.0	0.28	ug/L			08/26/24 23:58	1
Bromodichloromethane	**1.5**		1.0	0.20	ug/L			08/26/24 23:58	1
Dibromochloromethane	**0.29**	**J**	1.0	0.28	ug/L			08/26/24 23:58	1
Bromoform	ND		1.0	0.31	ug/L			08/26/24 23:58	1
Bromomethane	ND		3.0	1.0	ug/L			08/26/24 23:58	1
Carbon disulfide	ND		10	1.0	ug/L			08/26/24 23:58	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/26/24 23:58	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/26/24 23:58	1
Chloroethane	ND		2.0	0.38	ug/L			08/26/24 23:58	1
Chloroform	**9.2**		1.0	0.25	ug/L			08/26/24 23:58	1
Chloromethane	ND		3.0	0.41	ug/L			08/26/24 23:58	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/26/24 23:58	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/26/24 23:58	1
Dibromomethane	ND		1.0	0.31	ug/L			08/26/24 23:58	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/26/24 23:58	1
Ethylbenzene	**0.29**	**J**	1.0	0.21	ug/L			08/26/24 23:58	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/26/24 23:58	1
Isopropylbenzene	**0.18**	**J**	1.0	0.18	ug/L			08/26/24 23:58	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: Field

Lab Sample ID: 885-9925-6

Date Collected: 08/14/24 15:10
Matrix: Water
Date Received: 08/15/24 06:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/26/24 23:58	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/26/24 23:58	1
n-Butylbenzene	**0.37**	**J**	3.0	0.13	ug/L			08/26/24 23:58	1
N-Propylbenzene	**0.25**	**J**	1.0	0.11	ug/L			08/26/24 23:58	1
Naphthalene	**0.39**	**J**	2.0	0.24	ug/L			08/26/24 23:58	1
sec-Butylbenzene	**0.25**	**J**	1.0	0.14	ug/L			08/26/24 23:58	1
Styrene	ND		1.0	0.14	ug/L			08/26/24 23:58	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/26/24 23:58	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/26/24 23:58	1
Toluene	**0.71**	**J**	1.0	0.25	ug/L			08/26/24 23:58	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/26/24 23:58	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/26/24 23:58	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/26/24 23:58	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/26/24 23:58	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/26/24 23:58	1
Xylenes, Total	**0.97**	**J**	1.5	0.37	ug/L			08/26/24 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*08/26/24 23:58*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/26/24 23:58*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/26/24 23:58*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/26/24 23:58*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-10955/30
Matrix: Water
Analysis Batch: 10955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/26/24 23:30	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/26/24 23:30	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/26/24 23:30	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/26/24 23:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/26/24 23:30	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/26/24 23:30	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/26/24 23:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/26/24 23:30	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/26/24 23:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/26/24 23:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/26/24 23:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/26/24 23:30	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/26/24 23:30	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/26/24 23:30	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/26/24 23:30	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/26/24 23:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/26/24 23:30	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/26/24 23:30	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/26/24 23:30	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/26/24 23:30	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 23:30	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/26/24 23:30	1
2-Butanone	ND		10	2.0	ug/L			08/26/24 23:30	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 23:30	1
2-Hexanone	ND		10	1.8	ug/L			08/26/24 23:30	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 23:30	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 23:30	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/26/24 23:30	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/26/24 23:30	1
Acetone	ND		10	2.5	ug/L			08/26/24 23:30	1
Benzene	ND		1.0	0.23	ug/L			08/26/24 23:30	1
Bromobenzene	ND		1.0	0.28	ug/L			08/26/24 23:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/26/24 23:30	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/26/24 23:30	1
Bromoform	ND		1.0	0.31	ug/L			08/26/24 23:30	1
Bromomethane	ND		3.0	1.0	ug/L			08/26/24 23:30	1
Carbon disulfide	ND		10	1.0	ug/L			08/26/24 23:30	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/26/24 23:30	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/26/24 23:30	1
Chloroethane	ND		2.0	0.38	ug/L			08/26/24 23:30	1
Chloroform	ND		1.0	0.25	ug/L			08/26/24 23:30	1
Chloromethane	ND		3.0	0.41	ug/L			08/26/24 23:30	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/26/24 23:30	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/26/24 23:30	1
Dibromomethane	ND		1.0	0.31	ug/L			08/26/24 23:30	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/26/24 23:30	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/26/24 23:30	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/26/24 23:30	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

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

Lab Sample ID: MB 885-10955/30
Matrix: Water
Analysis Batch: 10955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			08/26/24 23:30	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/26/24 23:30	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/26/24 23:30	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/26/24 23:30	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/26/24 23:30	1
Naphthalene	ND		2.0	0.24	ug/L			08/26/24 23:30	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/26/24 23:30	1
Styrene	ND		1.0	0.14	ug/L			08/26/24 23:30	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/26/24 23:30	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/26/24 23:30	1
Toluene	ND		1.0	0.25	ug/L			08/26/24 23:30	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/26/24 23:30	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/26/24 23:30	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/26/24 23:30	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/26/24 23:30	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/26/24 23:30	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/26/24 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*08/26/24 23:30*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/26/24 23:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/26/24 23:30*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*08/26/24 23:30*	*1*

Lab Sample ID: MB 885-10955/4
Matrix: Water
Analysis Batch: 10955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			08/26/24 10:38	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			08/26/24 10:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			08/26/24 10:38	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			08/26/24 10:38	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/26/24 10:38	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/26/24 10:38	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			08/26/24 10:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			08/26/24 10:38	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			08/26/24 10:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			08/26/24 10:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			08/26/24 10:38	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			08/26/24 10:38	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			08/26/24 10:38	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			08/26/24 10:38	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			08/26/24 10:38	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			08/26/24 10:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			08/26/24 10:38	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			08/26/24 10:38	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			08/26/24 10:38	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

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

Lab Sample ID: MB 885-10955/4
Matrix: Water
Analysis Batch: 10955

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			08/26/24 10:38	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 10:38	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			08/26/24 10:38	1
2-Butanone	ND		10	2.0	ug/L			08/26/24 10:38	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 10:38	1
2-Hexanone	ND		10	1.8	ug/L			08/26/24 10:38	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			08/26/24 10:38	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			08/26/24 10:38	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			08/26/24 10:38	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			08/26/24 10:38	1
Acetone	ND		10	2.5	ug/L			08/26/24 10:38	1
Benzene	ND		1.0	0.23	ug/L			08/26/24 10:38	1
Bromobenzene	ND		1.0	0.28	ug/L			08/26/24 10:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/26/24 10:38	1
Dibromochloromethane	ND		1.0	0.28	ug/L			08/26/24 10:38	1
Bromoform	ND		1.0	0.31	ug/L			08/26/24 10:38	1
Bromomethane	ND		3.0	1.0	ug/L			08/26/24 10:38	1
Carbon disulfide	ND		10	1.0	ug/L			08/26/24 10:38	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			08/26/24 10:38	1
Chlorobenzene	ND		1.0	0.46	ug/L			08/26/24 10:38	1
Chloroethane	ND		2.0	0.38	ug/L			08/26/24 10:38	1
Chloroform	ND		1.0	0.25	ug/L			08/26/24 10:38	1
Chloromethane	ND		3.0	0.41	ug/L			08/26/24 10:38	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			08/26/24 10:38	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			08/26/24 10:38	1
Dibromomethane	ND		1.0	0.31	ug/L			08/26/24 10:38	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			08/26/24 10:38	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/26/24 10:38	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			08/26/24 10:38	1
Isopropylbenzene	ND		1.0	0.18	ug/L			08/26/24 10:38	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/26/24 10:38	1
Methylene Chloride	ND		3.0	1.2	ug/L			08/26/24 10:38	1
n-Butylbenzene	ND		3.0	0.13	ug/L			08/26/24 10:38	1
N-Propylbenzene	ND		1.0	0.11	ug/L			08/26/24 10:38	1
Naphthalene	ND		2.0	0.24	ug/L			08/26/24 10:38	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			08/26/24 10:38	1
Styrene	ND		1.0	0.14	ug/L			08/26/24 10:38	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			08/26/24 10:38	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			08/26/24 10:38	1
Toluene	ND		1.0	0.25	ug/L			08/26/24 10:38	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			08/26/24 10:38	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			08/26/24 10:38	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			08/26/24 10:38	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			08/26/24 10:38	1
Vinyl chloride	ND		1.0	0.32	ug/L			08/26/24 10:38	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/26/24 10:38	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

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

Lab Sample ID: MB 885-10955/4
Matrix: Water
Analysis Batch: 10955

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*08/26/24 10:38*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*08/26/24 10:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*08/26/24 10:38*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/26/24 10:38*	*1*

Lab Sample ID: LCS 885-10955/29
Matrix: Water
Analysis Batch: 10955

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	19.4		ug/L		96	70 - 130
Benzene	20.1	20.3		ug/L		101	70 - 130
Chlorobenzene	20.1	21.2		ug/L		106	70 - 130
Toluene	20.2	20.8		ug/L		103	70 - 130
Trichloroethene (TCE)	20.2	19.0		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*

Lab Sample ID: LCS 885-10955/3
Matrix: Water
Analysis Batch: 10955

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.3		ug/L		101	70 - 130
Benzene	20.1	20.6		ug/L		103	70 - 130
Chlorobenzene	20.1	24.0		ug/L		120	70 - 130
Toluene	20.2	23.4		ug/L		116	70 - 130
Trichloroethene (TCE)	20.2	19.2		ug/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10662/26
Matrix: Water
Analysis Batch: 10662

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/20/24 11:54	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-10662/26
Matrix: Water
Analysis Batch: 10662

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 270		08/20/24 11:54	1

Lab Sample ID: LCS 885-10662/25
Matrix: Water
Analysis Batch: 10662

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.483		mg/L		97	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	195		15 - 270

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10318/4
Matrix: Water
Analysis Batch: 10318

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/15/24 17:28	1
Chloride	ND		0.50	0.25	mg/L			08/15/24 17:28	1
Sulfate	ND		0.50	0.25	mg/L			08/15/24 17:28	1
Fluoride	ND		0.10	0.046	mg/L			08/15/24 17:28	1

Lab Sample ID: LCS 885-10318/5
Matrix: Water
Analysis Batch: 10318

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			2.50	2.28		mg/L		91	90 - 110		
Chloride			5.00	4.63		mg/L		93	90 - 110		
Sulfate			10.0	9.37		mg/L		94	90 - 110		
Fluoride			0.500	0.477		mg/L		95	90 - 110		

Lab Sample ID: MRL 885-10318/3
Matrix: Water
Analysis Batch: 10318

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			0.100	0.120		mg/L		120	50 - 150		
Chloride			0.500	0.517		mg/L		103	50 - 150		
Sulfate			0.500	0.538		mg/L		108	50 - 150		
Fluoride			0.100	0.104		mg/L		104	50 - 150		

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-10319/4
Matrix: Water
Analysis Batch: 10319

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			08/15/24 17:28	1
Nitrite	ND		0.10	0.012	mg/L			08/15/24 17:28	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/15/24 17:28	1

Lab Sample ID: LCS 885-10319/5
Matrix: Water
Analysis Batch: 10319

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.48		mg/L		99	90 - 110
Nitrite	1.00	0.928		mg/L		93	90 - 110
Orthophosphate as P	5.00	4.69		mg/L		94	90 - 110

Lab Sample ID: MRL 885-10319/3
Matrix: Water
Analysis Batch: 10319

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.103		mg/L		103	50 - 150
Nitrite	0.0999	0.0888	J	mg/L		89	50 - 150
Orthophosphate as P	0.500	0.570		mg/L		114	50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-12129/81
Matrix: Water
Analysis Batch: 12129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/12/24 09:40	1
Iron	ND		0.020	0.017	mg/L			09/12/24 09:40	1
Magnesium	ND		1.0	0.098	mg/L			09/12/24 09:40	1
Manganese	ND		0.0020	0.00032	mg/L			09/12/24 09:40	1
Potassium	0.422	J	1.0	0.13	mg/L			09/12/24 09:40	1
Sodium	0.892	J	1.0	0.30	mg/L			09/12/24 09:40	1
Zinc	ND		0.020	0.0049	mg/L			09/12/24 09:40	1

Lab Sample ID: LCS 885-12129/83
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.4		mg/L		101	80 - 120
Iron	0.500	0.460		mg/L		92	80 - 120
Magnesium	50.0	50.9		mg/L		102	80 - 120
Manganese	0.500	0.439		mg/L		88	80 - 120
Potassium	50.0	49.9		mg/L		100	80 - 120
Sodium	50.0	47.6		mg/L		95	80 - 120
Zinc	0.500	0.456		mg/L		91	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

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

Lab Sample ID: LCSD 885-12129/84
Matrix: Water
Analysis Batch: 12129

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			50.0	49.2		mg/L		98	80 - 120	2	20
Iron			0.500	0.474		mg/L		95	80 - 120	3	20
Magnesium			50.0	50.1		mg/L		100	80 - 120	2	20
Manganese			0.500	0.460		mg/L		92	80 - 120	5	20
Potassium			50.0	49.3		mg/L		99	80 - 120	1	20
Sodium			50.0	49.5		mg/L		99	80 - 120	4	20
Zinc			0.500	0.479		mg/L		96	80 - 120	5	20

Lab Sample ID: MRL 885-12129/14
Matrix: Water
Analysis Batch: 12129

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium			0.500	0.498	J	mg/L		100	50 - 150
Iron			0.0200	ND		mg/L		98	50 - 150
Magnesium			0.500	0.534	J	mg/L		107	50 - 150
Manganese			0.00200	0.00198	J	mg/L		99	50 - 150
Potassium			0.500	0.761	J	mg/L		152	50 - 150
Sodium			0.500	1.03		mg/L		206	50 - 150
Zinc			0.0100	0.00933	J	mg/L		93	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-11041/14
Matrix: Water
Analysis Batch: 11041

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.00100	0.000902	J	mg/L		90	70 - 130
Barium			0.00100	0.00102		mg/L		102	70 - 130
Cadmium			0.00100	0.000999	J	mg/L		100	70 - 130
Chromium			0.00100	0.00105		mg/L		105	70 - 130
Lead			0.00100	0.00103		mg/L		103	70 - 130
Selenium			0.00100	ND		mg/L		78	70 - 130
Silver			0.00100	0.00127		mg/L		127	70 - 130

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.00100	0.00114		mg/L		114	70 - 130
Barium			0.00100	0.00110		mg/L		110	70 - 130
Cadmium			0.00100	0.00101		mg/L		101	70 - 130
Chromium			0.00100	0.000979	J	mg/L		98	70 - 130
Lead			0.00100	0.000995	J	mg/L		100	70 - 130
Silver			0.00100	0.00129		mg/L		129	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-11282/9
Matrix: Water
Analysis Batch: 11282

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00105		mg/L		105	70 - 130
Barium	0.00100	0.000980	J	mg/L		98	70 - 130
Cadmium	0.00100	0.000819	J	mg/L		82	70 - 130
Chromium	0.00100	0.000994	J	mg/L		99	70 - 130
Lead	0.00100	0.000974	J	mg/L		97	70 - 130
Selenium	0.00100	0.000864	J	mg/L		86	70 - 130
Silver	0.00100	0.00128		mg/L		128	70 - 130

Lab Sample ID: MB 885-11856/15
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 09:57	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 09:57	1

Lab Sample ID: LCS 885-11856/25
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0511		mg/L		102	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Chromium	0.0500	0.0490		mg/L		98	80 - 120
Lead	0.0500	0.0524		mg/L		105	80 - 120
Selenium	0.0500	0.0482		mg/L		96	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120
Copper	0.0500	0.0506		mg/L		101	80 - 120
Uranium	0.0500	0.0530		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0496		mg/L		99	80 - 120	3	20
Barium	0.0500	0.0520		mg/L		104	80 - 120	2	20
Cadmium	0.0500	0.0509		mg/L		102	80 - 120	4	20
Chromium	0.0500	0.0493		mg/L		99	80 - 120	1	20
Lead	0.0500	0.0524		mg/L		105	80 - 120	0	20
Selenium	0.0500	0.0501		mg/L		100	80 - 120	4	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 885-11856/26
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	0.0250	0.0250		mg/L		100	80 - 120	0	20
Copper	0.0500	0.0509		mg/L		102	80 - 120	1	20
Uranium	0.0500	0.0525		mg/L		105	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000999	J	mg/L		100	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000858	J	mg/L		86	70 - 130
Chromium	0.00100	0.00107		mg/L		107	70 - 130
Lead	0.00100	0.00113		mg/L		113	70 - 130
Selenium	0.00100	0.00118		mg/L		118	70 - 130
Silver	0.00100	0.00125		mg/L		125	70 - 130
Copper	0.00100	0.00101		mg/L		101	70 - 130
Uranium	0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MRL 885-12279/9
Matrix: Water
Analysis Batch: 12279

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00110		mg/L		110	70 - 130
Barium	0.00100	0.00113		mg/L		113	70 - 130
Cadmium	0.00100	0.00105		mg/L		105	70 - 130
Chromium	0.00100	0.00109		mg/L		109	70 - 130
Lead	0.00100	0.00107		mg/L		107	70 - 130
Selenium	0.00100	0.00108		mg/L		108	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

Lab Sample ID: MB 885-12341/14
Matrix: Water
Analysis Batch: 12341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Barium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Cadmium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Chromium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Lead	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Selenium	ND		0.0010	0.00080	mg/L			09/16/24 11:03	1
Silver	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Copper	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-12341/23
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0507		mg/L		101	80 - 120
Barium	0.0500	0.0483		mg/L		97	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Chromium	0.0500	0.0502		mg/L		100	80 - 120
Lead	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0498		mg/L		100	80 - 120
Silver	0.0250	0.0251		mg/L		101	80 - 120
Copper	0.0500	0.0504		mg/L		101	80 - 120

Lab Sample ID: LCSD 885-12341/18
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0515		mg/L		103	80 - 120	2	20
Barium	0.0500	0.0501		mg/L		100	80 - 120	4	20
Cadmium	0.0500	0.0489		mg/L		98	80 - 120	2	20
Chromium	0.0500	0.0517		mg/L		103	80 - 120	3	20
Lead	0.0500	0.0507		mg/L		101	80 - 120	2	20
Selenium	0.0500	0.0516		mg/L		103	80 - 120	4	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Copper	0.0500	0.0510		mg/L		102	80 - 120	1	20

Lab Sample ID: MRL 885-12341/9
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00109		mg/L		109	70 - 130
Barium	0.00100	0.00100		mg/L		100	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.00110		mg/L		110	70 - 130
Lead	0.00100	0.00102		mg/L		102	70 - 130
Selenium	0.00100	0.00111		mg/L		111	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130
Copper	0.00100	0.00105		mg/L		105	70 - 130

Lab Sample ID: MB 885-10758/1-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Barium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Chromium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Lead	ND		0.0050	0.0030	mg/L		08/22/24 08:50	08/23/24 11:20	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 08:50	08/23/24 11:20	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-10758/3-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0546		mg/L		109	80 - 120
Barium	0.0500	0.0491		mg/L		98	80 - 120
Cadmium	0.0500	0.0560		mg/L		112	80 - 120
Chromium	0.0500	0.0512		mg/L		102	80 - 120
Lead	0.0500	0.0529		mg/L		106	80 - 120
Selenium	0.0500	0.0470		mg/L		94	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-10513/9-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10513

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000148	J	mg/L		98	50 - 150

Lab Sample ID: MB 885-10521/1-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 10:26	1

Lab Sample ID: LCS 885-10521/3-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00517		mg/L		103	85 - 115

Lab Sample ID: LLCS 885-10521/2-A
Matrix: Water
Analysis Batch: 10795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10521

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000204		mg/L		136	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-11254/2
Matrix: Water
Analysis Batch: 11254

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/28/24 16:34	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/28/24 16:34	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/28/24 16:34	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 885-11254/3
Matrix: Water
Analysis Batch: 11254

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	82.0		mg/L		97	90 - 110

Lab Sample ID: MRL 885-11254/1
Matrix: Water
Analysis Batch: 11254

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.8		mg/L		108	50 - 150

Lab Sample ID: MB 885-11378/2
Matrix: Water
Analysis Batch: 11378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/29/24 11:29	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/29/24 11:29	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/29/24 11:29	1

Lab Sample ID: MB 885-11378/25
Matrix: Water
Analysis Batch: 11378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/29/24 16:30	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/29/24 16:30	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/29/24 16:30	1

Lab Sample ID: LCS 885-11378/26
Matrix: Water
Analysis Batch: 11378

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	84.1		mg/L		99	90 - 110

Lab Sample ID: LCS 885-11378/3
Matrix: Water
Analysis Batch: 11378

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	84.0		mg/L		99	90 - 110

Lab Sample ID: MRL 885-11378/1
Matrix: Water
Analysis Batch: 11378

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.2		mg/L		109	50 - 150

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-11257/2
Matrix: Water
Analysis Batch: 11257

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/28/24 16:34	1

Lab Sample ID: MB 885-11381/25
Matrix: Water
Analysis Batch: 11381

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			08/29/24 16:30	1

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

GC/MS VOA

Analysis Batch: 10955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	8260B	
885-9925-2	MW-32	Total/NA	Water	8260B	
885-9925-3	MW-62	Total/NA	Water	8260B	
885-9925-4	Jungle Seep	Total/NA	Water	8260B	
885-9925-5	Rinse	Total/NA	Water	8260B	
885-9925-6	Field	Total/NA	Water	8260B	
MB 885-10955/30	Method Blank	Total/NA	Water	8260B	
MB 885-10955/4	Method Blank	Total/NA	Water	8260B	
LCS 885-10955/29	Lab Control Sample	Total/NA	Water	8260B	
LCS 885-10955/3	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 10662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	8015M/D	
885-9925-2	MW-32	Total/NA	Water	8015M/D	
885-9925-3	MW-62	Total/NA	Water	8015M/D	
MB 885-10662/26	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10662/25	Lab Control Sample	Total/NA	Water	8015M/D	

GC Semi VOA

Prep Batch: 10508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	3510C	
885-9925-2	MW-32	Total/NA	Water	3510C	
885-9925-3	MW-62	Total/NA	Water	3510C	

Analysis Batch: 11100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-3	MW-62	Total/NA	Water	8015M/D	10508

Analysis Batch: 11205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	8015M/D	10508
885-9925-2	MW-32	Total/NA	Water	8015M/D	10508

HPLC/IC

Analysis Batch: 10318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	300.0	
885-9925-1	MW-11	Total/NA	Water	300.0	
885-9925-3	MW-62	Total/NA	Water	300.0	
885-9925-3	MW-62	Total/NA	Water	300.0	
885-9925-4	Jungle Seep	Total/NA	Water	300.0	
885-9925-4	Jungle Seep	Total/NA	Water	300.0	
MB 885-10318/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10318/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10318/3	Lab Control Sample	Total/NA	Water	300.0	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

HPLC/IC

Analysis Batch: 10319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	300.0	
885-9925-3	MW-62	Total/NA	Water	300.0	
885-9925-4	Jungle Seep	Total/NA	Water	300.0	
MB 885-10319/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10319/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10319/3	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 10513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Dissolved	Water	7470A	
885-9925-1	MW-11	Total/NA	Water	7470A	
885-9925-3	MW-62	Dissolved	Water	7470A	
885-9925-3	MW-62	Total/NA	Water	7470A	
MB 885-10521/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10521/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10521/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 10758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total Recoverable	Water	3005A	
885-9925-3	MW-62	Total Recoverable	Water	3005A	
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 10795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Dissolved	Water	7470A	10521
885-9925-1	MW-11	Total/NA	Water	7470A	10521
885-9925-3	MW-62	Dissolved	Water	7470A	10521
885-9925-3	MW-62	Total/NA	Water	7470A	10521
MB 885-10521/1-A	Method Blank	Total/NA	Water	7470A	10521
LCS 885-10521/3-A	Lab Control Sample	Total/NA	Water	7470A	10521
LLCS 885-10521/2-A	Lab Control Sample	Total/NA	Water	7470A	10521
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	7470A	10513

Analysis Batch: 10939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	6020A	10758
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10758

Analysis Batch: 11041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total Recoverable	Water	6020A	10758
MRL 885-11041/14	Lab Control Sample	Total/NA	Water	6020A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Metals

Analysis Batch: 11095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total Recoverable	Water	6020A	10758
885-9925-3	MW-62	Total Recoverable	Water	6020A	10758
MRL 885-11095/14	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total Recoverable	Water	6020A	10758
885-9925-3	MW-62	Total Recoverable	Water	6020A	10758
MRL 885-11282/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Dissolved	Water	6020A	
885-9925-3	MW-62	Dissolved	Water	6020A	
MB 885-11856/15	Method Blank	Total/NA	Water	6020A	
LCS 885-11856/25	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/26	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 12129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Dissolved	Water	6010B	
885-9925-1	MW-11	Dissolved	Water	6010B	
885-9925-1	MW-11	Dissolved	Water	6010B	
885-9925-3	MW-62	Dissolved	Water	6010B	
885-9925-3	MW-62	Dissolved	Water	6010B	
885-9925-3	MW-62	Dissolved	Water	6010B	
MB 885-12129/81	Method Blank	Total/NA	Water	6010B	
LCS 885-12129/83	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12129/84	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-12129/14	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-3	MW-62	Total Recoverable	Water	6020A	10758
MRL 885-12279/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 12341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Dissolved	Water	6020A	
885-9925-3	MW-62	Dissolved	Water	6020A	
MB 885-12341/14	Method Blank	Total/NA	Water	6020A	
LCS 885-12341/23	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-12341/18	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-12341/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 11254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-3	MW-62	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

General Chemistry (Continued)

Analysis Batch: 11254 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-4	Jungle Seep	Total/NA	Water	SM 2320B	
MB 885-11254/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11254/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11254/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 11257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-3	MW-62	Total/NA	Water	SM 4500 CO2 D	
MB 885-11257/2	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11257/3	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11257/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Analysis Batch: 11378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	SM 2320B	
MB 885-11378/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-11378/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11378/26	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-11378/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11378/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 11381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9925-1	MW-11	Total/NA	Water	SM 4500 CO2 D	
MB 885-11381/25	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11381/26	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11381/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9925-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-11
Lab Sample ID: 885-9925-1
Date Collected: 08/14/24 12:15
Matrix: Water
Date Received: 08/15/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10955	JR	EET ALB	08/26/24 19:13
Total/NA	Analysis	8015M/D		5	10662	JP	EET ALB	08/20/24 19:00
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		1	11205	KR	EET ALB	08/28/24 18:47
Total/NA	Analysis	300.0		10	10318	JT	EET ALB	08/15/24 21:00
Total/NA	Analysis	300.0		10	10319	JT	EET ALB	08/15/24 21:00
Total/NA	Analysis	300.0		100	10318	JT	EET ALB	08/15/24 21:16
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 10:22
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 10:25
Dissolved	Analysis	6010B		100	12129	VP	EET ALB	09/12/24 10:27
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 12:58
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 11:34
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11041	BV	EET ALB	08/25/24 12:57
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 12:14
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		20	11282	BV	EET ALB	08/28/24 13:03
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:56
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:54
Total/NA	Analysis	SM 2320B		2.5	11378	DL	EET ALB	08/29/24 17:04
Total/NA	Analysis	SM 4500 CO2 D		2.5	11381	DL	EET ALB	08/29/24 17:04

Client Sample ID: MW-32
Lab Sample ID: 885-9925-2
Date Collected: 08/14/24 13:00
Matrix: Water
Date Received: 08/15/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10955	JR	EET ALB	08/26/24 19:42
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 19:24
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		1	11205	KR	EET ALB	08/28/24 19:11

Client Sample ID: MW-62
Lab Sample ID: 885-9925-3
Date Collected: 08/14/24 14:10
Matrix: Water
Date Received: 08/15/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10955	JR	EET ALB	08/26/24 20:10
Total/NA	Analysis	8015M/D		1	10662	JP	EET ALB	08/20/24 19:48

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-9925-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-62
Lab Sample ID: 885-9925-3
Date Collected: 08/14/24 14:10
Matrix: Water
Date Received: 08/15/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			10508	JM	EET ALB	08/19/24 11:27
Total/NA	Analysis	8015M/D		1	11100	KR	EET ALB	08/28/24 07:20
Total/NA	Analysis	300.0		10	10318	JT	EET ALB	08/15/24 21:31
Total/NA	Analysis	300.0		10	10319	JT	EET ALB	08/15/24 21:31
Total/NA	Analysis	300.0		100	10318	JT	EET ALB	08/15/24 21:46
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 10:38
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 10:40
Dissolved	Analysis	6010B		100	12129	VP	EET ALB	09/12/24 10:42
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:02
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 11:39
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 12:18
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		20	11282	BV	EET ALB	08/28/24 13:56
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		20	12279	BV	EET ALB	09/13/24 15:01
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:01
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 12:59
Total/NA	Analysis	SM 2320B		1	11254	DL	EET ALB	08/28/24 18:30
Total/NA	Analysis	SM 4500 CO2 D		1	11257	DL	EET ALB	08/28/24 18:30

Client Sample ID: Jungle Seep
Lab Sample ID: 885-9925-4
Date Collected: 08/14/24 14:50
Matrix: Water
Date Received: 08/15/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10955	JR	EET ALB	08/26/24 20:39
Total/NA	Analysis	300.0		1	10318	JT	EET ALB	08/15/24 22:01
Total/NA	Analysis	300.0		1	10319	JT	EET ALB	08/15/24 22:01
Total/NA	Analysis	300.0		20	10318	JT	EET ALB	08/15/24 22:16
Total/NA	Analysis	SM 2320B		1	11254	DL	EET ALB	08/28/24 18:52

Client Sample ID: Rinse
Lab Sample ID: 885-9925-5
Date Collected: 08/14/24 15:00
Matrix: Water
Date Received: 08/15/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10955	JR	EET ALB	08/26/24 21:07

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Client Sample ID: Field

Date Collected: 08/14/24 15:10
Date Received: 08/15/24 06:10

Lab Sample ID: 885-9925-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	10955	JR	EET ALB	08/26/24 23:58

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-9925-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene

Accreditation/Certification Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-9925-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)

Accreditation/Certification Summary

Client: Ensolum LLC Job ID: 885-9925-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albequerque
4901 Hawkins NE
Albuquerque NM 87109
Phone: (505) 345-3975

Chain of Custody Record

eurofins | Env Ame

885-9925 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Devin Hencmann	Site Contact: Eric Carroll	Date:	COC No:
Ensolum LLC	Email: dhencmann@ensolum.com	Lab Contact: Andy Freeman	Carrier:	____ of ____ COCs
776 E 2nd Avenue	Tel/Fax: 970-403-6023			TALS Project #:
Durango/CO/81301	Analysis Turnaround Time			Sampler:
(903) 821-5603 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Bloomfield Terminal	☐ 2 weeks			Lab Sampling:
Site: -	☐ 1 week			
P O # 07A2015013	☐ 2 days ☐ 1 day			Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs (EPA Method 8260)	VOCs Target List (Method 8260)	SVOCs (Method 8270)	TPH - DRO/MRO (Method 8015DRO)	TPH- GRO (8015DROLL)	Total Recoverable Metals (6010/7470)	Total Dissolved Metals (6010/7470)	Alkalinity (310.1)	Anions (300.0)	Carbon Dioxide (310.1)	Sample Specific Notes:
MW-11	8-14	12:15	G	GW	10	Y		X			X	X	X	X	X	X	X	1
MW-32	8-14	13:00	G	GW	6	N		X			X	X						2
MW-62	8-14	14:10	G	GW	10	Y		X			X	X	X	X	X	X	X	3
Jungle Seep	8-14	14:50	G	AQ	5	N			X						X	X		4
Rinse	8-14	15:00	G	AQ	3			X										5
Field	8-14	15:10	G	AQ	3			X										6
								2	2	1	1	1	4	4	1	3	1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Level IV
cc: ecarroll@ensolum.com

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: 2.6 Corr'd: 2.9	Therm ID No.: mojo
Relinquished by:	Company: Ensolum	Date/Time: 8-14 1555	Received by:	Company: Eurofins	Date/Time: 8/14/24 1551
Relinquished by:	Company: Eurofins	Date/Time: 8/14/24 1800	Received by:	Company: Courier	Date/Time: 8/15/24 6:10
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-9925-1

Login Number: 9925 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

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JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-10035-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-10035-1

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

HPLC/IC

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-10035-1

Job ID: 885-10035-1 Eurofins Albuquerque

Job Narrative
885-10035-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/16/2024 6:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.9°C and 2.2°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
Method 8260B: Presence of MtBE at method detection level likely due to cross contamination from previous sample analysis with a high level of MtBE.

Upstream (885-10035-3), Upstream North of MW-45 (885-10035-4), Upstream North of MW-46 (885-10035-5), Downstream (885-10035-6) and DUP-E (885-10035-7)

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

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

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

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

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

Metals
Method 6010B - Dissolved: The RL for cations (Ca, K, Mg, Na) is 1ppm, and therefore, the MRL is recovering within the recovery limits.

(MRL 885-12129/14)

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

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

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: TP-9

Date Collected: 08/15/24 09:35
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-1

Matrix: Water

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.053		0.050	0.013	mg/L			08/21/24 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*15 - 270*		*08/21/24 18:02*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.18	ug/L			08/21/24 18:02	1
Ethylbenzene	ND		1.0	0.14	ug/L			08/21/24 18:02	1
Methyl-tert-butyl Ether (MTBE)	ND		2.5	0.43	ug/L			08/21/24 18:02	1
Toluene	ND		1.0	0.21	ug/L			08/21/24 18:02	1
Xylenes, Total	ND		2.0	0.31	ug/L			08/21/24 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*43 - 158*		*08/21/24 18:02*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.14	J	0.19	0.067	mg/L		08/19/24 13:30	08/30/24 11:59	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:30	08/30/24 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*99*		*33 - 159*	*08/19/24 13:30*	*08/30/24 11:59*	*1*

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.014		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 12:36	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: TP-7

Date Collected: 08/15/24 10:10
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-2

Matrix: Water

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*15 - 270*		*08/21/24 19:07*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.18	ug/L			08/21/24 19:07	1
Ethylbenzene	ND		1.0	0.14	ug/L			08/21/24 19:07	1
Methyl-tert-butyl Ether (MTBE)	ND		2.5	0.43	ug/L			08/21/24 19:07	1
Toluene	ND		1.0	0.21	ug/L			08/21/24 19:07	1
Xylenes, Total	ND		2.0	0.31	ug/L			08/21/24 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*43 - 158*		*08/21/24 19:07*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.12**	**J**	0.19	0.067	mg/L		08/19/24 13:30	08/30/24 12:47	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:30	08/30/24 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*33 - 159*	*08/19/24 13:30*	*08/30/24 12:47*	*1*

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.0041**	**J**	0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 12:50	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Upstream

Date Collected: 08/15/24 12:15
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 18:44	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 18:44	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 18:44	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 18:44	1
Methyl-tert-butyl Ether (MTBE)	**0.69**	**J**	1.0	0.39	ug/L			08/27/24 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*08/27/24 18:44*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/27/24 18:44*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*08/27/24 18:44*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/27/24 18:44*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*15 - 270*		*08/21/24 19:29*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/19/24 13:30	08/30/24 13:10	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:30	08/30/24 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*107*		*33 - 159*	*08/19/24 13:30*	*08/30/24 13:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.50	0.25	mg/L			08/16/24 21:22	5
Nitrate	ND		0.50	0.10	mg/L			08/16/24 21:22	5
Chloride	**3.1**		2.5	1.3	mg/L			08/16/24 21:22	5
Nitrite	ND		0.50	0.058	mg/L			08/16/24 21:22	5
Orthophosphate as P	ND		2.5	1.3	mg/L			08/16/24 21:22	5
Sulfate	**34**		2.5	1.3	mg/L			08/16/24 21:22	5
Fluoride	ND		0.50	0.23	mg/L			08/16/24 21:22	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**29**		1.0	0.089	mg/L			09/12/24 10:45	1
Iron	**0.70**		0.020	0.017	mg/L			09/12/24 10:45	1
Magnesium	**5.3**		1.0	0.098	mg/L			09/12/24 10:45	1
Manganese	**0.026**		0.0020	0.00032	mg/L			09/12/24 10:45	1
Potassium	**2.4**		1.0	0.13	mg/L			09/12/24 10:45	1
Sodium	**15**		1.0	0.30	mg/L			09/12/24 10:45	1
Zinc	**0.066**		0.020	0.0049	mg/L			09/12/24 10:45	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:03	5
Barium	**0.12**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:03	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Upstream

Date Collected: 08/15/24 12:15
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-3
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:03	5
Chromium	**0.0065**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:03	5
Lead	**0.095**		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 13:03	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 09:28	08/27/24 13:38	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:03	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:06	20
Barium	**0.084**		0.020	0.010	mg/L			09/06/24 13:06	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:06	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:06	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:06	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:06	20
Silver	ND		0.020	0.010	mg/L			09/16/24 11:59	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:06	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:06	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:09	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**81**		20	20	mg/L			08/29/24 14:38	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**81**		20	20	mg/L			08/29/24 14:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/29/24 14:38	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Upstream North of MW-45

Lab Sample ID: 885-10035-4

Date Collected: 08/15/24 12:50
Matrix: Water
Date Received: 08/16/24 06:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 19:12	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 19:12	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 19:12	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 19:12	1
Methyl-tert-butyl Ether (MTBE)	**0.55**	**J**	1.0	0.39	ug/L			08/27/24 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*08/27/24 19:12*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/27/24 19:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*08/27/24 19:12*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*08/27/24 19:12*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*15 - 270*		*08/21/24 19:51*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/19/24 13:30	08/30/24 13:34	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:30	08/30/24 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*33 - 159*	*08/19/24 13:30*	*08/30/24 13:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.50	0.25	mg/L			08/16/24 21:52	5
Nitrate	ND		0.50	0.10	mg/L			08/16/24 21:52	5
Chloride	**3.0**		2.5	1.3	mg/L			08/16/24 21:52	5
Nitrite	ND		0.50	0.058	mg/L			08/16/24 21:52	5
Orthophosphate as P	ND		2.5	1.3	mg/L			08/16/24 21:52	5
Sulfate	**34**		2.5	1.3	mg/L			08/16/24 21:52	5
Fluoride	ND		0.50	0.23	mg/L			08/16/24 21:52	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**30**		1.0	0.089	mg/L			09/12/24 10:53	1
Iron	**0.41**		0.020	0.017	mg/L			09/12/24 10:53	1
Magnesium	**5.4**		1.0	0.098	mg/L			09/12/24 10:53	1
Manganese	**0.026**		0.0020	0.00032	mg/L			09/12/24 10:53	1
Potassium	**2.3**		1.0	0.13	mg/L			09/12/24 10:53	1
Sodium	**15**		1.0	0.30	mg/L			09/12/24 10:53	1
Zinc	**0.057**		0.020	0.0049	mg/L			09/12/24 10:53	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:08	5
Barium	**0.12**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:08	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Upstream North of MW-45

Lab Sample ID: 885-10035-4

Date Collected: 08/15/24 12:50
Matrix: Water
Date Received: 08/16/24 06:10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:08	5
Chromium	**0.0067**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:08	5
Lead	**0.035**		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 13:08	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 09:28	08/27/24 13:52	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:08	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:11	20
Barium	**0.080**		0.020	0.010	mg/L			09/06/24 13:11	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:11	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:11	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:11	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:11	20
Silver	ND		0.020	0.010	mg/L			09/16/24 12:04	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:11	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:11	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:18	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**82**		20	20	mg/L			08/29/24 14:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**82**		20	20	mg/L			08/29/24 14:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/29/24 14:46	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Upstream North of MW-46

Lab Sample ID: 885-10035-5

Date Collected: 08/15/24 13:25
Matrix: Water
Date Received: 08/16/24 06:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 19:41	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 19:41	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 19:41	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 19:41	1
Methyl-tert-butyl Ether (MTBE)	**0.48**	**J**	1.0	0.39	ug/L			08/27/24 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*08/27/24 19:41*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/27/24 19:41*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*08/27/24 19:41*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*08/27/24 19:41*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*15 - 270*		*08/21/24 20:13*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.087**	**J**	0.19	0.067	mg/L		08/19/24 13:30	08/30/24 13:58	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:30	08/30/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*33 - 159*	*08/19/24 13:30*	*08/30/24 13:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.50	0.25	mg/L			08/16/24 22:22	5
Nitrate	ND		0.50	0.10	mg/L			08/16/24 22:22	5
Chloride	**2.9**		2.5	1.3	mg/L			08/16/24 22:22	5
Nitrite	ND		0.50	0.058	mg/L			08/16/24 22:22	5
Orthophosphate as P	ND		2.5	1.3	mg/L			08/16/24 22:22	5
Sulfate	**34**		2.5	1.3	mg/L			08/16/24 22:22	5
Fluoride	ND		0.50	0.23	mg/L			08/16/24 22:22	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**28**	**J**	100	8.9	mg/L			09/12/24 11:13	100
Iron	ND		2.0	1.7	mg/L			09/12/24 11:13	100
Magnesium	ND		100	9.8	mg/L			09/12/24 11:13	100
Manganese	**0.054**	**J**	0.20	0.032	mg/L			09/12/24 11:13	100
Potassium	**2.4**		1.0	0.13	mg/L			09/12/24 11:08	1
Sodium	**15**		1.0	0.30	mg/L			09/12/24 11:08	1
Zinc	ND		2.0	0.49	mg/L			09/12/24 11:13	100

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0029**	**J**	0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:12	5
Barium	**0.13**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:12	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Upstream North of MW-46

Lab Sample ID: 885-10035-5

Date Collected: 08/15/24 13:25
Matrix: Water
Date Received: 08/16/24 06:10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:12	5
Chromium	**0.0076**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:12	5
Lead	**0.013**		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 13:12	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 09:28	08/27/24 13:56	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:12	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:15	20
Barium	**0.085**		0.020	0.010	mg/L			09/06/24 13:15	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:15	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:15	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:15	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:15	20
Silver	ND		0.020	0.010	mg/L			09/16/24 12:08	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:15	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:15	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:23	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**81**		20	20	mg/L			08/29/24 14:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**81**		20	20	mg/L			08/29/24 14:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/29/24 14:53	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Downstream

Date Collected: 08/15/24 14:00
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 20:09	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 20:09	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 20:09	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 20:09	1
Methyl-tert-butyl Ether (MTBE)	**0.42**	**J**	1.0	0.39	ug/L			08/27/24 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*08/27/24 20:09*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/27/24 20:09*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/27/24 20:09*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*08/27/24 20:09*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*15 - 270*		*08/21/24 20:35*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.094**	**J**	0.19	0.067	mg/L		08/19/24 13:30	08/30/24 14:22	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:30	08/30/24 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*33 - 159*	*08/19/24 13:30*	*08/30/24 14:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.50	0.25	mg/L			08/16/24 23:23	5
Nitrate	**0.12**	**J**	0.50	0.10	mg/L			08/16/24 23:23	5
Chloride	**3.2**		2.5	1.3	mg/L			08/16/24 23:23	5
Nitrite	ND		0.50	0.058	mg/L			08/16/24 23:23	5
Orthophosphate as P	ND		2.5	1.3	mg/L			08/16/24 23:23	5
Sulfate	**35**		2.5	1.3	mg/L			08/16/24 23:23	5
Fluoride	ND		0.50	0.23	mg/L			08/16/24 23:23	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**29**	**J**	100	8.9	mg/L			09/12/24 11:22	100
Iron	ND		2.0	1.7	mg/L			09/12/24 11:22	100
Magnesium	ND		100	9.8	mg/L			09/12/24 11:22	100
Manganese	**0.053**	**J**	0.20	0.032	mg/L			09/12/24 11:22	100
Potassium	**2.2**		1.0	0.13	mg/L			09/12/24 11:17	1
Sodium	**15**		1.0	0.30	mg/L			09/12/24 11:17	1
Zinc	ND		2.0	0.49	mg/L			09/12/24 11:22	100

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:17	5
Barium	**0.14**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:17	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Downstream

Lab Sample ID: 885-10035-6

Date Collected: 08/15/24 14:00
Matrix: Water
Date Received: 08/16/24 06:10

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:17	5
Chromium	**0.0076**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:17	5
Lead	**0.013**		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 13:17	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 09:28	08/27/24 14:01	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:17	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:20	20
Barium	**0.085**		0.020	0.010	mg/L			09/06/24 13:20	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:20	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:20	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:20	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:20	20
Silver	ND		0.020	0.010	mg/L			09/16/24 12:13	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:20	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:20	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:28	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**82**		20	20	mg/L			08/29/24 15:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**82**		20	20	mg/L			08/29/24 15:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/29/24 15:01	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: DUP-E

Date Collected: 08/15/24 13:25
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 20:38	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 20:38	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 20:38	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 20:38	1
Methyl-tert-butyl Ether (MTBE)	**0.40**	**J**	1.0	0.39	ug/L			08/27/24 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*08/27/24 20:38*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/27/24 20:38*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*08/27/24 20:38*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*08/27/24 20:38*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*15 - 270*		*08/21/24 20:57*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.072**	**J**	0.19	0.067	mg/L		08/19/24 13:36	08/30/24 14:45	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:36	08/30/24 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*33 - 159*	*08/19/24 13:36*	*08/30/24 14:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.50	0.25	mg/L			08/17/24 00:23	5
Nitrate	**0.10**	**J**	0.50	0.10	mg/L			08/17/24 00:23	5
Chloride	**3.6**		2.5	1.3	mg/L			08/17/24 00:23	5
Nitrite	ND		0.50	0.058	mg/L			08/17/24 00:23	5
Orthophosphate as P	ND		2.5	1.3	mg/L			08/17/24 00:23	5
Sulfate	**34**		2.5	1.3	mg/L			08/17/24 00:23	5
Fluoride	ND		0.50	0.23	mg/L			08/17/24 00:23	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**29**	**J**	100	8.9	mg/L			09/12/24 11:28	100
Iron	ND		2.0	1.7	mg/L			09/12/24 11:28	100
Magnesium	ND		100	9.8	mg/L			09/12/24 11:28	100
Manganese	**0.074**	**J**	0.20	0.032	mg/L			09/12/24 11:28	100
Potassium	**2.2**		1.0	0.13	mg/L			09/12/24 11:24	1
Sodium	**15**		1.0	0.30	mg/L			09/12/24 11:24	1
Zinc	ND		2.0	0.49	mg/L			09/12/24 11:28	100

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0027**	**J**	0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:21	5
Barium	**0.14**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:21	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: DUP-E

Date Collected: 08/15/24 13:25
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-7
Matrix: Water

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:21	5
Chromium	**0.0080**		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:21	5
Lead	**0.030**		0.0050	0.0030	mg/L		08/22/24 09:28	08/26/24 13:21	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 09:28	08/27/24 14:05	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 09:28	08/26/24 13:21	5

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:27	20
Barium	**0.095**		0.020	0.010	mg/L			09/06/24 13:27	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:27	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:27	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:27	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:27	20
Silver	ND		0.020	0.010	mg/L			09/16/24 12:17	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:27	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:27	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:38	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**82**		20	20	mg/L			08/29/24 15:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**82**		20	20	mg/L			08/29/24 15:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			08/29/24 15:08	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Trip Blank

Date Collected: 08/15/24 14:50
Date Received: 08/16/24 06:10

Lab Sample ID: 885-10035-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 23:29	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 23:29	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 23:29	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 23:29	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/27/24 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*08/27/24 23:29*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/27/24 23:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/27/24 23:29*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*08/27/24 23:29*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-11062/29
Matrix: Water
Analysis Batch: 11062

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 23:01	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 23:01	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 23:01	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 23:01	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/27/24 23:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*08/27/24 23:01*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/27/24 23:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*08/27/24 23:01*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*08/27/24 23:01*	*1*

Lab Sample ID: MB 885-11062/4
Matrix: Water
Analysis Batch: 11062

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.23	ug/L			08/27/24 10:38	1
Ethylbenzene	ND		1.0	0.21	ug/L			08/27/24 10:38	1
Toluene	ND		1.0	0.25	ug/L			08/27/24 10:38	1
Xylenes, Total	ND		1.5	0.37	ug/L			08/27/24 10:38	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			08/27/24 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*08/27/24 10:38*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/27/24 10:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*08/27/24 10:38*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*08/27/24 10:38*	*1*

Lab Sample ID: LCS 885-11062/28
Matrix: Water
Analysis Batch: 11062

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.1	19.5		ug/L		97	70 - 130		
Toluene			20.2	20.5		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

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

Lab Sample ID: LCS 885-11062/3
Matrix: Water
Analysis Batch: 11062

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.1	19.7		ug/L		98	70 - 130		
Toluene			20.2	21.4		ug/L		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10754/3
Matrix: Water
Analysis Batch: 10754

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/21/24 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*15 - 270*		*08/21/24 15:50*	*1*

Lab Sample ID: LCS 885-10754/2
Matrix: Water
Analysis Batch: 10754

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			0.500	0.521		mg/L		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*226*		*15 - 270*

Lab Sample ID: 885-10035-1 MS
Matrix: Water
Analysis Batch: 10754

Client Sample ID: TP-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	0.053		0.500	0.567		mg/L		103	41 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*231*		*15 - 270*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-10035-1 MSD
Matrix: Water
Analysis Batch: 10754

Client Sample ID: TP-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	0.053		0.500	0.522		mg/L		94	41 - 148	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*215*		*15 - 270*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-10755/3
Matrix: Water
Analysis Batch: 10755

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.18	ug/L			08/21/24 15:50	1
Ethylbenzene	ND		1.0	0.14	ug/L			08/21/24 15:50	1
Methyl-tert-butyl Ether (MTBE)	ND		2.5	0.43	ug/L			08/21/24 15:50	1
Toluene	ND		1.0	0.21	ug/L			08/21/24 15:50	1
Xylenes, Total	ND		2.0	0.31	ug/L			08/21/24 15:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*43 - 158*		*08/21/24 15:50*	*1*

Lab Sample ID: LCS 885-10755/2
Matrix: Water
Analysis Batch: 10755

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.1		ug/L		101	70 - 130		
Ethylbenzene			20.0	21.0		ug/L		105	70 - 130		
Methyl-tert-butyl Ether (MTBE)			20.0	21.5		ug/L		108	70 - 130		
Toluene			20.0	20.6		ug/L		103	70 - 130		
Xylenes, Total			60.0	62.9		ug/L		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*43 - 158*

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-10518/1-A
Matrix: Water
Analysis Batch: 11383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/19/24 13:30	08/30/24 10:48	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/19/24 13:30	08/30/24 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*33 - 159*	*08/19/24 13:30*	*08/30/24 10:48*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: LCS 885-10518/2-A
Matrix: Water
Analysis Batch: 11383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10518

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			0.188	0.197		mg/L		105	33 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*100*		*33 - 159*

Lab Sample ID: LCSD 885-10518/3-A
Matrix: Water
Analysis Batch: 11383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10518

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	0.170	J	mg/L		91	33 - 149	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*101*		*33 - 159*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10384/4
Matrix: Water
Analysis Batch: 10384

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/16/24 13:54	1
Chloride	ND		0.50	0.25	mg/L			08/16/24 13:54	1
Sulfate	ND		0.50	0.25	mg/L			08/16/24 13:54	1
Fluoride	ND		0.10	0.046	mg/L			08/16/24 13:54	1

Lab Sample ID: LCS 885-10384/5
Matrix: Water
Analysis Batch: 10384

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			2.50	2.31		mg/L		92	90 - 110		
Chloride			5.00	4.69		mg/L		94	90 - 110		
Sulfate			10.0	9.28		mg/L		93	90 - 110		
Fluoride			0.500	0.484		mg/L		97	90 - 110		

Lab Sample ID: MRL 885-10384/3
Matrix: Water
Analysis Batch: 10384

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			0.100	0.0832	J	mg/L		83	50 - 150		
Chloride			0.500	0.509		mg/L		102	50 - 150		
Sulfate			0.500	0.527		mg/L		105	50 - 150		
Fluoride			0.100	0.106		mg/L		106	50 - 150		

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-10035-6 MS
Matrix: Water
Analysis Batch: 10384

Client Sample ID: Downstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	ND		12.5	11.4		mg/L		92	80 - 120
Chloride	3.2		25.0	26.2		mg/L		92	80 - 120
Sulfate	35		50.0	82.4		mg/L		95	80 - 120
Fluoride	ND		2.50	2.52		mg/L		101	70 - 130

Lab Sample ID: 885-10035-6 MSD
Matrix: Water
Analysis Batch: 10384

Client Sample ID: Downstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	ND		12.5	11.5		mg/L		92	80 - 120	0	20
Chloride	3.2		25.0	26.3		mg/L		92	80 - 120	0	20
Sulfate	35		50.0	82.5		mg/L		95	80 - 120	0	20
Fluoride	ND		2.50	2.40		mg/L		96	70 - 130	5	20

Lab Sample ID: MB 885-10385/4
Matrix: Water
Analysis Batch: 10385

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			08/16/24 13:54	1
Nitrite	ND		0.10	0.012	mg/L			08/16/24 13:54	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/16/24 13:54	1

Lab Sample ID: LCS 885-10385/5
Matrix: Water
Analysis Batch: 10385

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.51		mg/L		100	90 - 110
Nitrite	1.00	0.923		mg/L		92	90 - 110
Orthophosphate as P	5.00	4.75		mg/L		95	90 - 110

Lab Sample ID: MRL 885-10385/3
Matrix: Water
Analysis Batch: 10385

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.0938	J	mg/L		94	50 - 150
Nitrite	0.0999	0.0837	J	mg/L		84	50 - 150
Orthophosphate as P	0.500	0.535		mg/L		107	50 - 150

Lab Sample ID: 885-10035-6 MS
Matrix: Water
Analysis Batch: 10385

Client Sample ID: Downstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.12	J	12.5	12.5		mg/L		99	80 - 120
Nitrite	ND		5.00	4.57		mg/L		91	80 - 120
Orthophosphate as P	ND		25.0	24.0		mg/L		96	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-10035-6 MSD
Matrix: Water
Analysis Batch: 10385

Client Sample ID: Downstream
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	0.12	J	12.5	12.6		mg/L		100	80 - 120	1	20
Nitrite	ND		5.00	4.58		mg/L		92	80 - 120	0	20
Orthophosphate as P	ND		25.0	25.0		mg/L		100	80 - 120	4	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-12129/81
Matrix: Water
Analysis Batch: 12129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/12/24 09:40	1
Iron	ND		0.020	0.017	mg/L			09/12/24 09:40	1
Magnesium	ND		1.0	0.098	mg/L			09/12/24 09:40	1
Manganese	ND		0.0020	0.00032	mg/L			09/12/24 09:40	1
Potassium	0.422	J	1.0	0.13	mg/L			09/12/24 09:40	1
Sodium	0.892	J	1.0	0.30	mg/L			09/12/24 09:40	1
Zinc	ND		0.020	0.0049	mg/L			09/12/24 09:40	1

Lab Sample ID: LCS 885-12129/83
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.4		mg/L		101	80 - 120
Iron	0.500	0.460		mg/L		92	80 - 120
Magnesium	50.0	50.9		mg/L		102	80 - 120
Manganese	0.500	0.439		mg/L		88	80 - 120
Potassium	50.0	49.9		mg/L		100	80 - 120
Sodium	50.0	47.6		mg/L		95	80 - 120
Zinc	0.500	0.456		mg/L		91	80 - 120

Lab Sample ID: LCSD 885-12129/84
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	49.2		mg/L		98	80 - 120	2	20
Iron	0.500	0.474		mg/L		95	80 - 120	3	20
Magnesium	50.0	50.1		mg/L		100	80 - 120	2	20
Manganese	0.500	0.460		mg/L		92	80 - 120	5	20
Potassium	50.0	49.3		mg/L		99	80 - 120	1	20
Sodium	50.0	49.5		mg/L		99	80 - 120	4	20
Zinc	0.500	0.479		mg/L		96	80 - 120	5	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

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

Lab Sample ID: MRL 885-12129/14
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.498	J	mg/L		100	50 - 150
Iron	0.0200	ND		mg/L		98	50 - 150
Magnesium	0.500	0.534	J	mg/L		107	50 - 150
Manganese	0.00200	0.00198	J	mg/L		99	50 - 150
Potassium	0.500	0.761	J	mg/L		152	50 - 150
Sodium	0.500	1.03		mg/L		206	50 - 150
Zinc	0.0100	0.00933	J	mg/L		93	50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-11095/14
Matrix: Water
Analysis Batch: 11095

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00114		mg/L		114	70 - 130
Barium	0.00100	0.00110		mg/L		110	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.000979	J	mg/L		98	70 - 130
Lead	0.00100	0.000995	J	mg/L		100	70 - 130
Silver	0.00100	0.00129		mg/L		129	70 - 130

Lab Sample ID: MRL 885-11165/9
Matrix: Water
Analysis Batch: 11165

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000935	J	mg/L		94	70 - 130
Barium	0.00100	0.000997	J	mg/L		100	70 - 130
Cadmium	0.00100	0.00107		mg/L		107	70 - 130
Chromium	0.00100	0.00100		mg/L		100	70 - 130
Lead	0.00100	0.00112		mg/L		112	70 - 130
Selenium	0.00100	0.00115		mg/L		115	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130

Lab Sample ID: MB 885-11856/18
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 10:11	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-11856/27
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0498		mg/L		100	80 - 120
Barium	0.0500	0.0514		mg/L		103	80 - 120
Cadmium	0.0500	0.0510		mg/L		102	80 - 120
Chromium	0.0500	0.0495		mg/L		99	80 - 120
Lead	0.0500	0.0523		mg/L		105	80 - 120
Selenium	0.0500	0.0496		mg/L		99	80 - 120
Silver	0.0250	0.0253		mg/L		101	80 - 120
Copper	0.0500	0.0504		mg/L		101	80 - 120
Uranium	0.0500	0.0531		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-11856/28
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0500		mg/L		100	80 - 120	0	20
Barium	0.0500	0.0520		mg/L		104	80 - 120	1	20
Cadmium	0.0500	0.0519		mg/L		104	80 - 120	2	20
Chromium	0.0500	0.0490		mg/L		98	80 - 120	1	20
Lead	0.0500	0.0531		mg/L		106	80 - 120	1	20
Selenium	0.0500	0.0507		mg/L		101	80 - 120	2	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Copper	0.0500	0.0508		mg/L		102	80 - 120	1	20
Uranium	0.0500	0.0537		mg/L		107	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000999	J	mg/L		100	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000858	J	mg/L		86	70 - 130
Chromium	0.00100	0.00107		mg/L		107	70 - 130
Lead	0.00100	0.00113		mg/L		113	70 - 130
Selenium	0.00100	0.00118		mg/L		118	70 - 130
Silver	0.00100	0.00125		mg/L		125	70 - 130
Copper	0.00100	0.00101		mg/L		101	70 - 130
Uranium	0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MB 885-12341/14
Matrix: Water
Analysis Batch: 12341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Barium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Cadmium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Chromium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-12341/14
Matrix: Water
Analysis Batch: 12341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Selenium	ND		0.0010	0.00080	mg/L			09/16/24 11:03	1
Silver	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Copper	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1

Lab Sample ID: LCS 885-12341/23
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0507		mg/L		101	80 - 120
Barium	0.0500	0.0483		mg/L		97	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Chromium	0.0500	0.0502		mg/L		100	80 - 120
Lead	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0498		mg/L		100	80 - 120
Silver	0.0250	0.0251		mg/L		101	80 - 120
Copper	0.0500	0.0504		mg/L		101	80 - 120

Lab Sample ID: LCSD 885-12341/18
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0515		mg/L		103	80 - 120	2	20
Barium	0.0500	0.0501		mg/L		100	80 - 120	4	20
Cadmium	0.0500	0.0489		mg/L		98	80 - 120	2	20
Chromium	0.0500	0.0517		mg/L		103	80 - 120	3	20
Lead	0.0500	0.0507		mg/L		101	80 - 120	2	20
Selenium	0.0500	0.0516		mg/L		103	80 - 120	4	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Copper	0.0500	0.0510		mg/L		102	80 - 120	1	20

Lab Sample ID: MRL 885-12341/9
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00109		mg/L		109	70 - 130
Barium	0.00100	0.00100		mg/L		100	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.00110		mg/L		110	70 - 130
Lead	0.00100	0.00102		mg/L		102	70 - 130
Selenium	0.00100	0.00111		mg/L		111	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130
Copper	0.00100	0.00105		mg/L		105	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-10758/1-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Barium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Cadmium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Chromium	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5
Lead	ND		0.0050	0.0030	mg/L		08/22/24 08:50	08/23/24 11:20	5
Selenium	ND		0.0050	0.0040	mg/L		08/22/24 08:50	08/23/24 11:20	5
Silver	ND		0.0050	0.0025	mg/L		08/22/24 08:50	08/23/24 11:20	5

Lab Sample ID: LCS 885-10758/3-A
Matrix: Water
Analysis Batch: 10939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0546		mg/L		109	80 - 120
Barium	0.0500	0.0491		mg/L		98	80 - 120
Cadmium	0.0500	0.0560		mg/L		112	80 - 120
Chromium	0.0500	0.0512		mg/L		102	80 - 120
Lead	0.0500	0.0529		mg/L		106	80 - 120
Selenium	0.0500	0.0470		mg/L		94	80 - 120
Silver	0.0250	0.0250		mg/L		100	80 - 120

Lab Sample ID: 885-10035-1 MS
Matrix: Water
Analysis Batch: 11095

Client Sample ID: TP-9
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.017		0.0500	0.0696		mg/L		106	75 - 125
Cadmium	ND		0.0500	0.0530		mg/L		106	75 - 125
Chromium	0.016		0.0500	0.0637		mg/L		95	75 - 125
Lead	0.014		0.0500	0.0665		mg/L		106	75 - 125
Silver	ND		0.0250	0.0255		mg/L		102	75 - 125

Lab Sample ID: 885-10035-1 MS
Matrix: Water
Analysis Batch: 11165

Client Sample ID: TP-9
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	ND		0.0500	0.0505		mg/L		101	75 - 125

Lab Sample ID: 885-10035-1 MSD
Matrix: Water
Analysis Batch: 11095

Client Sample ID: TP-9
Prep Type: Total Recoverable
Prep Batch: 10758

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.017		0.0500	0.0678		mg/L		102	75 - 125	3	20
Cadmium	ND		0.0500	0.0519		mg/L		104	75 - 125	2	20
Chromium	0.016		0.0500	0.0666		mg/L		101	75 - 125	4	20
Lead	0.014		0.0500	0.0657		mg/L		104	75 - 125	1	20
Silver	ND		0.0250	0.0259		mg/L		104	75 - 125	2	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 885-10035-1 MSD — **Client Sample ID: TP-9**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 11165 — **Prep Batch: 10758**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	ND		0.0500	0.0480		mg/L		96	75 - 125	5	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-10513/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10513**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000148	J	mg/L		98	50 - 150

Lab Sample ID: MB 885-10521/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10521**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/19/24 13:33	08/21/24 10:26	1

Lab Sample ID: LCS 885-10521/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10521**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00517		mg/L		103	85 - 115

Lab Sample ID: LLCS 885-10521/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10521**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000204		mg/L		136	50 - 150

Lab Sample ID: 885-10035-3 MS — **Client Sample ID: Upstream**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10521**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00500	0.00517		mg/L		103	75 - 125

Lab Sample ID: 885-10035-3 MSD — **Client Sample ID: Upstream**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 10795 — **Prep Batch: 10521**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00532		mg/L		106	75 - 125	3	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-11378/2
Matrix: Water
Analysis Batch: 11378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			08/29/24 11:29	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			08/29/24 11:29	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			08/29/24 11:29	1

Lab Sample ID: LCS 885-11378/3
Matrix: Water
Analysis Batch: 11378

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	84.0		mg/L		99	90 - 110

Lab Sample ID: MRL 885-11378/1
Matrix: Water
Analysis Batch: 11378

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.2		mg/L		109	50 - 150

QC Association Summary

Client: Ensolum LLC Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

GC/MS VOA

Analysis Batch: 11062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Total/NA	Water	8260B	
885-10035-4	Upstream North of MW-45	Total/NA	Water	8260B	
885-10035-5	Upstream North of MW-46	Total/NA	Water	8260B	
885-10035-6	Downstream	Total/NA	Water	8260B	
885-10035-7	DUP-E	Total/NA	Water	8260B	
885-10035-8	Trip Blank	Total/NA	Water	8260B	
MB 885-11062/29	Method Blank	Total/NA	Water	8260B	
MB 885-11062/4	Method Blank	Total/NA	Water	8260B	
LCS 885-11062/28	Lab Control Sample	Total/NA	Water	8260B	
LCS 885-11062/3	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 10754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-1	TP-9	Total/NA	Water	8015M/D	
885-10035-2	TP-7	Total/NA	Water	8015M/D	
885-10035-3	Upstream	Total/NA	Water	8015M/D	
885-10035-4	Upstream North of MW-45	Total/NA	Water	8015M/D	
885-10035-5	Upstream North of MW-46	Total/NA	Water	8015M/D	
885-10035-6	Downstream	Total/NA	Water	8015M/D	
885-10035-7	DUP-E	Total/NA	Water	8015M/D	
MB 885-10754/3	Method Blank	Total/NA	Water	8015M/D	
LCS 885-10754/2	Lab Control Sample	Total/NA	Water	8015M/D	
885-10035-1 MS	TP-9	Total/NA	Water	8015M/D	
885-10035-1 MSD	TP-9	Total/NA	Water	8015M/D	

Analysis Batch: 10755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-1	TP-9	Total/NA	Water	8021B	
885-10035-2	TP-7	Total/NA	Water	8021B	
MB 885-10755/3	Method Blank	Total/NA	Water	8021B	
LCS 885-10755/2	Lab Control Sample	Total/NA	Water	8021B	

GC Semi VOA

Prep Batch: 10518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-1	TP-9	Total/NA	Water	3510C	
885-10035-2	TP-7	Total/NA	Water	3510C	
885-10035-3	Upstream	Total/NA	Water	3510C	
885-10035-4	Upstream North of MW-45	Total/NA	Water	3510C	
885-10035-5	Upstream North of MW-46	Total/NA	Water	3510C	
885-10035-6	Downstream	Total/NA	Water	3510C	
885-10035-7	DUP-E	Total/NA	Water	3510C	
MB 885-10518/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-10518/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-10518/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 11383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-1	TP-9	Total/NA	Water	8015M/D	10518

QC Association Summary

Client: Ensolum LLC Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

GC Semi VOA (Continued)

Analysis Batch: 11383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-2	TP-7	Total/NA	Water	8015M/D	10518
885-10035-3	Upstream	Total/NA	Water	8015M/D	10518
885-10035-4	Upstream North of MW-45	Total/NA	Water	8015M/D	10518
885-10035-5	Upstream North of MW-46	Total/NA	Water	8015M/D	10518
885-10035-6	Downstream	Total/NA	Water	8015M/D	10518
885-10035-7	DUP-E	Total/NA	Water	8015M/D	10518
MB 885-10518/1-A	Method Blank	Total/NA	Water	8015M/D	10518
LCS 885-10518/2-A	Lab Control Sample	Total/NA	Water	8015M/D	10518
LCSD 885-10518/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	10518

HPLC/IC

Analysis Batch: 10384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Total/NA	Water	300.0	
885-10035-4	Upstream North of MW-45	Total/NA	Water	300.0	
885-10035-5	Upstream North of MW-46	Total/NA	Water	300.0	
885-10035-6	Downstream	Total/NA	Water	300.0	
885-10035-7	DUP-E	Total/NA	Water	300.0	
MB 885-10384/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10384/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10384/3	Lab Control Sample	Total/NA	Water	300.0	
885-10035-6 MS	Downstream	Total/NA	Water	300.0	
885-10035-6 MSD	Downstream	Total/NA	Water	300.0	

Analysis Batch: 10385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Total/NA	Water	300.0	
885-10035-4	Upstream North of MW-45	Total/NA	Water	300.0	
885-10035-5	Upstream North of MW-46	Total/NA	Water	300.0	
885-10035-6	Downstream	Total/NA	Water	300.0	
885-10035-7	DUP-E	Total/NA	Water	300.0	
MB 885-10385/4	Method Blank	Total/NA	Water	300.0	
LCS 885-10385/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-10385/3	Lab Control Sample	Total/NA	Water	300.0	
885-10035-6 MS	Downstream	Total/NA	Water	300.0	
885-10035-6 MSD	Downstream	Total/NA	Water	300.0	

Metals

Prep Batch: 10513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 10521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Dissolved	Water	7470A	
885-10035-3	Upstream	Total/NA	Water	7470A	
885-10035-4	Upstream North of MW-45	Dissolved	Water	7470A	
885-10035-4	Upstream North of MW-45	Total/NA	Water	7470A	
885-10035-5	Upstream North of MW-46	Dissolved	Water	7470A	
885-10035-5	Upstream North of MW-46	Total/NA	Water	7470A	

QC Association Summary

Client: Ensolum LLC Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

Metals (Continued)

Prep Batch: 10521 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-6	Downstream	Dissolved	Water	7470A	
885-10035-6	Downstream	Total/NA	Water	7470A	
885-10035-7	DUP-E	Dissolved	Water	7470A	
885-10035-7	DUP-E	Total/NA	Water	7470A	
MB 885-10521/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-10521/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-10521/2-A	Lab Control Sample	Total/NA	Water	7470A	
885-10035-3 MS	Upstream	Total/NA	Water	7470A	
885-10035-3 MSD	Upstream	Total/NA	Water	7470A	

Prep Batch: 10758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-1	TP-9	Total Recoverable	Water	3005A	
885-10035-2	TP-7	Total Recoverable	Water	3005A	
885-10035-3	Upstream	Total Recoverable	Water	3005A	
885-10035-4	Upstream North of MW-45	Total Recoverable	Water	3005A	
885-10035-5	Upstream North of MW-46	Total Recoverable	Water	3005A	
885-10035-6	Downstream	Total Recoverable	Water	3005A	
885-10035-7	DUP-E	Total Recoverable	Water	3005A	
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
885-10035-1 MS	TP-9	Total Recoverable	Water	3005A	
885-10035-1 MSD	TP-9	Total Recoverable	Water	3005A	

Analysis Batch: 10795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Dissolved	Water	7470A	10521
885-10035-3	Upstream	Total/NA	Water	7470A	10521
885-10035-4	Upstream North of MW-45	Dissolved	Water	7470A	10521
885-10035-4	Upstream North of MW-45	Total/NA	Water	7470A	10521
885-10035-5	Upstream North of MW-46	Dissolved	Water	7470A	10521
885-10035-5	Upstream North of MW-46	Total/NA	Water	7470A	10521
885-10035-6	Downstream	Dissolved	Water	7470A	10521
885-10035-6	Downstream	Total/NA	Water	7470A	10521
885-10035-7	DUP-E	Dissolved	Water	7470A	10521
885-10035-7	DUP-E	Total/NA	Water	7470A	10521
MB 885-10521/1-A	Method Blank	Total/NA	Water	7470A	10521
LCS 885-10521/3-A	Lab Control Sample	Total/NA	Water	7470A	10521
LLCS 885-10521/2-A	Lab Control Sample	Total/NA	Water	7470A	10521
MRL 885-10513/9-A	Lab Control Sample	Total/NA	Water	7470A	10513
885-10035-3 MS	Upstream	Total/NA	Water	7470A	10521
885-10035-3 MSD	Upstream	Total/NA	Water	7470A	10521

Analysis Batch: 10939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10758/1-A	Method Blank	Total Recoverable	Water	6020A	10758
LCS 885-10758/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10758

Analysis Batch: 11095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-1	TP-9	Total Recoverable	Water	6020A	10758

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Metals (Continued)

Analysis Batch: 11095 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-2	TP-7	Total Recoverable	Water	6020A	10758
885-10035-3	Upstream	Total Recoverable	Water	6020A	10758
885-10035-4	Upstream North of MW-45	Total Recoverable	Water	6020A	10758
885-10035-5	Upstream North of MW-46	Total Recoverable	Water	6020A	10758
885-10035-6	Downstream	Total Recoverable	Water	6020A	10758
885-10035-7	DUP-E	Total Recoverable	Water	6020A	10758
MRL 885-11095/14	Lab Control Sample	Total/NA	Water	6020A	
885-10035-1 MS	TP-9	Total Recoverable	Water	6020A	10758
885-10035-1 MSD	TP-9	Total Recoverable	Water	6020A	10758

Analysis Batch: 11165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Total Recoverable	Water	6020A	10758
885-10035-4	Upstream North of MW-45	Total Recoverable	Water	6020A	10758
885-10035-5	Upstream North of MW-46	Total Recoverable	Water	6020A	10758
885-10035-6	Downstream	Total Recoverable	Water	6020A	10758
885-10035-7	DUP-E	Total Recoverable	Water	6020A	10758
MRL 885-11165/9	Lab Control Sample	Total/NA	Water	6020A	
885-10035-1 MS	TP-9	Total Recoverable	Water	6020A	10758
885-10035-1 MSD	TP-9	Total Recoverable	Water	6020A	10758

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Dissolved	Water	6020A	
885-10035-4	Upstream North of MW-45	Dissolved	Water	6020A	
885-10035-5	Upstream North of MW-46	Dissolved	Water	6020A	
885-10035-6	Downstream	Dissolved	Water	6020A	
885-10035-7	DUP-E	Dissolved	Water	6020A	
MB 885-11856/18	Method Blank	Total/NA	Water	6020A	
LCS 885-11856/27	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/28	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 12129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Dissolved	Water	6010B	
885-10035-4	Upstream North of MW-45	Dissolved	Water	6010B	
885-10035-5	Upstream North of MW-46	Dissolved	Water	6010B	
885-10035-5	Upstream North of MW-46	Dissolved	Water	6010B	
885-10035-6	Downstream	Dissolved	Water	6010B	
885-10035-6	Downstream	Dissolved	Water	6010B	
885-10035-7	DUP-E	Dissolved	Water	6010B	
885-10035-7	DUP-E	Dissolved	Water	6010B	
MB 885-12129/81	Method Blank	Total/NA	Water	6010B	
LCS 885-12129/83	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12129/84	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-12129/14	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Dissolved	Water	6020A	

QC Association Summary

Client: Ensolum LLC
Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

Metals (Continued)

Analysis Batch: 12341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-4	Upstream North of MW-45	Dissolved	Water	6020A	
885-10035-5	Upstream North of MW-46	Dissolved	Water	6020A	
885-10035-6	Downstream	Dissolved	Water	6020A	
885-10035-7	DUP-E	Dissolved	Water	6020A	
MB 885-12341/14	Method Blank	Total/NA	Water	6020A	
LCS 885-12341/23	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-12341/18	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-12341/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 11378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10035-3	Upstream	Total/NA	Water	SM 2320B	
885-10035-4	Upstream North of MW-45	Total/NA	Water	SM 2320B	
885-10035-5	Upstream North of MW-46	Total/NA	Water	SM 2320B	
885-10035-6	Downstream	Total/NA	Water	SM 2320B	
885-10035-7	DUP-E	Total/NA	Water	SM 2320B	
MB 885-11378/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11378/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11378/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: TP-9

Lab Sample ID: 885-10035-1

Date Collected: 08/15/24 09:35

Matrix: Water

Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015M/D		1	10754	AT	EET ALB	08/21/24 18:02
Total/NA	Analysis	8021B		1	10755	AT	EET ALB	08/21/24 18:02
Total/NA	Prep	3510C			10518	JM	EET ALB	08/19/24 13:30
Total/NA	Analysis	8015M/D		1	11383	KR	EET ALB	08/30/24 11:59
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 12:36

Client Sample ID: TP-7

Lab Sample ID: 885-10035-2

Date Collected: 08/15/24 10:10

Matrix: Water

Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015M/D		1	10754	AT	EET ALB	08/21/24 19:07
Total/NA	Analysis	8021B		1	10755	AT	EET ALB	08/21/24 19:07
Total/NA	Prep	3510C			10518	JM	EET ALB	08/19/24 13:30
Total/NA	Analysis	8015M/D		1	11383	KR	EET ALB	08/30/24 12:47
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 12:50

Client Sample ID: Upstream

Lab Sample ID: 885-10035-3

Date Collected: 08/15/24 12:15

Matrix: Water

Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11062	JR	EET ALB	08/27/24 18:44
Total/NA	Analysis	8015M/D		1	10754	AT	EET ALB	08/21/24 19:29
Total/NA	Prep	3510C			10518	JM	EET ALB	08/19/24 13:30
Total/NA	Analysis	8015M/D		1	11383	KR	EET ALB	08/30/24 13:10
Total/NA	Analysis	300.0		5	10384	RC	EET ALB	08/16/24 21:22
Total/NA	Analysis	300.0		5	10385	RC	EET ALB	08/16/24 21:22
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 10:45
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:06
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 11:59
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 13:03
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11165	BV	EET ALB	08/27/24 13:38
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:16
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:09
Total/NA	Analysis	SM 2320B		1	11378	DL	EET ALB	08/29/24 14:38

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

Client Sample ID: Upstream North of MW-45
Lab Sample ID: 885-10035-4
Date Collected: 08/15/24 12:50
Matrix: Water
Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11062	JR	EET ALB	08/27/24 19:12
Total/NA	Analysis	8015M/D		1	10754	AT	EET ALB	08/21/24 19:51
Total/NA	Prep	3510C			10518	JM	EET ALB	08/19/24 13:30
Total/NA	Analysis	8015M/D		1	11383	KR	EET ALB	08/30/24 13:34
Total/NA	Analysis	300.0		5	10384	RC	EET ALB	08/16/24 21:52
Total/NA	Analysis	300.0		5	10385	RC	EET ALB	08/16/24 21:52
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 10:53
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:11
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 12:04
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 13:08
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11165	BV	EET ALB	08/27/24 13:52
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:21
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:18
Total/NA	Analysis	SM 2320B		1	11378	DL	EET ALB	08/29/24 14:46

Client Sample ID: Upstream North of MW-46
Lab Sample ID: 885-10035-5
Date Collected: 08/15/24 13:25
Matrix: Water
Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11062	JR	EET ALB	08/27/24 19:41
Total/NA	Analysis	8015M/D		1	10754	AT	EET ALB	08/21/24 20:13
Total/NA	Prep	3510C			10518	JM	EET ALB	08/19/24 13:30
Total/NA	Analysis	8015M/D		1	11383	KR	EET ALB	08/30/24 13:58
Total/NA	Analysis	300.0		5	10384	RC	EET ALB	08/16/24 22:22
Total/NA	Analysis	300.0		5	10385	RC	EET ALB	08/16/24 22:22
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 11:08
Dissolved	Analysis	6010B		100	12129	VP	EET ALB	09/12/24 11:13
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:15
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 12:08
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 13:12
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11165	BV	EET ALB	08/27/24 13:56
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:26
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:23
Total/NA	Analysis	SM 2320B		1	11378	DL	EET ALB	08/29/24 14:53

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: Downstream

Lab Sample ID: 885-10035-6
Matrix: Water
Date Collected: 08/15/24 14:00
Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11062	JR	EET ALB	08/27/24 20:09
Total/NA	Analysis	8015M/D		1	10754	AT	EET ALB	08/21/24 20:35
Total/NA	Prep	3510C			10518	JM	EET ALB	08/19/24 13:30
Total/NA	Analysis	8015M/D		1	11383	KR	EET ALB	08/30/24 14:22
Total/NA	Analysis	300.0		5	10384	RC	EET ALB	08/16/24 23:23
Total/NA	Analysis	300.0		5	10385	RC	EET ALB	08/16/24 23:23
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 11:17
Dissolved	Analysis	6010B		100	12129	VP	EET ALB	09/12/24 11:22
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:20
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 12:13
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 13:17
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11165	BV	EET ALB	08/27/24 14:01
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:31
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:28
Total/NA	Analysis	SM 2320B		1	11378	DL	EET ALB	08/29/24 15:01

Client Sample ID: DUP-E

Lab Sample ID: 885-10035-7
Matrix: Water
Date Collected: 08/15/24 13:25
Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11062	JR	EET ALB	08/27/24 20:38
Total/NA	Analysis	8015M/D		1	10754	AT	EET ALB	08/21/24 20:57
Total/NA	Prep	3510C			10518	JM	EET ALB	08/19/24 13:36
Total/NA	Analysis	8015M/D		1	11383	KR	EET ALB	08/30/24 14:45
Total/NA	Analysis	300.0		5	10384	RC	EET ALB	08/17/24 00:23
Total/NA	Analysis	300.0		5	10385	RC	EET ALB	08/17/24 00:23
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 11:24
Dissolved	Analysis	6010B		100	12129	VP	EET ALB	09/12/24 11:28
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:27
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 12:17
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11095	BV	EET ALB	08/26/24 13:21
Total Recoverable	Prep	3005A			10758	JE	EET ALB	08/22/24 09:28
Total Recoverable	Analysis	6020A		5	11165	BV	EET ALB	08/27/24 14:05
Dissolved	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Dissolved	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:40
Total/NA	Prep	7470A			10521	JE	EET ALB	08/19/24 13:33
Total/NA	Analysis	7470A		1	10795	JR	EET ALB	08/21/24 13:38

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10035-1

Client Sample ID: DUP-E

Lab Sample ID: 885-10035-7
Matrix: Water
Date Collected: 08/15/24 13:25
Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2320B		1	11378	DL	EET ALB	08/29/24 15:08

Client Sample ID: Trip Blank

Lab Sample ID: 885-10035-8
Matrix: Water
Date Collected: 08/15/24 14:50
Date Received: 08/16/24 06:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11062	JR	EET ALB	08/27/24 23:29

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8021B		Water	Benzene
8021B		Water	Ethylbenzene
8021B		Water	Methyl-tert-butyl Ether (MTBE)
8021B		Water	Toluene
8021B		Water	Xylenes, Total
8260B		Water	Benzene
8260B		Water	Ethylbenzene
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Toluene
8260B		Water	Xylenes, Total
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-10035-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albequerque
4901 Hawkins NE
Albuquerque NM 87109
Phone: (505) 345-3975

Chain of Custody Record

eurofins

885-10035 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Enviro

Client Contact	Project Manager: Devin Hencmann	Site Contact:	Date:	COC No:
Ensolum LLC	Email: dhencmann@ensolum.com	Lab Contact: Andy Freeman	Carrier:	____ of ____ COCs
776 E 2nd Avenue	Tel/Fax: 970-403-6023			TALS Project #:
Durango/CO/81301	Analysis Turnaround Time			Sampler:
(903) 821-5603 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			Walk-in Client:
Project Name: Bloomfield Terminal	☐ 2 weeks			Lab Sampling:
Site: -	☐ 1 week			
P O # 07A2015013	☐ 2 days ☐ 1 day			Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs (EPA Method 8260)	VOCs Target List (Method 8260)	SVOCs (Method 8270)	TPH - DRO/MRO (Method 8015DRO)	TPH- GRO (8015DROLL)	Total Recoverable Metals (6010/7470)	Total Dissolved Metals (6010/7470)	Alkalinity (310.1)	Anions (300.0)	Carbon Dioxide (310.1)	Sample Specific Notes:
TP-9	8/15/24	0935	G	GW	various				X		X	X	X					1
TP-7		1010							X		X	X	X					2
Upstream		1215							X		X	X	X	X	X	X		3
North of MW-45		1250							X		X	X	X	X	X	X		4
North of MW-46		1325							X		X	X	X	X	X	X		5
Downstream		1400							X		X	X	X	X	X	X		6
Dup-E		1325							X		X	X	X	X	X	X		7
Trip Blank		1450			2 VOA													8

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Level IV QC Package
cc: ecarroll@ensolum.com

2.6 - 0.4 = 2.2 °C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.3 Corr'd: 1.9 °c | Therm ID No.: chuckwg

	Company	Date/Time		Company	Date/Time
Relinquished by:	Ensolum	8/16/24 1531	Received by:	Eurofins	8/16/24 1531
Relinquished by:	Eurofins	8/16/24	Received by:	courier	8/16/24 16:10
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-10035-1

Login Number: 10035 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

Generated 9/20/2024 3:24:29 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-10613-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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9/20/2024 3:24:29 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-10613-1

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-10613-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

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

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Definitions/Glossary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-10613-1

Job ID: 885-10613-1 Eurofins Albuquerque

Job Narrative
885-10613-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/27/2024 7:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.7°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

The container count for the following samples did not match what was listed on the Chain-of-Custody (COC): MW-31 (885-10613-1), MW-26 (885-10613-2) and MW-37 (885-10613-3).
The laboratory received 8 total containers, while the COC lists 10 total containers.

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

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

Diesel Range Organics
Method 8015D_DRO_LL: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 885-11288 and analytical batch 885-11911 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28].

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

HPLC/IC
Method 300_OF_28D_PREC: The following samples were diluted due to the nature of the sample matrix: MW-31 (885-10613-1) and MW-26 (885-10613-2). Elevated reporting limits (RLs) are provided.

Method 300_OF_48H_PREC: The following samples were diluted due to the nature of the sample matrix: MW-31 (885-10613-1), MW-26 (885-10613-2) and MW-37 (885-10613-3). Elevated reporting limits (RLs) are provided.

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

Metals
Method 6010B - Dissolved: The RL for cations (Ca, K, Mg, Na) is 1ppm, and therefore, the MRL is recovering within the recovery limits.

(MRL 885-12129/14)

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

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

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-31

Date Collected: 08/26/24 12:15
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			09/03/24 15:24	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			09/03/24 15:24	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			09/03/24 15:24	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/03/24 15:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/03/24 15:24	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/03/24 15:24	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			09/03/24 15:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			09/03/24 15:24	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			09/03/24 15:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			09/03/24 15:24	1
1,2,4-Trimethylbenzene	**1.2**		1.0	0.12	ug/L			09/03/24 15:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			09/03/24 15:24	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			09/03/24 15:24	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/03/24 15:24	1
1,2-Dichloroethane (EDC)	**0.59**	**J**	1.0	0.30	ug/L			09/03/24 15:24	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/03/24 15:24	1
1,3,5-Trimethylbenzene	**0.20**	**J**	1.0	0.18	ug/L			09/03/24 15:24	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			09/03/24 15:24	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			09/03/24 15:24	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			09/03/24 15:24	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 15:24	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			09/03/24 15:24	1
2-Butanone	ND		10	2.0	ug/L			09/03/24 15:24	1
2-Chlorotoluene	**0.15**	**J**	1.0	0.13	ug/L			09/03/24 15:24	1
2-Hexanone	ND		10	1.8	ug/L			09/03/24 15:24	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 15:24	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 15:24	1
4-Isopropyltoluene	**0.20**	**J**	1.0	0.20	ug/L			09/03/24 15:24	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			09/03/24 15:24	1
Acetone	ND		10	2.5	ug/L			09/03/24 15:24	1
Benzene	**16**		1.0	0.23	ug/L			09/03/24 15:24	1
Bromobenzene	ND		1.0	0.28	ug/L			09/03/24 15:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/03/24 15:24	1
Dibromochloromethane	ND		1.0	0.28	ug/L			09/03/24 15:24	1
Bromoform	ND		1.0	0.31	ug/L			09/03/24 15:24	1
Bromomethane	ND		3.0	1.0	ug/L			09/03/24 15:24	1
Carbon disulfide	ND		10	1.0	ug/L			09/03/24 15:24	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			09/03/24 15:24	1
Chlorobenzene	ND		1.0	0.46	ug/L			09/03/24 15:24	1
Chloroethane	ND		2.0	0.38	ug/L			09/03/24 15:24	1
Chloroform	ND		1.0	0.25	ug/L			09/03/24 15:24	1
Chloromethane	**0.99**	**J**	3.0	0.41	ug/L			09/03/24 15:24	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			09/03/24 15:24	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			09/03/24 15:24	1
Dibromomethane	ND		1.0	0.31	ug/L			09/03/24 15:24	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			09/03/24 15:24	1
Ethylbenzene	**2.4**		1.0	0.21	ug/L			09/03/24 15:24	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			09/03/24 15:24	1
Isopropylbenzene	**5.6**		1.0	0.18	ug/L			09/03/24 15:24	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-31
Date Collected: 08/26/24 12:15
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			09/03/24 15:24	1
Methylene Chloride	ND		3.0	1.2	ug/L			09/03/24 15:24	1
n-Butylbenzene	**0.44**	**J**	3.0	0.13	ug/L			09/03/24 15:24	1
N-Propylbenzene	**7.0**		1.0	0.11	ug/L			09/03/24 15:24	1
Naphthalene	**3.9**		2.0	0.24	ug/L			09/03/24 15:24	1
sec-Butylbenzene	**4.3**		1.0	0.14	ug/L			09/03/24 15:24	1
Styrene	ND		1.0	0.14	ug/L			09/03/24 15:24	1
tert-Butylbenzene	**0.89**	**J**	1.0	0.24	ug/L			09/03/24 15:24	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			09/03/24 15:24	1
Toluene	**0.62**	**J**	1.0	0.25	ug/L			09/03/24 15:24	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			09/03/24 15:24	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			09/03/24 15:24	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			09/03/24 15:24	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			09/03/24 15:24	1
Vinyl chloride	ND		1.0	0.32	ug/L			09/03/24 15:24	1
Xylenes, Total	**6.6**		1.5	0.37	ug/L			09/03/24 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*09/03/24 15:24*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/03/24 15:24*	*1*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/03/24 15:24*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*09/03/24 15:24*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.62**		0.050	0.013	mg/L			08/29/24 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*178*		*15 - 270*		*08/29/24 21:32*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.66**	***1**	0.19	0.067	mg/L		08/29/24 09:11	09/10/24 18:53	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*33 - 159*	*08/29/24 09:11*	*09/10/24 18:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**2.7**		1.0	0.50	mg/L			08/27/24 17:45	10
Nitrate	ND		1.0	0.20	mg/L			08/27/24 17:45	10
Chloride	**130**		5.0	2.5	mg/L			08/27/24 17:45	10
Nitrite	ND		1.0	0.12	mg/L			08/27/24 17:45	10
Orthophosphate as P	ND		5.0	2.5	mg/L			08/27/24 17:45	10
Sulfate	**420**		5.0	2.5	mg/L			08/27/24 17:45	10
Fluoride	ND		1.0	0.46	mg/L			08/27/24 17:45	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-31

Date Collected: 08/26/24 12:15
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120		10	0.89	mg/L			09/12/24 11:40	10
Iron	0.14		0.020	0.017	mg/L			09/12/24 11:37	1
Magnesium	28		1.0	0.098	mg/L			09/12/24 11:37	1
Manganese	0.082		0.0020	0.00032	mg/L			09/12/24 11:37	1
Potassium	5.3		1.0	0.13	mg/L			09/12/24 11:37	1
Sodium	500		10	3.0	mg/L			09/12/24 11:40	10
Zinc	0.012	J	0.020	0.0049	mg/L			09/12/24 11:37	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:35	5
Barium	0.43		0.010	0.0050	mg/L		08/28/24 16:21	09/16/24 13:02	10
Cadmium	ND		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:35	5
Chromium	0.0081		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:35	5
Lead	0.0049	J	0.0050	0.0030	mg/L		08/28/24 16:21	09/04/24 18:35	5
Selenium	0.0046	J	0.0050	0.0040	mg/L		08/28/24 16:21	09/04/24 18:35	5
Silver	ND		0.010	0.0050	mg/L		08/28/24 16:21	09/16/24 13:02	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:49	20
Barium	0.14		0.020	0.010	mg/L			09/06/24 13:49	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:49	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:49	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:49	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:49	20
Silver	ND		0.020	0.010	mg/L			09/16/24 12:22	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:49	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:49	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/05/24 12:25	09/09/24 13:05	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/30/24 11:01	08/31/24 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	900		20	20	mg/L			09/05/24 15:56	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	900		20	20	mg/L			09/05/24 15:56	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			09/05/24 15:56	1
Carbon dioxide (SM 4500 CO2 D)	830	HF	23	23	mg/L			09/05/24 15:56	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-26

Date Collected: 08/26/24 11:31
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.3	ug/L			09/03/24 15:48	5
1,1,1-Trichloroethane	ND		5.0	0.41	ug/L			09/03/24 15:48	5
1,1,2,2-Tetrachloroethane	ND		10	1.4	ug/L			09/03/24 15:48	5
1,1,2-Trichloroethane	ND		5.0	0.99	ug/L			09/03/24 15:48	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			09/03/24 15:48	5
1,1-Dichloroethene	ND		5.0	1.0	ug/L			09/03/24 15:48	5
1,1-Dichloropropene	ND		5.0	0.90	ug/L			09/03/24 15:48	5
1,2,3-Trichlorobenzene	ND		5.0	1.2	ug/L			09/03/24 15:48	5
1,2,3-Trichloropropane	ND		10	0.80	ug/L			09/03/24 15:48	5
1,2,4-Trichlorobenzene	ND		5.0	2.0	ug/L			09/03/24 15:48	5
1,2,4-Trimethylbenzene	ND		5.0	0.61	ug/L			09/03/24 15:48	5
1,2-Dibromo-3-Chloropropane	ND		10	2.9	ug/L			09/03/24 15:48	5
1,2-Dibromoethane (EDB)	ND		5.0	1.5	ug/L			09/03/24 15:48	5
1,2-Dichlorobenzene	ND		5.0	0.77	ug/L			09/03/24 15:48	5
1,2-Dichloroethane (EDC)	ND		5.0	1.5	ug/L			09/03/24 15:48	5
1,2-Dichloropropane	**2.1**	**J**	5.0	1.0	ug/L			09/03/24 15:48	5
1,3,5-Trimethylbenzene	ND		5.0	0.91	ug/L			09/03/24 15:48	5
1,3-Dichlorobenzene	ND		5.0	0.81	ug/L			09/03/24 15:48	5
1,3-Dichloropropane	ND		5.0	0.90	ug/L			09/03/24 15:48	5
1,4-Dichlorobenzene	ND		5.0	0.52	ug/L			09/03/24 15:48	5
1-Methylnaphthalene	**24**		20	10	ug/L			09/03/24 15:48	5
2,2-Dichloropropane	ND		10	1.3	ug/L			09/03/24 15:48	5
2-Butanone	ND		50	10	ug/L			09/03/24 15:48	5
2-Chlorotoluene	ND		5.0	0.66	ug/L			09/03/24 15:48	5
2-Hexanone	**51**		50	9.0	ug/L			09/03/24 15:48	5
2-Methylnaphthalene	**31**		20	10	ug/L			09/03/24 15:48	5
4-Chlorotoluene	ND		5.0	0.67	ug/L			09/03/24 15:48	5
4-Isopropyltoluene	ND		5.0	1.0	ug/L			09/03/24 15:48	5
4-Methyl-2-pentanone	ND		50	7.5	ug/L			09/03/24 15:48	5
Acetone	ND		50	13	ug/L			09/03/24 15:48	5
Benzene	**1.1**	**J**	5.0	1.1	ug/L			09/03/24 15:48	5
Bromobenzene	ND		5.0	1.4	ug/L			09/03/24 15:48	5
Bromodichloromethane	**2.5**	**J**	5.0	1.0	ug/L			09/03/24 15:48	5
Dibromochloromethane	ND		5.0	1.4	ug/L			09/03/24 15:48	5
Bromoform	ND		5.0	1.6	ug/L			09/03/24 15:48	5
Bromomethane	ND		15	5.0	ug/L			09/03/24 15:48	5
Carbon disulfide	ND		50	5.0	ug/L			09/03/24 15:48	5
Carbon tetrachloride	ND		5.0	0.88	ug/L			09/03/24 15:48	5
Chlorobenzene	ND		5.0	2.3	ug/L			09/03/24 15:48	5
Chloroethane	ND		10	1.9	ug/L			09/03/24 15:48	5
Chloroform	ND		5.0	1.3	ug/L			09/03/24 15:48	5
Chloromethane	ND		15	2.1	ug/L			09/03/24 15:48	5
cis-1,2-Dichloroethene	ND		5.0	1.9	ug/L			09/03/24 15:48	5
cis-1,3-Dichloropropene	ND		5.0	0.58	ug/L			09/03/24 15:48	5
Dibromomethane	ND		5.0	1.5	ug/L			09/03/24 15:48	5
Dichlorodifluoromethane	ND		5.0	1.3	ug/L			09/03/24 15:48	5
Ethylbenzene	**1.4**	**J**	5.0	1.1	ug/L			09/03/24 15:48	5
Hexachlorobutadiene	ND		5.0	2.1	ug/L			09/03/24 15:48	5
Isopropylbenzene	**60**		5.0	0.91	ug/L			09/03/24 15:48	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-26

Date Collected: 08/26/24 11:31
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		5.0	2.0	ug/L			09/03/24 15:48	5
Methylene Chloride	ND		15	6.2	ug/L			09/03/24 15:48	5
n-Butylbenzene	**2.3**	**J**	15	0.63	ug/L			09/03/24 15:48	5
N-Propylbenzene	**62**		5.0	0.55	ug/L			09/03/24 15:48	5
Naphthalene	**120**		10	1.2	ug/L			09/03/24 15:48	5
sec-Butylbenzene	**9.5**		5.0	0.72	ug/L			09/03/24 15:48	5
Styrene	ND		5.0	0.68	ug/L			09/03/24 15:48	5
tert-Butylbenzene	**2.0**	**J**	5.0	1.2	ug/L			09/03/24 15:48	5
Tetrachloroethene (PCE)	ND		5.0	0.89	ug/L			09/03/24 15:48	5
Toluene	ND		5.0	1.3	ug/L			09/03/24 15:48	5
trans-1,2-Dichloroethene	ND		5.0	0.97	ug/L			09/03/24 15:48	5
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			09/03/24 15:48	5
Trichloroethene (TCE)	ND		5.0	1.0	ug/L			09/03/24 15:48	5
Trichlorofluoromethane	ND		5.0	0.79	ug/L			09/03/24 15:48	5
Vinyl chloride	ND		5.0	1.6	ug/L			09/03/24 15:48	5
Xylenes, Total	ND		7.5	1.9	ug/L			09/03/24 15:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*09/03/24 15:48*	*5*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/03/24 15:48*	*5*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*09/03/24 15:48*	*5*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/03/24 15:48*	*5*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**1.2**		0.25	0.066	mg/L			08/29/24 21:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*241*		*15 - 270*		*08/29/24 21:56*	*5*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.6**	***1**	0.19	0.067	mg/L		08/29/24 09:11	09/10/24 19:17	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*107*		*33 - 159*	*08/29/24 09:11*	*09/10/24 19:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**3.6**		1.0	0.50	mg/L			08/27/24 19:00	10
Nitrate	ND		1.0	0.20	mg/L			08/27/24 19:00	10
Chloride	**190**		50	25	mg/L			08/27/24 19:12	100
Nitrite	ND		1.0	0.12	mg/L			08/27/24 19:00	10
Orthophosphate as P	ND		5.0	2.5	mg/L			08/27/24 19:00	10
Sulfate	ND		5.0	2.5	mg/L			08/27/24 19:00	10
Fluoride	ND		1.0	0.46	mg/L			08/27/24 19:00	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-26

Date Collected: 08/26/24 11:31
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		10	0.89	mg/L			09/12/24 11:47	10
Iron	**2.8**		0.20	0.17	mg/L			09/12/24 11:47	10
Magnesium	**41**		1.0	0.098	mg/L			09/12/24 11:45	1
Manganese	**1.6**		0.020	0.0032	mg/L			09/12/24 11:47	10
Potassium	**4.7**		1.0	0.13	mg/L			09/12/24 11:45	1
Sodium	**540**		10	3.0	mg/L			09/12/24 11:47	10
Zinc	**0.047**		0.020	0.0049	mg/L			09/12/24 11:45	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0051**		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:40	5
Barium	**1.9**		0.050	0.025	mg/L		08/28/24 16:21	09/16/24 14:46	50
Cadmium	ND		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:40	5
Chromium	ND		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:40	5
Lead	ND		0.0050	0.0030	mg/L		08/28/24 16:21	09/04/24 18:40	5
Selenium	ND		0.0050	0.0040	mg/L		08/28/24 16:21	09/04/24 18:40	5
Silver	ND		0.010	0.0050	mg/L		08/28/24 16:21	09/16/24 13:06	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:54	20
Barium	**2.5**		0.050	0.025	mg/L			09/06/24 14:30	50
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:54	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:54	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:54	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:54	20
Silver	ND		0.020	0.010	mg/L			09/16/24 12:26	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:54	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:54	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/24 07:28	09/13/24 12:25	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/30/24 11:01	08/31/24 16:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	**1300**		50	50	mg/L			09/06/24 14:38	2.5
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**1300**		50	50	mg/L			09/06/24 14:38	2.5
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			09/06/24 14:38	2.5
Carbon dioxide (SM 4500 CO2 D)	**1200**	**HF**	58	58	mg/L			09/06/24 14:38	2.5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-37

Date Collected: 08/26/24 10:45
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			09/03/24 16:13	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			09/03/24 16:13	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			09/03/24 16:13	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/03/24 16:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/03/24 16:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/03/24 16:13	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			09/03/24 16:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			09/03/24 16:13	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			09/03/24 16:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			09/03/24 16:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			09/03/24 16:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			09/03/24 16:13	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			09/03/24 16:13	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/03/24 16:13	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			09/03/24 16:13	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/03/24 16:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			09/03/24 16:13	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			09/03/24 16:13	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			09/03/24 16:13	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			09/03/24 16:13	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 16:13	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			09/03/24 16:13	1
2-Butanone	ND		10	2.0	ug/L			09/03/24 16:13	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 16:13	1
2-Hexanone	ND		10	1.8	ug/L			09/03/24 16:13	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 16:13	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 16:13	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/03/24 16:13	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			09/03/24 16:13	1
Acetone	ND		10	2.5	ug/L			09/03/24 16:13	1
Benzene	ND		1.0	0.23	ug/L			09/03/24 16:13	1
Bromobenzene	ND		1.0	0.28	ug/L			09/03/24 16:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/03/24 16:13	1
Dibromochloromethane	ND		1.0	0.28	ug/L			09/03/24 16:13	1
Bromoform	ND		1.0	0.31	ug/L			09/03/24 16:13	1
Bromomethane	ND		3.0	1.0	ug/L			09/03/24 16:13	1
Carbon disulfide	ND		10	1.0	ug/L			09/03/24 16:13	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			09/03/24 16:13	1
Chlorobenzene	ND		1.0	0.46	ug/L			09/03/24 16:13	1
Chloroethane	ND		2.0	0.38	ug/L			09/03/24 16:13	1
Chloroform	ND		1.0	0.25	ug/L			09/03/24 16:13	1
Chloromethane	ND		3.0	0.41	ug/L			09/03/24 16:13	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			09/03/24 16:13	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			09/03/24 16:13	1
Dibromomethane	ND		1.0	0.31	ug/L			09/03/24 16:13	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			09/03/24 16:13	1
Ethylbenzene	ND		1.0	0.21	ug/L			09/03/24 16:13	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			09/03/24 16:13	1
Isopropylbenzene	ND		1.0	0.18	ug/L			09/03/24 16:13	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-37

Date Collected: 08/26/24 10:45
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			09/03/24 16:13	1
Methylene Chloride	ND		3.0	1.2	ug/L			09/03/24 16:13	1
n-Butylbenzene	ND		3.0	0.13	ug/L			09/03/24 16:13	1
N-Propylbenzene	ND		1.0	0.11	ug/L			09/03/24 16:13	1
Naphthalene	ND		2.0	0.24	ug/L			09/03/24 16:13	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			09/03/24 16:13	1
Styrene	ND		1.0	0.14	ug/L			09/03/24 16:13	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			09/03/24 16:13	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			09/03/24 16:13	1
Toluene	ND		1.0	0.25	ug/L			09/03/24 16:13	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			09/03/24 16:13	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			09/03/24 16:13	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			09/03/24 16:13	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			09/03/24 16:13	1
Vinyl chloride	ND		1.0	0.32	ug/L			09/03/24 16:13	1
Xylenes, Total	ND		1.5	0.37	ug/L			09/03/24 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*09/03/24 16:13*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/03/24 16:13*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*09/03/24 16:13*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/03/24 16:13*	*1*

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**0.013**	**J**	0.050	0.013	mg/L			08/29/24 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 270*		*08/29/24 22:19*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.10**	**J *1**	0.19	0.067	mg/L		08/29/24 09:11	09/10/24 19:41	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*33 - 159*	*08/29/24 09:11*	*09/10/24 19:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	**5.4**		1.0	0.50	mg/L			08/27/24 19:24	10
Nitrate	ND		1.0	0.20	mg/L			08/27/24 19:24	10
Chloride	**390**		50	25	mg/L			08/27/24 19:37	100
Nitrite	ND		1.0	0.12	mg/L			08/27/24 19:24	10
Orthophosphate as P	ND		5.0	2.5	mg/L			08/27/24 19:24	10
Sulfate	**2100**		50	25	mg/L			08/27/24 19:37	100
Fluoride	**0.53**	**J**	1.0	0.46	mg/L			08/27/24 19:24	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-37

Date Collected: 08/26/24 10:45
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	420		10	0.89	mg/L			09/12/24 11:54	10
Iron	0.51		0.020	0.017	mg/L			09/12/24 11:52	1
Magnesium	76		1.0	0.098	mg/L			09/12/24 11:52	1
Manganese	1.7		0.020	0.0032	mg/L			09/12/24 11:54	10
Potassium	6.6		1.0	0.13	mg/L			09/12/24 11:52	1
Sodium	810		10	3.0	mg/L			09/12/24 11:54	10
Zinc	0.083		0.020	0.0049	mg/L			09/12/24 11:52	1

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0026	J	0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:44	5
Barium	0.19		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:44	5
Cadmium	ND		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:44	5
Chromium	0.0057		0.0050	0.0025	mg/L		08/28/24 16:21	09/04/24 18:44	5
Lead	0.0035	J	0.0050	0.0030	mg/L		08/28/24 16:21	09/04/24 18:44	5
Selenium	0.0040	J	0.0050	0.0040	mg/L		08/28/24 16:21	09/04/24 18:44	5
Silver	ND		0.010	0.0050	mg/L		08/28/24 16:21	09/16/24 13:11	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.010	mg/L			09/06/24 13:58	20
Barium	0.026		0.020	0.010	mg/L			09/06/24 13:58	20
Cadmium	ND		0.020	0.010	mg/L			09/06/24 13:58	20
Chromium	ND		0.020	0.010	mg/L			09/06/24 13:58	20
Lead	ND		0.020	0.010	mg/L			09/06/24 13:58	20
Selenium	ND		0.020	0.016	mg/L			09/06/24 13:58	20
Silver	ND		0.020	0.010	mg/L			09/16/24 12:30	20
Copper	ND		0.020	0.010	mg/L			09/06/24 13:58	20
Uranium	ND		0.020	0.010	mg/L			09/06/24 13:58	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/24 07:28	09/13/24 12:32	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/30/24 11:01	08/31/24 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B)	320		20	20	mg/L			09/05/24 17:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	320		20	20	mg/L			09/05/24 17:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	2.0	mg/L			09/05/24 17:33	1
Carbon dioxide (SM 4500 CO2 D)	290	HF	23	23	mg/L			09/05/24 17:33	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-11469/4
Matrix: Water
Analysis Batch: 11469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			09/03/24 11:20	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			09/03/24 11:20	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			09/03/24 11:20	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/03/24 11:20	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/03/24 11:20	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/03/24 11:20	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			09/03/24 11:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			09/03/24 11:20	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			09/03/24 11:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			09/03/24 11:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			09/03/24 11:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			09/03/24 11:20	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			09/03/24 11:20	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/03/24 11:20	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			09/03/24 11:20	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/03/24 11:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			09/03/24 11:20	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			09/03/24 11:20	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			09/03/24 11:20	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			09/03/24 11:20	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 11:20	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			09/03/24 11:20	1
2-Butanone	ND		10	2.0	ug/L			09/03/24 11:20	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 11:20	1
2-Hexanone	ND		10	1.8	ug/L			09/03/24 11:20	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 11:20	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 11:20	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/03/24 11:20	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			09/03/24 11:20	1
Acetone	ND		10	2.5	ug/L			09/03/24 11:20	1
Benzene	ND		1.0	0.23	ug/L			09/03/24 11:20	1
Bromobenzene	ND		1.0	0.28	ug/L			09/03/24 11:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/03/24 11:20	1
Dibromochloromethane	ND		1.0	0.28	ug/L			09/03/24 11:20	1
Bromoform	ND		1.0	0.31	ug/L			09/03/24 11:20	1
Bromomethane	ND		3.0	1.0	ug/L			09/03/24 11:20	1
Carbon disulfide	ND		10	1.0	ug/L			09/03/24 11:20	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			09/03/24 11:20	1
Chlorobenzene	ND		1.0	0.46	ug/L			09/03/24 11:20	1
Chloroethane	ND		2.0	0.38	ug/L			09/03/24 11:20	1
Chloroform	ND		1.0	0.25	ug/L			09/03/24 11:20	1
Chloromethane	ND		3.0	0.41	ug/L			09/03/24 11:20	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			09/03/24 11:20	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			09/03/24 11:20	1
Dibromomethane	ND		1.0	0.31	ug/L			09/03/24 11:20	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			09/03/24 11:20	1
Ethylbenzene	ND		1.0	0.21	ug/L			09/03/24 11:20	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			09/03/24 11:20	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

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

Lab Sample ID: MB 885-11469/4
Matrix: Water
Analysis Batch: 11469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			09/03/24 11:20	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			09/03/24 11:20	1
Methylene Chloride	ND		3.0	1.2	ug/L			09/03/24 11:20	1
n-Butylbenzene	ND		3.0	0.13	ug/L			09/03/24 11:20	1
N-Propylbenzene	ND		1.0	0.11	ug/L			09/03/24 11:20	1
Naphthalene	ND		2.0	0.24	ug/L			09/03/24 11:20	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			09/03/24 11:20	1
Styrene	ND		1.0	0.14	ug/L			09/03/24 11:20	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			09/03/24 11:20	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			09/03/24 11:20	1
Toluene	ND		1.0	0.25	ug/L			09/03/24 11:20	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			09/03/24 11:20	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			09/03/24 11:20	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			09/03/24 11:20	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			09/03/24 11:20	1
Vinyl chloride	ND		1.0	0.32	ug/L			09/03/24 11:20	1
Xylenes, Total	ND		1.5	0.37	ug/L			09/03/24 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*09/03/24 11:20*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*09/03/24 11:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*09/03/24 11:20*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*09/03/24 11:20*	*1*

Lab Sample ID: STOBLK 885-11469/19
Matrix: Water
Analysis Batch: 11469

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

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			09/03/24 17:27	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			09/03/24 17:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			09/03/24 17:27	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/03/24 17:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/03/24 17:27	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/03/24 17:27	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			09/03/24 17:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			09/03/24 17:27	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			09/03/24 17:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			09/03/24 17:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			09/03/24 17:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			09/03/24 17:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			09/03/24 17:27	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/03/24 17:27	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			09/03/24 17:27	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/03/24 17:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			09/03/24 17:27	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			09/03/24 17:27	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			09/03/24 17:27	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

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

Lab Sample ID: STOBLK 885-11469/19
Matrix: Water
Analysis Batch: 11469

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

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			09/03/24 17:27	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 17:27	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			09/03/24 17:27	1
2-Butanone	ND		10	2.0	ug/L			09/03/24 17:27	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 17:27	1
2-Hexanone	ND		10	1.8	ug/L			09/03/24 17:27	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 17:27	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 17:27	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/03/24 17:27	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			09/03/24 17:27	1
Acetone	ND		10	2.5	ug/L			09/03/24 17:27	1
Benzene	ND		1.0	0.23	ug/L			09/03/24 17:27	1
Bromobenzene	ND		1.0	0.28	ug/L			09/03/24 17:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/03/24 17:27	1
Dibromochloromethane	ND		1.0	0.28	ug/L			09/03/24 17:27	1
Bromoform	ND		1.0	0.31	ug/L			09/03/24 17:27	1
Bromomethane	ND		3.0	1.0	ug/L			09/03/24 17:27	1
Carbon disulfide	ND		10	1.0	ug/L			09/03/24 17:27	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			09/03/24 17:27	1
Chlorobenzene	ND		1.0	0.46	ug/L			09/03/24 17:27	1
Chloroethane	ND		2.0	0.38	ug/L			09/03/24 17:27	1
Chloroform	ND		1.0	0.25	ug/L			09/03/24 17:27	1
Chloromethane	ND		3.0	0.41	ug/L			09/03/24 17:27	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			09/03/24 17:27	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			09/03/24 17:27	1
Dibromomethane	ND		1.0	0.31	ug/L			09/03/24 17:27	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			09/03/24 17:27	1
Ethylbenzene	ND		1.0	0.21	ug/L			09/03/24 17:27	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			09/03/24 17:27	1
Isopropylbenzene	ND		1.0	0.18	ug/L			09/03/24 17:27	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			09/03/24 17:27	1
Methylene Chloride	ND		3.0	1.2	ug/L			09/03/24 17:27	1
n-Butylbenzene	ND		3.0	0.13	ug/L			09/03/24 17:27	1
N-Propylbenzene	ND		1.0	0.11	ug/L			09/03/24 17:27	1
Naphthalene	ND		2.0	0.24	ug/L			09/03/24 17:27	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			09/03/24 17:27	1
Styrene	ND		1.0	0.14	ug/L			09/03/24 17:27	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			09/03/24 17:27	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			09/03/24 17:27	1
Toluene	ND		1.0	0.25	ug/L			09/03/24 17:27	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			09/03/24 17:27	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			09/03/24 17:27	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			09/03/24 17:27	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			09/03/24 17:27	1
Vinyl chloride	ND		1.0	0.32	ug/L			09/03/24 17:27	1
Xylenes, Total	ND		1.5	0.37	ug/L			09/03/24 17:27	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

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

Lab Sample ID: STOBLK 885-11469/19
Matrix: Water
Analysis Batch: 11469

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

Surrogate	STOBLK %Recovery	STOBLK Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		09/03/24 17:27	1
Toluene-d8 (Surr)	92		70 - 130		09/03/24 17:27	1
4-Bromofluorobenzene (Surr)	102		70 - 130		09/03/24 17:27	1
Dibromofluoromethane (Surr)	115		70 - 130		09/03/24 17:27	1

Lab Sample ID: LCS 885-11469/3
Matrix: Water
Analysis Batch: 11469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.9		ug/L		104	70 - 130
Benzene	20.1	23.0		ug/L		114	70 - 130
Chlorobenzene	20.1	20.0		ug/L		100	70 - 130
Toluene	20.2	19.8		ug/L		98	70 - 130
Trichloroethene (TCE)	20.2	22.2		ug/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-11387/14
Matrix: Water
Analysis Batch: 11387

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/29/24 12:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 270		08/29/24 12:33	1

Lab Sample ID: LCS 885-11387/13
Matrix: Water
Analysis Batch: 11387

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	0.500	0.513		mg/L		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	208		15 - 270

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-11288/1-A
Matrix: Water
Analysis Batch: 11911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/29/24 09:11	09/10/24 17:41	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*118*		*33 - 159*	*08/29/24 09:11*	*09/10/24 17:41*	*1*

Lab Sample ID: LCS 885-11288/2-A
Matrix: Water
Analysis Batch: 11911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	0.188	0.187	J	mg/L		100	33 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*104*		*33 - 159*

Lab Sample ID: LCSD 885-11288/3-A
Matrix: Water
Analysis Batch: 11911

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	0.188	0.233	*1	mg/L		124	33 - 149	22	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*100*		*33 - 159*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11156/11
Matrix: Water
Analysis Batch: 11156

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.10	0.050	mg/L			08/27/24 08:34	1
Chloride	ND		0.50	0.25	mg/L			08/27/24 08:34	1
Sulfate	ND		0.50	0.25	mg/L			08/27/24 08:34	1
Fluoride	ND		0.10	0.046	mg/L			08/27/24 08:34	1

Lab Sample ID: LCS 885-11156/12
Matrix: Water
Analysis Batch: 11156

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.39		mg/L		96	90 - 110
Chloride	5.00	4.79		mg/L		96	90 - 110
Sulfate	10.0	9.35		mg/L		93	90 - 110
Fluoride	0.500	0.516		mg/L		103	90 - 110

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 885-11156/10
Matrix: Water
Analysis Batch: 11156

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.102		mg/L		102	50 - 150
Chloride	0.500	0.530		mg/L		106	50 - 150
Sulfate	0.500	0.526		mg/L		105	50 - 150
Fluoride	0.100	0.113		mg/L		113	50 - 150

Lab Sample ID: 885-10613-1 MS
Matrix: Water
Analysis Batch: 11156

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.7		25.0	25.9		mg/L		93	80 - 120
Chloride	130		50.0	182		mg/L		101	80 - 120
Fluoride	ND		5.00	5.13		mg/L		103	70 - 130

Lab Sample ID: 885-10613-1 MSD
Matrix: Water
Analysis Batch: 11156

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	2.7		25.0	25.8		mg/L		92	80 - 120	0	20
Chloride	130		50.0	181		mg/L		98	80 - 120	1	20
Fluoride	ND		5.00	5.12		mg/L		102	70 - 130	0	20

Lab Sample ID: MB 885-11157/11
Matrix: Water
Analysis Batch: 11157

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	ND		0.10	0.020	mg/L			08/27/24 08:34	1
Nitrite	ND		0.10	0.012	mg/L			08/27/24 08:34	1
Orthophosphate as P	ND		0.50	0.25	mg/L			08/27/24 08:34	1

Lab Sample ID: LCS 885-11157/12
Matrix: Water
Analysis Batch: 11157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.53		mg/L		101	90 - 110
Nitrite	1.00	0.941		mg/L		94	90 - 110
Orthophosphate as P	5.00	4.74		mg/L		95	90 - 110

Lab Sample ID: MRL 885-11157/10
Matrix: Water
Analysis Batch: 11157

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.0955	J	mg/L		95	50 - 150
Nitrite	0.0999	0.0988	J	mg/L		99	50 - 150
Orthophosphate as P	0.500	0.521		mg/L		104	50 - 150

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-10613-1 MS
Matrix: Water
Analysis Batch: 11157

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	ND		25.0	24.4		mg/L		98	80 - 120
Nitrite	ND		10.0	8.52		mg/L		85	80 - 120
Orthophosphate as P	ND		50.0	45.4		mg/L		91	80 - 120

Lab Sample ID: 885-10613-1 MSD
Matrix: Water
Analysis Batch: 11157

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	ND		25.0	24.4		mg/L		98	80 - 120	0	20
Nitrite	ND		10.0	8.51		mg/L		85	80 - 120	0	20
Orthophosphate as P	ND		50.0	45.6		mg/L		91	80 - 120	1	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 885-12129/81
Matrix: Water
Analysis Batch: 12129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.089	mg/L			09/12/24 09:40	1
Iron	ND		0.020	0.017	mg/L			09/12/24 09:40	1
Magnesium	ND		1.0	0.098	mg/L			09/12/24 09:40	1
Manganese	ND		0.0020	0.00032	mg/L			09/12/24 09:40	1
Potassium	0.422	J	1.0	0.13	mg/L			09/12/24 09:40	1
Sodium	0.892	J	1.0	0.30	mg/L			09/12/24 09:40	1
Zinc	ND		0.020	0.0049	mg/L			09/12/24 09:40	1

Lab Sample ID: LCS 885-12129/83
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.4		mg/L		101	80 - 120
Iron	0.500	0.460		mg/L		92	80 - 120
Magnesium	50.0	50.9		mg/L		102	80 - 120
Manganese	0.500	0.439		mg/L		88	80 - 120
Potassium	50.0	49.9		mg/L		100	80 - 120
Sodium	50.0	47.6		mg/L		95	80 - 120
Zinc	0.500	0.456		mg/L		91	80 - 120

Lab Sample ID: LCSD 885-12129/84
Matrix: Water
Analysis Batch: 12129

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	49.2		mg/L		98	80 - 120	2	20
Iron	0.500	0.474		mg/L		95	80 - 120	3	20
Magnesium	50.0	50.1		mg/L		100	80 - 120	2	20
Manganese	0.500	0.460		mg/L		92	80 - 120	5	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

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

Lab Sample ID: LCSD 885-12129/84
Matrix: Water
Analysis Batch: 12129

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium			50.0	49.3		mg/L		99	80 - 120	1	20
Sodium			50.0	49.5		mg/L		99	80 - 120	4	20
Zinc			0.500	0.479		mg/L		96	80 - 120	5	20

Lab Sample ID: MRL 885-12129/14
Matrix: Water
Analysis Batch: 12129

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			0.500	0.498	J	mg/L		100	50 - 150		
Iron			0.0200	ND		mg/L		98	50 - 150		
Magnesium			0.500	0.534	J	mg/L		107	50 - 150		
Manganese			0.00200	0.00198	J	mg/L		99	50 - 150		
Potassium			0.500	0.761	J	mg/L		152	50 - 150		
Sodium			0.500	1.03		mg/L		206	50 - 150		
Zinc			0.0100	0.00933	J	mg/L		93	50 - 150		

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-11683/9
Matrix: Water
Analysis Batch: 11683

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.00100	0.00106		mg/L		106	70 - 130		
Barium			0.00100	0.00101		mg/L		101	70 - 130		
Cadmium			0.00100	0.00103		mg/L		103	70 - 130		
Chromium			0.00100	0.00108		mg/L		108	70 - 130		
Lead			0.00100	0.000938	J	mg/L		94	70 - 130		
Selenium			0.00100	0.00126		mg/L		126	70 - 130		
Silver			0.00100	0.00116		mg/L		116	70 - 130		

Lab Sample ID: MB 885-11856/18
Matrix: Water
Analysis Batch: 11856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Barium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Cadmium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Chromium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Lead	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Selenium	ND		0.0010	0.00080	mg/L			09/06/24 10:11	1
Silver	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Copper	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1
Uranium	ND		0.0010	0.00050	mg/L			09/06/24 10:11	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 885-11856/27
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0498		mg/L		100	80 - 120
Barium	0.0500	0.0514		mg/L		103	80 - 120
Cadmium	0.0500	0.0510		mg/L		102	80 - 120
Chromium	0.0500	0.0495		mg/L		99	80 - 120
Lead	0.0500	0.0523		mg/L		105	80 - 120
Selenium	0.0500	0.0496		mg/L		99	80 - 120
Silver	0.0250	0.0253		mg/L		101	80 - 120
Copper	0.0500	0.0504		mg/L		101	80 - 120
Uranium	0.0500	0.0531		mg/L		106	80 - 120

Lab Sample ID: LCSD 885-11856/28
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0500		mg/L		100	80 - 120	0	20
Barium	0.0500	0.0520		mg/L		104	80 - 120	1	20
Cadmium	0.0500	0.0519		mg/L		104	80 - 120	2	20
Chromium	0.0500	0.0490		mg/L		98	80 - 120	1	20
Lead	0.0500	0.0531		mg/L		106	80 - 120	1	20
Selenium	0.0500	0.0507		mg/L		101	80 - 120	2	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Copper	0.0500	0.0508		mg/L		102	80 - 120	1	20
Uranium	0.0500	0.0537		mg/L		107	80 - 120	1	20

Lab Sample ID: MRL 885-11856/9
Matrix: Water
Analysis Batch: 11856

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.000999	J	mg/L		100	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000858	J	mg/L		86	70 - 130
Chromium	0.00100	0.00107		mg/L		107	70 - 130
Lead	0.00100	0.00113		mg/L		113	70 - 130
Selenium	0.00100	0.00118		mg/L		118	70 - 130
Silver	0.00100	0.00125		mg/L		125	70 - 130
Copper	0.00100	0.00101		mg/L		101	70 - 130
Uranium	0.00100	0.000963	J	mg/L		96	70 - 130

Lab Sample ID: MB 885-12341/14
Matrix: Water
Analysis Batch: 12341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Barium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Cadmium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Chromium	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-12341/14
Matrix: Water
Analysis Batch: 12341

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Selenium	ND		0.0010	0.00080	mg/L			09/16/24 11:03	1
Silver	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1
Copper	ND		0.0010	0.00050	mg/L			09/16/24 11:03	1

Lab Sample ID: LCS 885-12341/23
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0507		mg/L		101	80 - 120
Barium	0.0500	0.0483		mg/L		97	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Chromium	0.0500	0.0502		mg/L		100	80 - 120
Lead	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0498		mg/L		100	80 - 120
Silver	0.0250	0.0251		mg/L		101	80 - 120
Copper	0.0500	0.0504		mg/L		101	80 - 120

Lab Sample ID: LCSD 885-12341/18
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0500	0.0515		mg/L		103	80 - 120	2	20
Barium	0.0500	0.0501		mg/L		100	80 - 120	4	20
Cadmium	0.0500	0.0489		mg/L		98	80 - 120	2	20
Chromium	0.0500	0.0517		mg/L		103	80 - 120	3	20
Lead	0.0500	0.0507		mg/L		101	80 - 120	2	20
Selenium	0.0500	0.0516		mg/L		103	80 - 120	4	20
Silver	0.0250	0.0250		mg/L		100	80 - 120	1	20
Copper	0.0500	0.0510		mg/L		102	80 - 120	1	20

Lab Sample ID: MRL 885-12341/9
Matrix: Water
Analysis Batch: 12341

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00109		mg/L		109	70 - 130
Barium	0.00100	0.00100		mg/L		100	70 - 130
Cadmium	0.00100	0.00101		mg/L		101	70 - 130
Chromium	0.00100	0.00110		mg/L		110	70 - 130
Lead	0.00100	0.00102		mg/L		102	70 - 130
Selenium	0.00100	0.00111		mg/L		111	70 - 130
Silver	0.00100	0.00120		mg/L		120	70 - 130
Copper	0.00100	0.00105		mg/L		105	70 - 130

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-10892/1-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.25	mg/L		08/23/24 14:22	09/04/24 17:43	10
Barium	ND		0.50	0.25	mg/L		08/23/24 14:22	09/04/24 17:43	10
Cadmium	ND		0.50	0.25	mg/L		08/23/24 14:22	09/04/24 17:43	10
Chromium	ND		0.50	0.25	mg/L		08/23/24 14:22	09/04/24 17:43	10
Lead	ND		0.50	0.30	mg/L		08/23/24 14:22	09/04/24 17:43	10
Selenium	ND		0.50	0.40	mg/L		08/23/24 14:22	09/04/24 17:43	10
Silver	ND		0.50	0.25	mg/L		08/23/24 14:22	09/04/24 17:43	10

Lab Sample ID: LCS 885-10892/3-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.00	3.98		mg/L		80	80 - 120
Barium	5.00	5.10		mg/L		102	80 - 120
Cadmium	5.00	4.19		mg/L		84	80 - 120
Chromium	5.00	4.85		mg/L		97	80 - 120
Lead	5.00	4.35		mg/L		87	80 - 120
Selenium	5.00	4.51		mg/L		90	80 - 120
Silver	2.50	2.47		mg/L		99	80 - 120

Lab Sample ID: MB 885-10895/1-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 10895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.25	mg/L		08/23/24 15:28	09/04/24 17:52	10
Barium	ND		0.50	0.25	mg/L		08/23/24 15:28	09/04/24 17:52	10
Cadmium	ND		0.50	0.25	mg/L		08/23/24 15:28	09/04/24 17:52	10
Chromium	ND		0.50	0.25	mg/L		08/23/24 15:28	09/04/24 17:52	10
Lead	ND		0.50	0.30	mg/L		08/23/24 15:28	09/04/24 17:52	10
Selenium	ND		0.50	0.40	mg/L		08/23/24 15:28	09/04/24 17:52	10
Silver	ND		0.50	0.25	mg/L		08/23/24 15:28	09/04/24 17:52	10

Lab Sample ID: LCS 885-10895/3-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 10895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.00	4.44		mg/L		89	80 - 120
Barium	5.00	5.48		mg/L		110	80 - 120
Cadmium	5.00	4.45		mg/L		89	80 - 120
Chromium	5.00	4.83		mg/L		97	80 - 120
Lead	5.00	4.45		mg/L		89	80 - 120
Selenium	5.00	4.77		mg/L		95	80 - 120
Silver	2.50	2.53		mg/L		101	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-11102/1-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 11102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/27/24 11:19	09/04/24 18:01	5
Barium	ND		0.0050	0.0025	mg/L		08/27/24 11:19	09/04/24 18:01	5
Cadmium	ND		0.0050	0.0025	mg/L		08/27/24 11:19	09/04/24 18:01	5
Chromium	ND		0.0050	0.0025	mg/L		08/27/24 11:19	09/04/24 18:01	5
Lead	ND		0.0050	0.0030	mg/L		08/27/24 11:19	09/04/24 18:01	5
Selenium	ND		0.0050	0.0040	mg/L		08/27/24 11:19	09/04/24 18:01	5
Silver	ND		0.0050	0.0025	mg/L		08/27/24 11:19	09/04/24 18:01	5

Lab Sample ID: LCS 885-11102/3-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 11102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0505		mg/L		101	80 - 120
Barium	0.0500	0.0567		mg/L		113	80 - 120
Cadmium	0.0500	0.0541		mg/L		108	80 - 120
Chromium	0.0500	0.0523		mg/L		105	80 - 120
Lead	0.0500	0.0465		mg/L		93	80 - 120
Selenium	0.0500	0.0506		mg/L		101	80 - 120
Silver	0.0250	0.0258		mg/L		103	80 - 120

Lab Sample ID: MB 885-11103/1-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 11103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0050	0.0025	mg/L		08/27/24 11:33	09/04/24 18:10	5
Barium	ND		0.0050	0.0025	mg/L		08/27/24 11:33	09/04/24 18:10	5
Cadmium	ND		0.0050	0.0025	mg/L		08/27/24 11:33	09/04/24 18:10	5
Chromium	ND		0.0050	0.0025	mg/L		08/27/24 11:33	09/04/24 18:10	5
Lead	ND		0.0050	0.0030	mg/L		08/27/24 11:33	09/04/24 18:10	5
Selenium	ND		0.0050	0.0040	mg/L		08/27/24 11:33	09/04/24 18:10	5
Silver	ND		0.0050	0.0025	mg/L		08/27/24 11:33	09/04/24 18:10	5

Lab Sample ID: LCS 885-11103/3-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 11103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0514		mg/L		103	80 - 120
Barium	0.0500	0.0572		mg/L		114	80 - 120
Cadmium	0.0500	0.0516		mg/L		103	80 - 120
Chromium	0.0500	0.0574		mg/L		115	80 - 120
Lead	0.0500	0.0457		mg/L		91	80 - 120
Selenium	0.0500	0.0528		mg/L		106	80 - 120
Silver	0.0250	0.0270		mg/L		108	80 - 120

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LLCS 885-11232/4-A
Matrix: Water
Analysis Batch: 11683

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 11232

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	ND		mg/L		82	
Barium	0.00100	ND		mg/L		125	
Cadmium	0.00100	ND		mg/L		70	
Chromium	0.00100	ND		mg/L		133	
Lead	0.00100	ND		mg/L		107	
Selenium	0.00100	ND		mg/L		134	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-11406/9-A
Matrix: Water
Analysis Batch: 11467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11406

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000153	J	mg/L		102	50 - 150

Lab Sample ID: MB 885-11408/1-A
Matrix: Water
Analysis Batch: 11467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		08/30/24 11:00	08/31/24 13:45	1

Lab Sample ID: LCS 885-11408/3-A
Matrix: Water
Analysis Batch: 11467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00490		mg/L		98	85 - 115

Lab Sample ID: LLCS 885-11408/2-A
Matrix: Water
Analysis Batch: 11467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11408

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000147	J	mg/L		98	50 - 150

Lab Sample ID: MRL 885-11662/9-A
Matrix: Water
Analysis Batch: 11878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11662

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000131	J	mg/L		87	50 - 150

Lab Sample ID: MB 885-11663/1-A
Matrix: Water
Analysis Batch: 11878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/05/24 12:25	09/09/24 12:12	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 885-11663/3-A
Matrix: Water
Analysis Batch: 11878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11663

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00488		mg/L		98	85 - 115		

Lab Sample ID: LLCS 885-11663/2-A
Matrix: Water
Analysis Batch: 11878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11663

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.000150	ND		mg/L		76	50 - 150		

Lab Sample ID: MRL 885-11978/19-A
Matrix: Water
Analysis Batch: 12243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11978

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.000150	0.000121	J	mg/L		80	50 - 150		

Lab Sample ID: MB 885-11979/1-A
Matrix: Water
Analysis Batch: 12243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/11/24 07:27	09/13/24 12:00	1

Lab Sample ID: LCS 885-11979/3-A
Matrix: Water
Analysis Batch: 12243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11979

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00493		mg/L		99	85 - 115		

Lab Sample ID: LLCS 885-11979/2-A
Matrix: Water
Analysis Batch: 12243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11979

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.000150	0.000126	J	mg/L		84	50 - 150		

Lab Sample ID: 885-10613-2 MS
Matrix: Water
Analysis Batch: 12243

Client Sample ID: MW-26
Prep Type: Total/NA
Prep Batch: 11979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00500	0.00472		mg/L		94	75 - 125		

Lab Sample ID: 885-10613-2 MSD
Matrix: Water
Analysis Batch: 12243

Client Sample ID: MW-26
Prep Type: Total/NA
Prep Batch: 11979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00474		mg/L		95	75 - 125	1	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 885-10613-1 MS
Matrix: Water
Analysis Batch: 11878

Client Sample ID: MW-31
Prep Type: Dissolved
Prep Batch: 11663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00500	0.00463		mg/L		93	75 - 125

Lab Sample ID: 885-10613-1 MSD
Matrix: Water
Analysis Batch: 11878

Client Sample ID: MW-31
Prep Type: Dissolved
Prep Batch: 11663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.00463		mg/L		93	75 - 125	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-11715/2
Matrix: Water
Analysis Batch: 11715

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			09/05/24 12:28	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			09/05/24 12:28	1
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			09/05/24 12:28	1

Lab Sample ID: LCS 885-11715/3
Matrix: Water
Analysis Batch: 11715

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	78.9		mg/L		93	90 - 110

Lab Sample ID: MRL 885-11715/1
Matrix: Water
Analysis Batch: 11715

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.2		mg/L		109	50 - 150

Lab Sample ID: 885-10613-1 DU
Matrix: Water
Analysis Batch: 11715

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	900		940		mg/L		4	20
Bicarbonate Alkalinity as CaCO3	900		940		mg/L		4	
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	

Lab Sample ID: MB 885-11780/2
Matrix: Water
Analysis Batch: 11780

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	20	mg/L			09/06/24 12:36	1
Bicarbonate Alkalinity as CaCO3	ND		20	20	mg/L			09/06/24 12:36	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 885-11780/2
Matrix: Water
Analysis Batch: 11780

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	ND		2.0	2.0	mg/L			09/06/24 12:36	1

Lab Sample ID: LCS 885-11780/3
Matrix: Water
Analysis Batch: 11780

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	78.8		mg/L		93	90 - 110

Lab Sample ID: MRL 885-11780/1
Matrix: Water
Analysis Batch: 11780

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.4		mg/L		106	50 - 150

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-11718/2
Matrix: Water
Analysis Batch: 11718

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			09/05/24 12:28	1

Lab Sample ID: 885-10613-1 DU
Matrix: Water
Analysis Batch: 11718

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Carbon dioxide	830	HF	863		mg/L		4	

Lab Sample ID: MB 885-11917/2
Matrix: Water
Analysis Batch: 11917

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			09/06/24 12:36	1

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

GC/MS VOA

Analysis Batch: 11469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	8260B	
885-10613-2	MW-26	Total/NA	Water	8260B	
885-10613-3	MW-37	Total/NA	Water	8260B	
MB 885-11469/4	Method Blank	Total/NA	Water	8260B	
STOBLK 885-11469/19	Method Blank	Total/NA	Water	8260B	
LCS 885-11469/3	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 11387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	8015M/D	
885-10613-2	MW-26	Total/NA	Water	8015M/D	
885-10613-3	MW-37	Total/NA	Water	8015M/D	
MB 885-11387/14	Method Blank	Total/NA	Water	8015M/D	
LCS 885-11387/13	Lab Control Sample	Total/NA	Water	8015M/D	

GC Semi VOA

Prep Batch: 11288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	3510C	
885-10613-2	MW-26	Total/NA	Water	3510C	
885-10613-3	MW-37	Total/NA	Water	3510C	
MB 885-11288/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-11288/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-11288/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 11911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	8015M/D	11288
885-10613-2	MW-26	Total/NA	Water	8015M/D	11288
885-10613-3	MW-37	Total/NA	Water	8015M/D	11288
MB 885-11288/1-A	Method Blank	Total/NA	Water	8015M/D	11288
LCS 885-11288/2-A	Lab Control Sample	Total/NA	Water	8015M/D	11288
LCSD 885-11288/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	11288

HPLC/IC

Analysis Batch: 11156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	300.0	
885-10613-2	MW-26	Total/NA	Water	300.0	
885-10613-2	MW-26	Total/NA	Water	300.0	
885-10613-3	MW-37	Total/NA	Water	300.0	
885-10613-3	MW-37	Total/NA	Water	300.0	
MB 885-11156/11	Method Blank	Total/NA	Water	300.0	
LCS 885-11156/12	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11156/10	Lab Control Sample	Total/NA	Water	300.0	
885-10613-1 MS	MW-31	Total/NA	Water	300.0	
885-10613-1 MSD	MW-31	Total/NA	Water	300.0	

QC Association Summary

Client: Ensolum LLC Job ID: 885-10613-1
Project/Site: Bloomfield Terminal

HPLC/IC

Analysis Batch: 11157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	300.0	
885-10613-2	MW-26	Total/NA	Water	300.0	
885-10613-3	MW-37	Total/NA	Water	300.0	
MB 885-11157/11	Method Blank	Total/NA	Water	300.0	
LCS 885-11157/12	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-11157/10	Lab Control Sample	Total/NA	Water	300.0	
885-10613-1 MS	MW-31	Total/NA	Water	300.0	
885-10613-1 MSD	MW-31	Total/NA	Water	300.0	

Metals

Prep Batch: 10892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10892/1-A	Method Blank	Total Recoverable	Water	3050B	
LCS 885-10892/3-A	Lab Control Sample	Total Recoverable	Water	3050B	

Prep Batch: 10895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-10895/1-A	Method Blank	Total Recoverable	Water	3050B	
LCS 885-10895/3-A	Lab Control Sample	Total Recoverable	Water	3050B	

Prep Batch: 11102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-11102/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-11102/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 11103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-11103/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-11103/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 11232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total Recoverable	Water	3005A	
885-10613-2	MW-26	Total Recoverable	Water	3005A	
885-10613-3	MW-37	Total Recoverable	Water	3005A	
LLCS 885-11232/4-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 11406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-11406/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 11408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Dissolved	Water	7470A	
885-10613-2	MW-26	Dissolved	Water	7470A	
885-10613-3	MW-37	Dissolved	Water	7470A	
MB 885-11408/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-11408/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-11408/2-A	Lab Control Sample	Total/NA	Water	7470A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Metals

Analysis Batch: 11467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Dissolved	Water	7470A	11408
885-10613-2	MW-26	Dissolved	Water	7470A	11408
885-10613-3	MW-37	Dissolved	Water	7470A	11408
MB 885-11408/1-A	Method Blank	Total/NA	Water	7470A	11408
LCS 885-11408/3-A	Lab Control Sample	Total/NA	Water	7470A	11408
LLCS 885-11408/2-A	Lab Control Sample	Total/NA	Water	7470A	11408
MRL 885-11406/9-A	Lab Control Sample	Total/NA	Water	7470A	11406

Prep Batch: 11662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-11662/9-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 11663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	7470A	
MB 885-11663/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-11663/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-11663/2-A	Lab Control Sample	Total/NA	Water	7470A	
885-10613-1 MS	MW-31	Dissolved	Water	7470A	
885-10613-1 MSD	MW-31	Dissolved	Water	7470A	

Analysis Batch: 11683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total Recoverable	Water	6020A	11232
885-10613-2	MW-26	Total Recoverable	Water	6020A	11232
885-10613-3	MW-37	Total Recoverable	Water	6020A	11232
MB 885-10892/1-A	Method Blank	Total Recoverable	Water	6020A	10892
MB 885-10895/1-A	Method Blank	Total Recoverable	Water	6020A	10895
MB 885-11102/1-A	Method Blank	Total Recoverable	Water	6020A	11102
MB 885-11103/1-A	Method Blank	Total Recoverable	Water	6020A	11103
LCS 885-10892/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10892
LCS 885-10895/3-A	Lab Control Sample	Total Recoverable	Water	6020A	10895
LCS 885-11102/3-A	Lab Control Sample	Total Recoverable	Water	6020A	11102
LCS 885-11103/3-A	Lab Control Sample	Total Recoverable	Water	6020A	11103
LLCS 885-11232/4-A	Lab Control Sample	Total Recoverable	Water	6020A	11232
MRL 885-11683/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Dissolved	Water	6020A	
885-10613-2	MW-26	Dissolved	Water	6020A	
885-10613-2	MW-26	Dissolved	Water	6020A	
885-10613-3	MW-37	Dissolved	Water	6020A	
MB 885-11856/18	Method Blank	Total/NA	Water	6020A	
LCS 885-11856/27	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-11856/28	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-11856/9	Lab Control Sample	Total/NA	Water	6020A	

Analysis Batch: 11878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	7470A	11663

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Metals (Continued)

Analysis Batch: 11878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-11663/1-A	Method Blank	Total/NA	Water	7470A	11663
LCS 885-11663/3-A	Lab Control Sample	Total/NA	Water	7470A	11663
LLCS 885-11663/2-A	Lab Control Sample	Total/NA	Water	7470A	11663
MRL 885-11662/9-A	Lab Control Sample	Total/NA	Water	7470A	11662
885-10613-1 MS	MW-31	Dissolved	Water	7470A	11663
885-10613-1 MSD	MW-31	Dissolved	Water	7470A	11663

Prep Batch: 11978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-11978/19-A	Lab Control Sample	Total/NA	Water	245.1	

Prep Batch: 11979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-2	MW-26	Total/NA	Water	7470A	
885-10613-3	MW-37	Total/NA	Water	7470A	
MB 885-11979/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-11979/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-11979/2-A	Lab Control Sample	Total/NA	Water	7470A	
885-10613-2 MS	MW-26	Total/NA	Water	7470A	
885-10613-2 MSD	MW-26	Total/NA	Water	7470A	

Analysis Batch: 12129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Dissolved	Water	6010B	
885-10613-1	MW-31	Dissolved	Water	6010B	
885-10613-2	MW-26	Dissolved	Water	6010B	
885-10613-2	MW-26	Dissolved	Water	6010B	
885-10613-3	MW-37	Dissolved	Water	6010B	
885-10613-3	MW-37	Dissolved	Water	6010B	
MB 885-12129/81	Method Blank	Total/NA	Water	6010B	
LCS 885-12129/83	Lab Control Sample	Total/NA	Water	6010B	
LCSD 885-12129/84	Lab Control Sample Dup	Total/NA	Water	6010B	
MRL 885-12129/14	Lab Control Sample	Total/NA	Water	6010B	

Analysis Batch: 12243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-2	MW-26	Total/NA	Water	7470A	11979
885-10613-3	MW-37	Total/NA	Water	7470A	11979
MB 885-11979/1-A	Method Blank	Total/NA	Water	7470A	11979
LCS 885-11979/3-A	Lab Control Sample	Total/NA	Water	7470A	11979
LLCS 885-11979/2-A	Lab Control Sample	Total/NA	Water	7470A	11979
MRL 885-11978/19-A	Lab Control Sample	Total/NA	Water	7470A	11978
885-10613-2 MS	MW-26	Total/NA	Water	7470A	11979
885-10613-2 MSD	MW-26	Total/NA	Water	7470A	11979

Analysis Batch: 12341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Dissolved	Water	6020A	
885-10613-1	MW-31	Total Recoverable	Water	6020A	11232
885-10613-2	MW-26	Dissolved	Water	6020A	
885-10613-2	MW-26	Total Recoverable	Water	6020A	11232

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Metals (Continued)

Analysis Batch: 12341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-2	MW-26	Total Recoverable	Water	6020A	11232
885-10613-3	MW-37	Dissolved	Water	6020A	
885-10613-3	MW-37	Total Recoverable	Water	6020A	11232
MB 885-12341/14	Method Blank	Total/NA	Water	6020A	
LCS 885-12341/23	Lab Control Sample	Total/NA	Water	6020A	
LCSD 885-12341/18	Lab Control Sample Dup	Total/NA	Water	6020A	
MRL 885-12341/9	Lab Control Sample	Total/NA	Water	6020A	

General Chemistry

Analysis Batch: 11715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	SM 2320B	
885-10613-3	MW-37	Total/NA	Water	SM 2320B	
MB 885-11715/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11715/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11715/1	Lab Control Sample	Total/NA	Water	SM 2320B	
885-10613-1 DU	MW-31	Total/NA	Water	SM 2320B	

Analysis Batch: 11718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-1	MW-31	Total/NA	Water	SM 4500 CO2 D	
885-10613-3	MW-37	Total/NA	Water	SM 4500 CO2 D	
MB 885-11718/2	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11718/3	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11718/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
885-10613-1 DU	MW-31	Total/NA	Water	SM 4500 CO2 D	

Analysis Batch: 11780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-2	MW-26	Total/NA	Water	SM 2320B	
MB 885-11780/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-11780/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-11780/1	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 11917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10613-2	MW-26	Total/NA	Water	SM 4500 CO2 D	
MB 885-11917/2	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11917/3	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11917/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-10613-1
Project/Site: Bloomfield Terminal

Client Sample ID: MW-31
Lab Sample ID: 885-10613-1
Date Collected: 08/26/24 12:15
Matrix: Water
Date Received: 08/27/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11469	CM	EET ALB	09/03/24 15:24
Total/NA	Analysis	8015M/D		1	11387	JP	EET ALB	08/29/24 21:32
Total/NA	Prep	3510C			11288	JM	EET ALB	08/29/24 09:11
Total/NA	Analysis	8015M/D		1	11911	KR	EET ALB	09/10/24 18:53
Total/NA	Analysis	300.0		10	11156	RC	EET ALB	08/27/24 17:45
Total/NA	Analysis	300.0		10	11157	RC	EET ALB	08/27/24 17:45
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 11:37
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 11:40
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:49
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 12:22
Total Recoverable	Prep	3005A			11232	JF	EET ALB	08/28/24 16:21
Total Recoverable	Analysis	6020A		5	11683	BV	EET ALB	09/04/24 18:35
Total Recoverable	Prep	3005A			11232	JF	EET ALB	08/28/24 16:21
Total Recoverable	Analysis	6020A		10	12341	BV	EET ALB	09/16/24 13:02
Dissolved	Prep	7470A			11408	JE	EET ALB	08/30/24 11:01
Dissolved	Analysis	7470A		1	11467	TM	EET ALB	08/31/24 16:19
Total/NA	Prep	7470A			11663	JR	EET ALB	09/05/24 12:25
Total/NA	Analysis	7470A		1	11878	JR	EET ALB	09/09/24 13:05
Total/NA	Analysis	SM 2320B		1	11715	DL	EET ALB	09/05/24 15:56
Total/NA	Analysis	SM 4500 CO2 D		1	11718	DL	EET ALB	09/05/24 15:56

Client Sample ID: MW-26
Lab Sample ID: 885-10613-2
Date Collected: 08/26/24 11:31
Matrix: Water
Date Received: 08/27/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	11469	CM	EET ALB	09/03/24 15:48
Total/NA	Analysis	8015M/D		5	11387	JP	EET ALB	08/29/24 21:56
Total/NA	Prep	3510C			11288	JM	EET ALB	08/29/24 09:11
Total/NA	Analysis	8015M/D		1	11911	KR	EET ALB	09/10/24 19:17
Total/NA	Analysis	300.0		10	11156	RC	EET ALB	08/27/24 19:00
Total/NA	Analysis	300.0		10	11157	RC	EET ALB	08/27/24 19:00
Total/NA	Analysis	300.0		100	11156	RC	EET ALB	08/27/24 19:12
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 11:45
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 11:47
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:54
Dissolved	Analysis	6020A		50	11856	BV	EET ALB	09/06/24 14:30
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 12:26
Total Recoverable	Prep	3005A			11232	JF	EET ALB	08/28/24 16:21
Total Recoverable	Analysis	6020A		5	11683	BV	EET ALB	09/04/24 18:40
Total Recoverable	Prep	3005A			11232	JF	EET ALB	08/28/24 16:21
Total Recoverable	Analysis	6020A		10	12341	BV	EET ALB	09/16/24 13:06

Lab Chronicle

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10613-1

Client Sample ID: MW-26

Date Collected: 08/26/24 11:31
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			11232	JF	EET ALB	08/28/24 16:21
Total Recoverable	Analysis	6020A		50	12341	BV	EET ALB	09/16/24 14:46
Dissolved	Prep	7470A			11408	JE	EET ALB	08/30/24 11:01
Dissolved	Analysis	7470A		1	11467	TM	EET ALB	08/31/24 16:22
Total/NA	Prep	7470A			11979	JE	EET ALB	09/11/24 07:28
Total/NA	Analysis	7470A		1	12243	JR	EET ALB	09/13/24 12:25
Total/NA	Analysis	SM 2320B		2.5	11780	DL	EET ALB	09/06/24 14:38
Total/NA	Analysis	SM 4500 CO2 D		2.5	11917	DL	EET ALB	09/06/24 14:38

Client Sample ID: MW-37

Date Collected: 08/26/24 10:45
Date Received: 08/27/24 07:15

Lab Sample ID: 885-10613-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11469	CM	EET ALB	09/03/24 16:13
Total/NA	Analysis	8015M/D		1	11387	JP	EET ALB	08/29/24 22:19
Total/NA	Prep	3510C			11288	JM	EET ALB	08/29/24 09:11
Total/NA	Analysis	8015M/D		1	11911	KR	EET ALB	09/10/24 19:41
Total/NA	Analysis	300.0		10	11156	RC	EET ALB	08/27/24 19:24
Total/NA	Analysis	300.0		10	11157	RC	EET ALB	08/27/24 19:24
Total/NA	Analysis	300.0		100	11156	RC	EET ALB	08/27/24 19:37
Dissolved	Analysis	6010B		1	12129	VP	EET ALB	09/12/24 11:52
Dissolved	Analysis	6010B		10	12129	VP	EET ALB	09/12/24 11:54
Dissolved	Analysis	6020A		20	11856	BV	EET ALB	09/06/24 13:58
Dissolved	Analysis	6020A		20	12341	BV	EET ALB	09/16/24 12:30
Total Recoverable	Prep	3005A			11232	JF	EET ALB	08/28/24 16:21
Total Recoverable	Analysis	6020A		5	11683	BV	EET ALB	09/04/24 18:44
Total Recoverable	Prep	3005A			11232	JF	EET ALB	08/28/24 16:21
Total Recoverable	Analysis	6020A		10	12341	BV	EET ALB	09/16/24 13:11
Dissolved	Prep	7470A			11408	JE	EET ALB	08/30/24 11:01
Dissolved	Analysis	7470A		1	11467	TM	EET ALB	08/31/24 16:24
Total/NA	Prep	7470A			11979	JE	EET ALB	09/11/24 07:28
Total/NA	Analysis	7470A		1	12243	JR	EET ALB	09/13/24 12:32
Total/NA	Analysis	SM 2320B		1	11715	DL	EET ALB	09/05/24 17:33
Total/NA	Analysis	SM 4500 CO2 D		1	11718	DL	EET ALB	09/05/24 17:33

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-10613-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B		Water	Calcium
6010B		Water	Iron
6010B		Water	Magnesium
6010B		Water	Manganese
6010B		Water	Potassium
6010B		Water	Sodium
6010B		Water	Zinc
6020A		Water	Arsenic
6020A		Water	Barium
6020A		Water	Cadmium
6020A		Water	Chromium
6020A		Water	Copper
6020A		Water	Lead
6020A		Water	Selenium
6020A		Water	Silver
6020A		Water	Uranium
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-10613-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)

Accreditation/Certification Summary

Client: Ensolum LLC Job ID: 885-10613-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 CO2 D		Water	Carbon dioxide

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albequerque
4901 Hawkins NE
Albuquerque NM 87109
Phone: (505) 345-3975

Chain of Custody Record

eurofins | Env Am

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environm 885-10613 COC

Client Contact	Project Manager: Devin Hencmann	Site Contact: Eric Carroll	Date: 8/26/24	COC No:
Ensolum LLC	Email: dhencmann@ensolum.com	Lab Contact: Andy Freeman	Carrier:	_____ of _____ COCs
776 E 2nd Avenue	Tel/Fax: 970-403-6023			TALS Project #:
Durango/CO/81301	Analysis Turnaround Time			Sampler:
(903) 821-5603 Phone	☒ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Bloomfield Terminal	☒ 2 weeks			Lab Sampling:
Site: -	☐ 1 week			
P O # 07A2015013	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs (EPA Method 8260)	VOCs Target List (Method 8260)	SVOCs (Method 8270)	TPH - DRO/MRO (Method 8015DR	TPH- GRO (8015DROLL)	Total Recoverable Metals (6010/7470)	Total Dissolved Metals (6010/7470	Alkalinity (310.1)	Anions (300.0)	Carbon Dioxide (310.1)	Sample Specific Notes:
MW-31	8-26	12:15	G	GW		Y		X			X	X	X	X	X	X	X	1
MW-26	↓	11:31	↓	↓		Y		X			X	X	X	X	X	X	X	
MW-37	↓	10:45	↓	↓		Y		X			X	X	X	X	X	X	X	
								2	7	1	6	1	4	4	1/3	3	1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: cc: ecarroll@ensolum.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.0 Corr'd: 2.7 | Therm ID No.: chucky

Relinquished by: Eric Carroll	Company: Ensolum	Date/Time: 8-26 1649	Received by: Matt Walk	Company: Eurofins	Date/Time: 8/26/24 1649
Relinquished by: Chet Wac	Company: Eurofins	Date/Time: 8/26/24 1724	Received by:	Company: courier	Date/Time: 8/27/24 7:15
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-10613-1

Login Number: 10613 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Devin Hencmann
Ensolum LLC
776 E 2nd Avenue
Durango, Colorado 81301

Generated 9/20/2024 3:24:38 PM

JOB DESCRIPTION

Bloomfield Terminal

JOB NUMBER

885-10691-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 1:04:15 PM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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9/20/2024 3:24:38 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-10691-1

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Definitions/Glossary

Client: Ensolum LLC Job ID: 885-10691-1
Project/Site: Bloomfield Terminal

Qualifiers

GC/MS VOA

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

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ensolum LLC
Project: Bloomfield Terminal

Job ID: 885-10691-1

Job ID: 885-10691-1 Eurofins Albuquerque

Job Narrative
885-10691-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/28/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

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

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

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

Diesel Range Organics
Method 8015D_DRO_LL: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 885-11288 and analytical batch 885-11911 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28].

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

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

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

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Client Sample ID: TP-6

Date Collected: 08/27/24 11:15
Date Received: 08/28/24 07:30

Lab Sample ID: 885-10691-1

Matrix: Water

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.12		0.050	0.013	mg/L			08/29/24 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*15 - 270*		*08/29/24 20:45*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.54	J	1.0	0.18	ug/L			08/29/24 20:45	1
Ethylbenzene	0.31	J	1.0	0.14	ug/L			08/29/24 20:45	1
Methyl-tert-butyl Ether (MTBE)	ND		2.5	0.43	ug/L			08/29/24 20:45	1
Toluene	ND		1.0	0.21	ug/L			08/29/24 20:45	1
Xylenes, Total	ND		2.0	0.31	ug/L			08/29/24 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*43 - 158*		*08/29/24 20:45*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.19	*1	0.19	0.067	mg/L		08/29/24 09:11	09/10/24 20:05	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*33 - 159*	*08/29/24 09:11*	*09/10/24 20:05*	*1*

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0060	mg/L		09/04/24 15:22	09/13/24 14:42	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Client Sample ID: DW-3

Date Collected: 08/27/24 12:15
Date Received: 08/28/24 07:30

Lab Sample ID: 885-10691-2

Matrix: Water

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	0.049	J	0.050	0.013	mg/L			08/29/24 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 270*		*08/29/24 21:09*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.44	J	1.0	0.18	ug/L			08/29/24 21:09	1
Ethylbenzene	0.37	J	1.0	0.14	ug/L			08/29/24 21:09	1
Methyl-tert-butyl Ether (MTBE)	ND		2.5	0.43	ug/L			08/29/24 21:09	1
Toluene	0.26	J	1.0	0.21	ug/L			08/29/24 21:09	1
Xylenes, Total	0.31	J	2.0	0.31	ug/L			08/29/24 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*43 - 158*		*08/29/24 21:09*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	0.14	J *1	0.19	0.067	mg/L		08/29/24 09:11	09/10/24 20:29	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*117*		*33 - 159*	*08/29/24 09:11*	*09/10/24 20:29*	*1*

Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0060	mg/L		09/04/24 15:22	09/13/24 14:18	10

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Client Sample ID: CW 0+60

Date Collected: 08/27/24 13:25
Date Received: 08/28/24 07:30

Lab Sample ID: 885-10691-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.3	ug/L			09/03/24 16:37	5
1,1,1-Trichloroethane	ND		5.0	0.41	ug/L			09/03/24 16:37	5
1,1,2,2-Tetrachloroethane	ND		10	1.4	ug/L			09/03/24 16:37	5
1,1,2-Trichloroethane	ND		5.0	0.99	ug/L			09/03/24 16:37	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			09/03/24 16:37	5
1,1-Dichloroethene	ND		5.0	1.0	ug/L			09/03/24 16:37	5
1,1-Dichloropropene	ND		5.0	0.90	ug/L			09/03/24 16:37	5
1,2,3-Trichlorobenzene	ND		5.0	1.2	ug/L			09/03/24 16:37	5
1,2,3-Trichloropropane	ND		10	0.80	ug/L			09/03/24 16:37	5
1,2,4-Trichlorobenzene	ND		5.0	2.0	ug/L			09/03/24 16:37	5
1,2,4-Trimethylbenzene	ND		5.0	0.61	ug/L			09/03/24 16:37	5
1,2-Dibromo-3-Chloropropane	ND		10	2.9	ug/L			09/03/24 16:37	5
1,2-Dibromoethane (EDB)	ND		5.0	1.5	ug/L			09/03/24 16:37	5
1,2-Dichlorobenzene	ND		5.0	0.77	ug/L			09/03/24 16:37	5
1,2-Dichloroethane (EDC)	ND		5.0	1.5	ug/L			09/03/24 16:37	5
1,2-Dichloropropane	ND		5.0	1.0	ug/L			09/03/24 16:37	5
1,3,5-Trimethylbenzene	ND		5.0	0.91	ug/L			09/03/24 16:37	5
1,3-Dichlorobenzene	ND		5.0	0.81	ug/L			09/03/24 16:37	5
1,3-Dichloropropane	ND		5.0	0.90	ug/L			09/03/24 16:37	5
1,4-Dichlorobenzene	ND		5.0	0.52	ug/L			09/03/24 16:37	5
1-Methylnaphthalene	**29**		20	10	ug/L			09/03/24 16:37	5
2,2-Dichloropropane	ND		10	1.3	ug/L			09/03/24 16:37	5
2-Butanone	ND		50	10	ug/L			09/03/24 16:37	5
2-Chlorotoluene	ND		5.0	0.66	ug/L			09/03/24 16:37	5
2-Hexanone	ND		50	9.0	ug/L			09/03/24 16:37	5
2-Methylnaphthalene	**49**		20	10	ug/L			09/03/24 16:37	5
4-Chlorotoluene	ND		5.0	0.67	ug/L			09/03/24 16:37	5
4-Isopropyltoluene	ND		5.0	1.0	ug/L			09/03/24 16:37	5
4-Methyl-2-pentanone	ND		50	7.5	ug/L			09/03/24 16:37	5
Acetone	ND		50	13	ug/L			09/03/24 16:37	5
Benzene	**1.7**	**J**	5.0	1.1	ug/L			09/03/24 16:37	5
Bromobenzene	ND		5.0	1.4	ug/L			09/03/24 16:37	5
Bromodichloromethane	**4.0**	**J**	5.0	1.0	ug/L			09/03/24 16:37	5
Dibromochloromethane	ND		5.0	1.4	ug/L			09/03/24 16:37	5
Bromoform	ND		5.0	1.6	ug/L			09/03/24 16:37	5
Bromomethane	ND		15	5.0	ug/L			09/03/24 16:37	5
Carbon disulfide	ND		50	5.0	ug/L			09/03/24 16:37	5
Carbon tetrachloride	ND		5.0	0.88	ug/L			09/03/24 16:37	5
Chlorobenzene	ND		5.0	2.3	ug/L			09/03/24 16:37	5
Chloroethane	ND		10	1.9	ug/L			09/03/24 16:37	5
Chloroform	ND		5.0	1.3	ug/L			09/03/24 16:37	5
Chloromethane	ND		15	2.1	ug/L			09/03/24 16:37	5
cis-1,2-Dichloroethene	ND		5.0	1.9	ug/L			09/03/24 16:37	5
cis-1,3-Dichloropropene	ND		5.0	0.58	ug/L			09/03/24 16:37	5
Dibromomethane	ND		5.0	1.5	ug/L			09/03/24 16:37	5
Dichlorodifluoromethane	ND		5.0	1.3	ug/L			09/03/24 16:37	5
Ethylbenzene	**1.2**	**J**	5.0	1.1	ug/L			09/03/24 16:37	5
Hexachlorobutadiene	ND		5.0	2.1	ug/L			09/03/24 16:37	5
Isopropylbenzene	**140**		5.0	0.91	ug/L			09/03/24 16:37	5

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Client Sample ID: CW 0+60

Date Collected: 08/27/24 13:25
Date Received: 08/28/24 07:30

Lab Sample ID: 885-10691-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	**3.0**	**J**	5.0	2.0	ug/L			09/03/24 16:37	5
Methylene Chloride	ND		15	6.2	ug/L			09/03/24 16:37	5
n-Butylbenzene	**2.5**	**J**	15	0.63	ug/L			09/03/24 16:37	5
N-Propylbenzene	**100**		5.0	0.55	ug/L			09/03/24 16:37	5
Naphthalene	**180**		10	1.2	ug/L			09/03/24 16:37	5
sec-Butylbenzene	**17**		5.0	0.72	ug/L			09/03/24 16:37	5
Styrene	ND		5.0	0.68	ug/L			09/03/24 16:37	5
tert-Butylbenzene	**3.8**	**J**	5.0	1.2	ug/L			09/03/24 16:37	5
Tetrachloroethene (PCE)	ND		5.0	0.89	ug/L			09/03/24 16:37	5
Toluene	ND		5.0	1.3	ug/L			09/03/24 16:37	5
trans-1,2-Dichloroethene	ND		5.0	0.97	ug/L			09/03/24 16:37	5
trans-1,3-Dichloropropene	ND		5.0	1.7	ug/L			09/03/24 16:37	5
Trichloroethene (TCE)	ND		5.0	1.0	ug/L			09/03/24 16:37	5
Trichlorofluoromethane	ND		5.0	0.79	ug/L			09/03/24 16:37	5
Vinyl chloride	ND		5.0	1.6	ug/L			09/03/24 16:37	5
Xylenes, Total	ND		7.5	1.9	ug/L			09/03/24 16:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*09/03/24 16:37*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*09/03/24 16:37*	*5*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/03/24 16:37*	*5*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*09/03/24 16:37*	*5*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.5**	***1**	0.19	0.067	mg/L		08/29/24 09:11	09/10/24 21:17	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*33 - 159*	*08/29/24 09:11*	*09/10/24 21:17*	*1*

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Client Sample ID: Jungle Seep

Date Collected: 08/27/24 13:40
Date Received: 08/28/24 07:30

Lab Sample ID: 885-10691-4

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide (SM 4500 CO2 D)	160	HF	23	23	mg/L			09/05/24 19:34	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Client Sample ID: Trip Blank

Date Collected: 08/27/24 13:45
Date Received: 08/28/24 07:30

Lab Sample ID: 885-10691-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			09/03/24 17:02	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			09/03/24 17:02	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			09/03/24 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/03/24 17:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/03/24 17:02	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/03/24 17:02	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			09/03/24 17:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			09/03/24 17:02	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			09/03/24 17:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			09/03/24 17:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			09/03/24 17:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			09/03/24 17:02	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			09/03/24 17:02	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/03/24 17:02	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			09/03/24 17:02	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/03/24 17:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			09/03/24 17:02	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			09/03/24 17:02	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			09/03/24 17:02	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			09/03/24 17:02	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 17:02	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			09/03/24 17:02	1
2-Butanone	ND		10	2.0	ug/L			09/03/24 17:02	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 17:02	1
2-Hexanone	ND		10	1.8	ug/L			09/03/24 17:02	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 17:02	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 17:02	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/03/24 17:02	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			09/03/24 17:02	1
Acetone	ND		10	2.5	ug/L			09/03/24 17:02	1
Benzene	ND		1.0	0.23	ug/L			09/03/24 17:02	1
Bromobenzene	ND		1.0	0.28	ug/L			09/03/24 17:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/03/24 17:02	1
Dibromochloromethane	ND		1.0	0.28	ug/L			09/03/24 17:02	1
Bromoform	ND		1.0	0.31	ug/L			09/03/24 17:02	1
Bromomethane	ND		3.0	1.0	ug/L			09/03/24 17:02	1
Carbon disulfide	ND		10	1.0	ug/L			09/03/24 17:02	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			09/03/24 17:02	1
Chlorobenzene	ND		1.0	0.46	ug/L			09/03/24 17:02	1
Chloroethane	ND		2.0	0.38	ug/L			09/03/24 17:02	1
Chloroform	ND		1.0	0.25	ug/L			09/03/24 17:02	1
Chloromethane	ND		3.0	0.41	ug/L			09/03/24 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			09/03/24 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			09/03/24 17:02	1
Dibromomethane	ND		1.0	0.31	ug/L			09/03/24 17:02	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			09/03/24 17:02	1
Ethylbenzene	ND		1.0	0.21	ug/L			09/03/24 17:02	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			09/03/24 17:02	1
Isopropylbenzene	ND		1.0	0.18	ug/L			09/03/24 17:02	1

Client Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Client Sample ID: Trip Blank
Date Collected: 08/27/24 13:45
Date Received: 08/28/24 07:30

Lab Sample ID: 885-10691-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			09/03/24 17:02	1
Methylene Chloride	ND		3.0	1.2	ug/L			09/03/24 17:02	1
n-Butylbenzene	ND		3.0	0.13	ug/L			09/03/24 17:02	1
N-Propylbenzene	ND		1.0	0.11	ug/L			09/03/24 17:02	1
Naphthalene	**0.27**	**J**	2.0	0.24	ug/L			09/03/24 17:02	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			09/03/24 17:02	1
Styrene	ND		1.0	0.14	ug/L			09/03/24 17:02	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			09/03/24 17:02	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			09/03/24 17:02	1
Toluene	ND		1.0	0.25	ug/L			09/03/24 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			09/03/24 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			09/03/24 17:02	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			09/03/24 17:02	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			09/03/24 17:02	1
Vinyl chloride	ND		1.0	0.32	ug/L			09/03/24 17:02	1
Xylenes, Total	ND		1.5	0.37	ug/L			09/03/24 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*09/03/24 17:02*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*09/03/24 17:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*09/03/24 17:02*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*09/03/24 17:02*	*1*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-11469/4
Matrix: Water
Analysis Batch: 11469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			09/03/24 11:20	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			09/03/24 11:20	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			09/03/24 11:20	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/03/24 11:20	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/03/24 11:20	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/03/24 11:20	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			09/03/24 11:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			09/03/24 11:20	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			09/03/24 11:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			09/03/24 11:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			09/03/24 11:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			09/03/24 11:20	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			09/03/24 11:20	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/03/24 11:20	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			09/03/24 11:20	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/03/24 11:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			09/03/24 11:20	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			09/03/24 11:20	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			09/03/24 11:20	1
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			09/03/24 11:20	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 11:20	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			09/03/24 11:20	1
2-Butanone	ND		10	2.0	ug/L			09/03/24 11:20	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 11:20	1
2-Hexanone	ND		10	1.8	ug/L			09/03/24 11:20	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 11:20	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 11:20	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/03/24 11:20	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			09/03/24 11:20	1
Acetone	ND		10	2.5	ug/L			09/03/24 11:20	1
Benzene	ND		1.0	0.23	ug/L			09/03/24 11:20	1
Bromobenzene	ND		1.0	0.28	ug/L			09/03/24 11:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/03/24 11:20	1
Dibromochloromethane	ND		1.0	0.28	ug/L			09/03/24 11:20	1
Bromoform	ND		1.0	0.31	ug/L			09/03/24 11:20	1
Bromomethane	ND		3.0	1.0	ug/L			09/03/24 11:20	1
Carbon disulfide	ND		10	1.0	ug/L			09/03/24 11:20	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			09/03/24 11:20	1
Chlorobenzene	ND		1.0	0.46	ug/L			09/03/24 11:20	1
Chloroethane	ND		2.0	0.38	ug/L			09/03/24 11:20	1
Chloroform	ND		1.0	0.25	ug/L			09/03/24 11:20	1
Chloromethane	ND		3.0	0.41	ug/L			09/03/24 11:20	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			09/03/24 11:20	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			09/03/24 11:20	1
Dibromomethane	ND		1.0	0.31	ug/L			09/03/24 11:20	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			09/03/24 11:20	1
Ethylbenzene	ND		1.0	0.21	ug/L			09/03/24 11:20	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			09/03/24 11:20	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

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

Lab Sample ID: MB 885-11469/4
Matrix: Water
Analysis Batch: 11469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.18	ug/L			09/03/24 11:20	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			09/03/24 11:20	1
Methylene Chloride	ND		3.0	1.2	ug/L			09/03/24 11:20	1
n-Butylbenzene	ND		3.0	0.13	ug/L			09/03/24 11:20	1
N-Propylbenzene	ND		1.0	0.11	ug/L			09/03/24 11:20	1
Naphthalene	ND		2.0	0.24	ug/L			09/03/24 11:20	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			09/03/24 11:20	1
Styrene	ND		1.0	0.14	ug/L			09/03/24 11:20	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			09/03/24 11:20	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			09/03/24 11:20	1
Toluene	ND		1.0	0.25	ug/L			09/03/24 11:20	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			09/03/24 11:20	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			09/03/24 11:20	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			09/03/24 11:20	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			09/03/24 11:20	1
Vinyl chloride	ND		1.0	0.32	ug/L			09/03/24 11:20	1
Xylenes, Total	ND		1.5	0.37	ug/L			09/03/24 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*09/03/24 11:20*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*09/03/24 11:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*09/03/24 11:20*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*09/03/24 11:20*	*1*

Lab Sample ID: STOBLK 885-11469/19
Matrix: Water
Analysis Batch: 11469

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

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.27	ug/L			09/03/24 17:27	1
1,1,1-Trichloroethane	ND		1.0	0.081	ug/L			09/03/24 17:27	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.27	ug/L			09/03/24 17:27	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			09/03/24 17:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			09/03/24 17:27	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			09/03/24 17:27	1
1,1-Dichloropropene	ND		1.0	0.18	ug/L			09/03/24 17:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L			09/03/24 17:27	1
1,2,3-Trichloropropane	ND		2.0	0.16	ug/L			09/03/24 17:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.40	ug/L			09/03/24 17:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.12	ug/L			09/03/24 17:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.59	ug/L			09/03/24 17:27	1
1,2-Dibromoethane (EDB)	ND		1.0	0.30	ug/L			09/03/24 17:27	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			09/03/24 17:27	1
1,2-Dichloroethane (EDC)	ND		1.0	0.30	ug/L			09/03/24 17:27	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/03/24 17:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.18	ug/L			09/03/24 17:27	1
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L			09/03/24 17:27	1
1,3-Dichloropropane	ND		1.0	0.18	ug/L			09/03/24 17:27	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

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

Lab Sample ID: STOBLK 885-11469/19
Matrix: Water
Analysis Batch: 11469

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

Analyte	STOBLK Result	STOBLK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.10	ug/L			09/03/24 17:27	1
1-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 17:27	1
2,2-Dichloropropane	ND		2.0	0.26	ug/L			09/03/24 17:27	1
2-Butanone	ND		10	2.0	ug/L			09/03/24 17:27	1
2-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 17:27	1
2-Hexanone	ND		10	1.8	ug/L			09/03/24 17:27	1
2-Methylnaphthalene	ND		4.0	2.0	ug/L			09/03/24 17:27	1
4-Chlorotoluene	ND		1.0	0.13	ug/L			09/03/24 17:27	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			09/03/24 17:27	1
4-Methyl-2-pentanone	ND		10	1.5	ug/L			09/03/24 17:27	1
Acetone	ND		10	2.5	ug/L			09/03/24 17:27	1
Benzene	ND		1.0	0.23	ug/L			09/03/24 17:27	1
Bromobenzene	ND		1.0	0.28	ug/L			09/03/24 17:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			09/03/24 17:27	1
Dibromochloromethane	ND		1.0	0.28	ug/L			09/03/24 17:27	1
Bromoform	ND		1.0	0.31	ug/L			09/03/24 17:27	1
Bromomethane	ND		3.0	1.0	ug/L			09/03/24 17:27	1
Carbon disulfide	ND		10	1.0	ug/L			09/03/24 17:27	1
Carbon tetrachloride	ND		1.0	0.18	ug/L			09/03/24 17:27	1
Chlorobenzene	ND		1.0	0.46	ug/L			09/03/24 17:27	1
Chloroethane	ND		2.0	0.38	ug/L			09/03/24 17:27	1
Chloroform	ND		1.0	0.25	ug/L			09/03/24 17:27	1
Chloromethane	ND		3.0	0.41	ug/L			09/03/24 17:27	1
cis-1,2-Dichloroethene	ND		1.0	0.39	ug/L			09/03/24 17:27	1
cis-1,3-Dichloropropene	ND		1.0	0.12	ug/L			09/03/24 17:27	1
Dibromomethane	ND		1.0	0.31	ug/L			09/03/24 17:27	1
Dichlorodifluoromethane	ND		1.0	0.26	ug/L			09/03/24 17:27	1
Ethylbenzene	ND		1.0	0.21	ug/L			09/03/24 17:27	1
Hexachlorobutadiene	ND		1.0	0.42	ug/L			09/03/24 17:27	1
Isopropylbenzene	ND		1.0	0.18	ug/L			09/03/24 17:27	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	0.39	ug/L			09/03/24 17:27	1
Methylene Chloride	ND		3.0	1.2	ug/L			09/03/24 17:27	1
n-Butylbenzene	ND		3.0	0.13	ug/L			09/03/24 17:27	1
N-Propylbenzene	ND		1.0	0.11	ug/L			09/03/24 17:27	1
Naphthalene	ND		2.0	0.24	ug/L			09/03/24 17:27	1
sec-Butylbenzene	ND		1.0	0.14	ug/L			09/03/24 17:27	1
Styrene	ND		1.0	0.14	ug/L			09/03/24 17:27	1
tert-Butylbenzene	ND		1.0	0.24	ug/L			09/03/24 17:27	1
Tetrachloroethene (PCE)	ND		1.0	0.18	ug/L			09/03/24 17:27	1
Toluene	ND		1.0	0.25	ug/L			09/03/24 17:27	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			09/03/24 17:27	1
trans-1,3-Dichloropropene	ND		1.0	0.34	ug/L			09/03/24 17:27	1
Trichloroethene (TCE)	ND		1.0	0.20	ug/L			09/03/24 17:27	1
Trichlorofluoromethane	ND		1.0	0.16	ug/L			09/03/24 17:27	1
Vinyl chloride	ND		1.0	0.32	ug/L			09/03/24 17:27	1
Xylenes, Total	ND		1.5	0.37	ug/L			09/03/24 17:27	1

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

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

Lab Sample ID: STOBLK 885-11469/19
Matrix: Water
Analysis Batch: 11469

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

Surrogate	STOBLK %Recovery	STOBLK Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		09/03/24 17:27	1
Toluene-d8 (Surr)	92		70 - 130		09/03/24 17:27	1
4-Bromofluorobenzene (Surr)	102		70 - 130		09/03/24 17:27	1
Dibromofluoromethane (Surr)	115		70 - 130		09/03/24 17:27	1

Lab Sample ID: LCS 885-11469/3
Matrix: Water
Analysis Batch: 11469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.9		ug/L		104	70 - 130
Benzene	20.1	23.0		ug/L		114	70 - 130
Chlorobenzene	20.1	20.0		ug/L		100	70 - 130
Toluene	20.2	19.8		ug/L		98	70 - 130
Trichloroethene (TCE)	20.2	22.2		ug/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-11387/14
Matrix: Water
Analysis Batch: 11387

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		0.050	0.013	mg/L			08/29/24 12:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 270		08/29/24 12:33	1

Lab Sample ID: LCS 885-11387/13
Matrix: Water
Analysis Batch: 11387

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	0.500	0.513		mg/L		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	208		15 - 270

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-11388/7
Matrix: Water
Analysis Batch: 11388

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.18	ug/L			08/29/24 12:33	1
Ethylbenzene	ND		1.0	0.14	ug/L			08/29/24 12:33	1
Methyl-tert-butyl Ether (MTBE)	ND		2.5	0.43	ug/L			08/29/24 12:33	1
Toluene	ND		1.0	0.21	ug/L			08/29/24 12:33	1
Xylenes, Total	ND		2.0	0.31	ug/L			08/29/24 12:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*43 - 158*		*08/29/24 12:33*	*1*

Lab Sample ID: LCS 885-11388/6
Matrix: Water
Analysis Batch: 11388

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	18.6		ug/L		93	70 - 130
Ethylbenzene	20.0	17.0		ug/L		85	70 - 130
Methyl-tert-butyl Ether (MTBE)	20.0	16.7		ug/L		84	70 - 130
Toluene	20.0	17.3		ug/L		86	70 - 130
Xylenes, Total	60.0	49.9		ug/L		83	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*43 - 158*

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 885-11288/1-A
Matrix: Water
Analysis Batch: 11911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.19	0.067	mg/L		08/29/24 09:11	09/10/24 17:41	1
Motor Oil Range Organics [C28-C40]	ND		0.094	0.070	mg/L		08/29/24 09:11	09/10/24 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*118*		*33 - 159*	*08/29/24 09:11*	*09/10/24 17:41*	*1*

Lab Sample ID: LCS 885-11288/2-A
Matrix: Water
Analysis Batch: 11911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	0.188	0.187	J	mg/L		100	33 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*104*		*33 - 159*

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCSD 885-11288/3-A
Matrix: Water
Analysis Batch: 11911

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11288

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			0.188	0.233	*1	mg/L		124	33 - 149	22	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*100*		*33 - 159*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-12279/9
Matrix: Water
Analysis Batch: 12279

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Lead			0.00100	0.00107		mg/L		107	70 - 130

Lab Sample ID: MB 885-11612/1-A
Matrix: Water
Analysis Batch: 12279

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 11612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050	0.0030	mg/L		09/04/24 15:22	09/13/24 12:46	5

Lab Sample ID: LCS 885-11612/6-A
Matrix: Water
Analysis Batch: 12279

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 11612

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead			0.0500	0.0499		mg/L		100	80 - 120

Lab Sample ID: 885-10691-2 MS
Matrix: Water
Analysis Batch: 12279

Client Sample ID: DW-3
Prep Type: Total Recoverable
Prep Batch: 11612

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		0.0500	0.0523		mg/L		105	75 - 125

Lab Sample ID: 885-10691-2 MSD
Matrix: Water
Analysis Batch: 12279

Client Sample ID: DW-3
Prep Type: Total Recoverable
Prep Batch: 11612

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		0.0500	0.0513		mg/L		103	75 - 125	2	20

QC Sample Results

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Method: SM 4500 CO2 D - Carbon Dioxide and Forms of Alkalinity by Calculation

Lab Sample ID: MB 885-11718/2
Matrix: Water
Analysis Batch: 11718

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		23	23	mg/L			09/05/24 12:28	1

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

GC/MS VOA

Analysis Batch: 11469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-3	CW 0+60	Total/NA	Water	8260B	
885-10691-5	Trip Blank	Total/NA	Water	8260B	
MB 885-11469/4	Method Blank	Total/NA	Water	8260B	
STOBLK 885-11469/19	Method Blank	Total/NA	Water	8260B	
LCS 885-11469/3	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 11387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-1	TP-6	Total/NA	Water	8015M/D	
885-10691-2	DW-3	Total/NA	Water	8015M/D	
MB 885-11387/14	Method Blank	Total/NA	Water	8015M/D	
LCS 885-11387/13	Lab Control Sample	Total/NA	Water	8015M/D	

Analysis Batch: 11388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-1	TP-6	Total/NA	Water	8021B	
885-10691-2	DW-3	Total/NA	Water	8021B	
MB 885-11388/7	Method Blank	Total/NA	Water	8021B	
LCS 885-11388/6	Lab Control Sample	Total/NA	Water	8021B	

GC Semi VOA

Prep Batch: 11288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-1	TP-6	Total/NA	Water	3510C	
885-10691-2	DW-3	Total/NA	Water	3510C	
885-10691-3	CW 0+60	Total/NA	Water	3510C	
MB 885-11288/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-11288/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-11288/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 11911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-1	TP-6	Total/NA	Water	8015M/D	11288
885-10691-2	DW-3	Total/NA	Water	8015M/D	11288
885-10691-3	CW 0+60	Total/NA	Water	8015M/D	11288
MB 885-11288/1-A	Method Blank	Total/NA	Water	8015M/D	11288
LCS 885-11288/2-A	Lab Control Sample	Total/NA	Water	8015M/D	11288
LCSD 885-11288/3-A	Lab Control Sample Dup	Total/NA	Water	8015M/D	11288

Metals

Prep Batch: 11612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-1	TP-6	Total Recoverable	Water	3005A	
885-10691-2	DW-3	Total Recoverable	Water	3005A	
MB 885-11612/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-11612/6-A	Lab Control Sample	Total Recoverable	Water	3005A	
885-10691-2 MS	DW-3	Total Recoverable	Water	3005A	
885-10691-2 MSD	DW-3	Total Recoverable	Water	3005A	

QC Association Summary

Client: Ensolum LLC
Project/Site: Bloomfield Terminal

Job ID: 885-10691-1

Metals

Analysis Batch: 12279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-1	TP-6	Total Recoverable	Water	6020A	11612
885-10691-2	DW-3	Total Recoverable	Water	6020A	11612
MB 885-11612/1-A	Method Blank	Total Recoverable	Water	6020A	11612
LCS 885-11612/6-A	Lab Control Sample	Total Recoverable	Water	6020A	11612
MRL 885-12279/9	Lab Control Sample	Total/NA	Water	6020A	
885-10691-2 MS	DW-3	Total Recoverable	Water	6020A	11612
885-10691-2 MSD	DW-3	Total Recoverable	Water	6020A	11612

General Chemistry

Analysis Batch: 11718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10691-4	Jungle Seep	Total/NA	Water	SM 4500 CO2 D	
MB 885-11718/2	Method Blank	Total/NA	Water	SM 4500 CO2 D	
LCS 885-11718/3	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	
MRL 885-11718/1	Lab Control Sample	Total/NA	Water	SM 4500 CO2 D	

Lab Chronicle

Client: Ensolum LLC
Job ID: 885-10691-1
Project/Site: Bloomfield Terminal

Client Sample ID: TP-6
Lab Sample ID: 885-10691-1
Date Collected: 08/27/24 11:15
Matrix: Water
Date Received: 08/28/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015M/D		1	11387	JP	EET ALB	08/29/24 20:45
Total/NA	Analysis	8021B		1	11388	JP	EET ALB	08/29/24 20:45
Total/NA	Prep	3510C			11288	JM	EET ALB	08/29/24 09:11
Total/NA	Analysis	8015M/D		1	11911	KR	EET ALB	09/10/24 20:05
Total Recoverable	Prep	3005A			11612	VP	EET ALB	09/04/24 15:22
Total Recoverable	Analysis	6020A		10	12279	BV	EET ALB	09/13/24 14:42

Client Sample ID: DW-3
Lab Sample ID: 885-10691-2
Date Collected: 08/27/24 12:15
Matrix: Water
Date Received: 08/28/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015M/D		1	11387	JP	EET ALB	08/29/24 21:09
Total/NA	Analysis	8021B		1	11388	JP	EET ALB	08/29/24 21:09
Total/NA	Prep	3510C			11288	JM	EET ALB	08/29/24 09:11
Total/NA	Analysis	8015M/D		1	11911	KR	EET ALB	09/10/24 20:29
Total Recoverable	Prep	3005A			11612	VP	EET ALB	09/04/24 15:22
Total Recoverable	Analysis	6020A		10	12279	BV	EET ALB	09/13/24 14:18

Client Sample ID: CW 0+60
Lab Sample ID: 885-10691-3
Date Collected: 08/27/24 13:25
Matrix: Water
Date Received: 08/28/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	11469	CM	EET ALB	09/03/24 16:37
Total/NA	Prep	3510C			11288	JM	EET ALB	08/29/24 09:11
Total/NA	Analysis	8015M/D		1	11911	KR	EET ALB	09/10/24 21:17

Client Sample ID: Jungle Seep
Lab Sample ID: 885-10691-4
Date Collected: 08/27/24 13:40
Matrix: Water
Date Received: 08/28/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 CO2 D		1	11718	DL	EET ALB	09/05/24 19:34

Client Sample ID: Trip Blank
Lab Sample ID: 885-10691-5
Date Collected: 08/27/24 13:45
Matrix: Water
Date Received: 08/28/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	11469	CM	EET ALB	09/03/24 17:02

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-10691-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020A	3005A	Water	Lead
8015M/D		Water	Gasoline Range Organics [C6 - C10]
8015M/D	3510C	Water	Diesel Range Organics [C10-C28]
8015M/D	3510C	Water	Motor Oil Range Organics [C28-C40]
8021B		Water	Benzene
8021B		Water	Ethylbenzene
8021B		Water	Methyl-tert-butyl Ether (MTBE)
8021B		Water	Toluene
8021B		Water	Xylenes, Total
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane (EDB)
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	1-Methylnaphthalene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	2-Methylnaphthalene
8260B		Water	4-Chlorotoluene
8260B		Water	4-Isopropyltoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	Carbon disulfide

Accreditation/Certification Summary

Client: Ensolum LLC
Job ID: 885-10691-1
Project/Site: Bloomfield Terminal

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	cis-1,2-Dichloroethene
8260B		Water	cis-1,3-Dichloropropene
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachlorobutadiene
8260B		Water	Isopropylbenzene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-tert-butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene
8260B		Water	trans-1,2-Dichloroethene
8260B		Water	trans-1,3-Dichloropropene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
SM 4500 CO2 D		Water	Carbon dioxide

Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 CO2 D		Water	Carbon dioxide

Released to Imaging: 5/9/2025 1:04:15 PM
Received by OCD: 4/25/2025 3:38:15 PM

Eurofins Albequerque
4901 Hawkins NE
Albuquerque NM 87109
Phone: (505) 345-3975

Chain of Custody Record

eurofins

885-10691 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Envir COC No: ____ of ____ COCs

Client Contact	Project Manager: Devin Hencmann	Site Contact: Eric Carroll	Date: 8-27-24	TALS Project #:
Ensolum LLC	Email: dhencmann@ensolum.com	Lab Contact: Andy Freeman	Carrier:	Sampler:
776 E 2nd Avenue	Tel/Fax: 970-403-6023			For Lab Use Only:
Durango/CO/81301	Analysis Turnaround Time			Walk-in Client:
(903) 821-5603 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			Lab Sampling:
(xxx) xxx-xxxx FAX	TAT if different from Below ____			
Project Name: Bloomfield Terminal	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.:
Site: -				
P O # 07A2015013				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs (EPA Method 8260)	VOCs Target List (Method 8260)	SVOCs (Method 8270)	TPH - DRO/MRO (Method 8015DR	TPH- GRO (8015DROLL)	Total Recoverable Metals (6010/7470)	Total Dissolved Metals (6010/7470	Alkalinity (310.1)	Anions (300.0)	Carbon Dioxide (310.1)	Lead 6010/747	Sample Specific Notes:
TP-6	8-27	11:15	G	GW	7				X		X	X						X	1
DW-3	8-27	12:15	G	GW	7				X		X	X						X	2
CW 0+60	8-27	13:25	G	GW	6			X			X								3
Jungle seep	8-27	13:40	G	GW	1												X		4
Trip Blank	8-27	13:45	G	AQ	3														5

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: Level IV package
cc: ecarroll@ensolum.com

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 4.6 Corr'd: 4.9 | Therm ID No.: mojo

Relinquished by:	Company:	Date/Time:	Received by:	Company	Date/Time:
Eric Carroll	Ensolum	8/27 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company	Date/Time:
	Eurofins 1500	8/27/24 1542		courier	8/28/24 9:30
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ensolum LLC Job Number: 885-10691-1

Login Number: 10691 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

ENSOLUM

APPENDIX D

Total Fluids Recovery System Field Notes and Data Sheets

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector D. Burns

Date January 3, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.15	16.32	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.37	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.29	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.67
Pnd Depth	4'00"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.05
West (feet)	8.41
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector D. Burns **Date** Wednesday, January 3, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	4.5	
BV-1	4.5	
BV-3	4.5	
BV-4	4.5	
BV-5	4.5	
BV-6	4.5	

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,115	
Tank #38	295,591	
River Terrace		
API	493,647,520 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date January 10, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.18	16.34	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.28	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.23	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.67
Pnd Depth	4'00"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	8.90
West (feet)	8.39
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, January 10, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	4.5	
BV-1	4.5	
BV-3	4.5	
BV-4	4.5	
BV-5	4.5	
BV-6	4.5	

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,144	
Tank #38	295,6174	
River Terrace		
API	493,746,150 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thompson

Date January 17, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.90	16.69	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.19	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.31	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.67
Pnd Depth	4'03"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	8.85
West (feet)	8.30
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll **Date** January 24, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.17	16.38	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.23	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.29	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.67
Pnd Depth	4'04"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	8.85
West (feet)	8.30
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, January 24, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	4.5	
BV-1	4.5	
BV-3	4.5	
BV-4	4.5	
BV-5	4.5	
BV-6	4.5	

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,211	
Tank #38	297,318	
River Terrace		
API	494,071,400 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll **Date** January 31, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.18	16.41	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.23	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.33	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.67
Pnd Depth	4'04"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	8.85
West (feet)	8.34
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, January 31, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	4.5	
BV-1	4.5	
BV-3	4.5	
BV-4	4.5	
BV-5	4.5	
BV-6	4.5	

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,245	
Tank #38	297,843	
River Terrace		
API	494,233,400 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson **Date** February 07, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.98	16.72	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.10	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.33	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.95
West (feet)	10.77
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	8.90
West (feet)	8.15
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, February 7, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	4.5	
BV-1	4.5	
BV-3	4.5	
BV-4	4.5	
BV-5	4.5	
BV-6	4.5	

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,278	
Tank #38	298,406	
River Terrace		
API	494,395,350 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson

Date February 14, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.86	16.73	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.30	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
Dry	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.86
West (feet)	10.67
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	8.86
West (feet)	8.22
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, February 7, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	4.5	
BV-1	4.5	
BV-3	4.5	
BV-4	4.5	
BV-5	4.5	
BV-6	4.5	

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,311	
Tank #38	298,929	
River Terrace		
API	494,502,215 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date February 21, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.87	16.55	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.34	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.62	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.67
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	8.87
West (feet)	8.25
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
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API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date February 28, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.88	16.46	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.34	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.58	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.67
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	8.87
West (feet)	8.28
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, February 28, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,366	
Tank #38	299,977	
River Terrace		
API	494,757,670 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson **Date** Wednesday, March 6, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.86	16.53	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.03	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.22	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.59
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	8.95
West (feet)	8.36
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, March 6, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,395	
Tank #38	300,502	
River Terrace		
API	494,873,690 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll **Date** Wednesday, March 13, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.89	16.50	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.28	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.26	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.61
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	8.99
West (feet)	8.38
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, March 13, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,423	
Tank #38	300,989	
River Terrace		
API	494,873,690 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector Danny Burns

Date Wednesday, March 20, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.91	16.51	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.27	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.41	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.88
West (feet)	10.65
Pnd Depth	4' 6"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	8.87
West (feet)	8.36
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector Danny Burns **Date** Wednesday, March 20, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,453	
Tank #38	301,516	
River Terrace		
API	495,162,015 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector Danny Burns

Date Wednesday, March 27, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.01	16.55	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.33	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.35	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.87
West (feet)	10.70
Pnd Depth	4' 7"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.09
West (feet)	8.44
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector Danny Burns **Date** Wednesday, March 27, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,481	
Tank #38	302,005	
River Terrace		
API	495,288,560 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson **Date** Wednesday, April 3, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.03	16.56	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.35	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.37	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.78
West (feet)	10.60
Pnd Depth	4'06"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.08
West (feet)	8.42
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, April 3, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,514	
Tank #38	302,532	
River Terrace		
API	495,402,400 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson **Date** Wednesday, April 10, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.04	16.55	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.37	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.39	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.76
West (feet)	10.58
Pnd Depth	4'06"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.09
West (feet)	8.43
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson **Date** Wednesday, April 17, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.78	16.33	0	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.01	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.14	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.59
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.72
West (feet)	9.08
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, April 17, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,562	
Tank #38	306,478	
River Terrace		
API	495,757,349 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson **Date** Wednesday, April 24, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.93	16.35	0	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.33	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.25	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.60
Pnd Depth	4'05"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.08
West (feet)	8.43
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, April 24, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,595	
Tank #38	315,017	
River Terrace		
API	496,201,700 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date Wednesday, May 1, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.75	16.32	0	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.17	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.22	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.59
Pnd Depth	4'10"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.43
West (feet)	8.66
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson

Date Wednesday, May 15, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.71	16.12	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.96	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.16	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.58
Pnd Depth	4'09"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.12
West (feet)	9.09
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, May 15, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,687	
Tank #38	339,773	
River Terrace		
API	497,444,270 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector A. Thomson

Date Wednesday, May 22, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.72	16.13	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.00	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.16	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.86
West (feet)	10.56
Pnd Depth	4'10"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.12
West (feet)	9.14
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector A. Thomson **Date** Wednesday, May 22, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,728	
Tank #38	351,381	
River Terrace		
API	498,008,920 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date Wednesday, May 29, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.73	16.15	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.10	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.21	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.86
West (feet)	10.56
Pnd Depth	4'10"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.14
West (feet)	9.15
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, May 29, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,776	
Tank #38	363,879	
River Terrace		
API	498,594,200 gallons	

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API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date Wednesday, June 5, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.88	16.58	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.17	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.24	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.86
West (feet)	10.59
Pnd Depth	5'3"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.12
West (feet)	8.50
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date Wednesday, June 12, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.02	16.58	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.34	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.39	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.59
Pnd Depth	5'3"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.12
West (feet)	8.50
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, June 12, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,898	
Tank #38	391,932	
River Terrace		
API	499,845,850 gallons	

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API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date Wednesday, June 19, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.72	16.28	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.11	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.26	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.85
West (feet)	10.59
Pnd Depth	5'4"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.04
West (feet)	9.02
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, June 19, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	27,951	
Tank #38	406,207	
River Terrace		
API	500,497,760 gallons	

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Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Date Wednesday, June 26, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.76	16.33	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.20	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.19	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.37
West (feet)	9.98
Pnd Depth	5'4"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.09
West (feet)	9.03
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll **Date** Wednesday, June 26, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,002	
Tank #38	409,760	
River Terrace		
API	500,844,630 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector D. Burns

Date Wednesday, July 3, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.78	16.24	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.17	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.19	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	8.84
West (feet)	8.74
Pnd Depth	5'4"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.77
West (feet)	8.99
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala **07/17/2024**

Wednesday, July 10, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.83	16.18	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.10	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.19	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	8.22
West (feet)	8.66
Pnd Depth	5'4"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.82
West (feet)	9.02
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala **07/17/2024** Wednesday, July 10, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,145	
Tank #38	424,456	
River Terrace		
API	501,690,100 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala **07/17/2024**

Wednesday, July 10, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.66	16.00	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.04	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.14	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	7.97
West (feet)	8.13
Pnd Depth	5'4"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.82
West (feet)	9.02
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala **07/17/2024** Wednesday, July 10, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,145	
Tank #38	424,456	
River Terrace		
API	501,690,100 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala **07/24/2024**

Wednesday, July 24, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.71	16.09	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.08	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.26	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	7.54
West (feet)	7.63
Pnd Depth	5'4"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.79
West (feet)	9.05
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Wednesday, July 31, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.72	16.07	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.10	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.24	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	7.50
West (feet)	6.36
Pnd Depth	5'0"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.80
West (feet)	9.08
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, July 31, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,276	
Tank #38	435,424	
River Terrace		
API	502,232,800 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Wednesday, August 7, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.72	16.05	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.14	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.26	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	7.40
West (feet)	6.79
Pnd Depth	5'0"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.80
West (feet)	9.08
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll Wednesday, August 7, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,317	
Tank #38	438,824	
River Terrace		
API	502,512,640 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Wednesday, August 21, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.56	16.23	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.46	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
21.31	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.49
West (feet)	9.66
Pnd Depth	5'5"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.96
West (feet)	9.21
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, August 21, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,439	
Tank #38	448,315	
River Terrace		
API	503,305,760 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Wednesday, August 21, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.56	16.23	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.46	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
21.31	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.49
West (feet)	9.66
Pnd Depth	5'5"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.96
West (feet)	9.21
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, August 28, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,510	
Tank #38	450,989	
River Terrace		
API	503,312,000 gallons	

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Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Wednesday, August 28, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.66	16.13	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.02	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.25	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	10.06
West (feet)	10.02
Pnd Depth	5'5"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	9.79
West (feet)	9.96
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, September 04, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,574	
Tank #38	453,434	
River Terrace		
API	503,499,850 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Wednesday, September 4, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.77	16.22	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.09	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.21	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.27
West (feet)	9.35
Pnd Depth	5'0"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.36
West (feet)	8.73
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, September 04, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,574	
Tank #38	453,434	
River Terrace		
API	503,499,850 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Wednesday, September 25, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.74	16.19	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.20	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.26	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.24
West (feet)	9.31
Pnd Depth	5'0"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.41
West (feet)	8.77
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll Wednesday, September 11, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,652	
Tank #38	456,800	
River Terrace		
API	503,675,530 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Aeration Pond #1

Wednesday, September 18, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.72	16.23	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.06	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.18	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.32
West (feet)	9.45
Pnd Depth	5'0"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.63
West (feet)	9.18.931
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, September 18, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,724	
Tank #38	463,231	
River Terrace		
API	503,907,475 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Wednesday, September 25, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.99	16.65	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.12	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.72	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.34
West (feet)	9.65
Pnd Depth	5'0"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.85
West (feet)	9.11
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, September 25, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,801	
Tank #38	467,686	
River Terrace		
API	504,244,900 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector D. Burns

Aeration Pond #1 Wednesday, October 3, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.73	16.20	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.17	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.28	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.23
West (feet)	9.29
Pnd Depth	5'2"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	9.39
West (feet)	8.70
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector D. Burns Wednesday, September 25, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,885	
Tank #38	467,686	
River Terrace		
API	504,348,155 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Aeration Pond #1 Wednesday, October 9, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.74	16.32	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.04	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.34	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.39
West (feet)	9.75
Pnd Depth	5'2"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	10.35
West (feet)	9.40
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, October 9, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	28,950	
Tank #38	468,404	
River Terrace		
API	504,432,400 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Aeration Pond #1

Wednesday, October 16, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.70	16.35	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.09	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.23	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.39
West (feet)	9.78
Pnd Depth	5'2"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	10.27
West (feet)	9.38
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

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GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, October 16, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,035	
Tank #38	473,283	
River Terrace		
API	504,693,980 gallons	

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Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector E. Carroll

Aeration Pond #1

Wednesday, October 23, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.67	16.29	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.01	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.18	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.37
West (feet)	9.74
Pnd Depth	5'3"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	10.25
West (feet)	9.36
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll Wednesday, October 23, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,105	
Tank #38	477,056	
River Terrace		
API	504,985,750 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Wednesday, October 30, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.91	16.59	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.25	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
18.05	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.31
West (feet)	9.16
Pnd Depth	5'5"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	NA
West (feet)	NA
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, October 30, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,150	
Tank #38	479,909	
River Terrace		
API	505,141,270 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector D. Burns

Wednesday, November 6, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.69	16.54	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.08	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.11	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.24
West (feet)	7.67
Pnd Depth	5'5"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	NA
West (feet)	NA
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector D. Burns Wednesday, November 6, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,241	
Tank #38	483,858	
River Terrace		
API	505,392,950 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Wednesday, November 13, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.70	16.50	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.12	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.32	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	9.37
West (feet)	9.21
Pnd Depth	5'5"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	NA
West (feet)	NA
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Wednesday, November 13, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,311	
Tank #38	486,174	
River Terrace		
API	505,581,700 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector > Carroll

Wednesday, November 20, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.84	16.76	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.17	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.11	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	8.57
West (feet)	6.19
Pnd Depth	5'8"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	NA
West (feet)	NA
Pnd Depth	Dry
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll Wednesday, November 20, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,378	
Tank #38	488,093	
River Terrace		
API	505,803,350 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector > D. Burns

Wednesday, November 27, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.89	16.84	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.11	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.22	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	8.49
West (feet)	6.11
Pnd Depth	5'8"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	10.35
West (feet)	9.24
Pnd Depth	Mostly dry, some pools
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

Construction appears complete

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector D. Burns Wednesday, November 27, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,433	
Tank #38	489,722	
River Terrace		
API	506,009,920 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector > E. Carroll

Wednesday, December 4, 2024

Aeration Pond #1

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.91	16.88	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.14	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.28	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

North Pond

East (feet)	8.53
West (feet)	6.14
Pnd Depth	5'7"
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond

East (feet)	10.50
West (feet)	9.39
Pnd Depth	Mostly dry, some pools
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll Wednesday, December 4, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,480	
Tank #38	491,171	
River Terrace		
API	506,254,520 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector > E. Carroll

Aeration Pond #1

Wednesday, December 11, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.89	16.83	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.11	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.31	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

Benzene Stripper Sampled (Y/N): N
Last Benzene Stripper Sample Date: 12/4/2024

North Pond

East (feet)	8.24
West (feet)	6.55
Pnd Depth	5'7"
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.45
West (feet)	9.37
Pnd Depth	Mostly dry, some pools
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

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Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector E. Carroll Wednesday, December 11, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,527	
Tank #38	492,517	
River Terrace		
API	506,496,210 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector Danny Burns

Aeration Pond #1

Wednesday, December 18, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.90	16.86	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.13	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.29	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

Benzene Stripper Sampled (Y/N): N
Last Benzene Stripper Sample Date: 12/4/2024

North Pond

East (feet)	8.11
West (feet)	6.84
Pnd Depth	NA
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.48
West (feet)	9.27
Pnd Depth	Mostly dry, some pools
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

Pond level height gauge missing, possibly tipped over.

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector D. Burns Wednesday, December 18, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,570	
Tank #38	493,777	
River Terrace		
API	506,671,050 gallons	

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

API Inspection

- Condition 2.K OCD Discharge Permit GW-001
- 2022 Aeration Lagoon/Evaporation Pond Contingency Plans

Inspector N. Pottala

Aeration Pond #1

Thursday, December 26, 2024

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
16.93	16.89	2	Yes

Aeration Pond #1 Notes

Aeration Pond #2

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
17.16	Dry	2	Yes

Aeration Pond #2 Notes

Aeration Pond #3

Primary (feet)	Secondary (feet)	Numbers of Aerators Running	>3 feet freeboard
20.25	Dry	2	Yes

Aeration Pond #3 Notes

PSH Observed?
NO

Tertiary Containment (Culvert) - Contain Water?
NO

API Oil/Water Separator - All seals/gaskets in place & free of gaps, access doors & all openings closed
YES

API Oil/Water Seperator Notes

Benzene Stripper Sampled (Y/N): N
Last Benzene Stripper Sample Date: 12/4/2024

North Pond

East (feet)	8.03
West (feet)	6.79
Pnd Depth	
>3 feet Free board	Yes
Dike Integrity	Ok

South Pond

East (feet)	10.45
West (feet)	9.31
Pnd Depth	Mostly dry, some pools
>3 feet Free board	Yes
Dike Integrity	Ok

North Pond Comments

South Pond Comments

PSH Observed?
NO

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

GW Remediation Monitoring

- Section IV.A.2 July 2007 Consent Order (NMED-HWB)
- Section 2.F. of Discharge Permit GW-001

Inspector N. Pottala Thursday, December 26, 2024

Seep 1
Evidence of active Seep?
NO

Seep 2
Evidence of active Seep?
NO

Seep 3
Evidence of active Seep?
NO

Seep 5
Evidence of active Seep?
NO

Jungle Seep (located NE of Tank #38)
Hydrocarbon Odor or Sheen?
NO

Biovent/Air Sparge

	Pressure (PSI)	Notes
Blower	OFF	
BV-1		
BV-3		
BV-4		
BV-5		
BV-6		

GW Recovery

	Total Flow (BBLS)	Notes
Tank #37	29,621	
Tank #38	495,105	
River Terrace		
API	506,962,500 gallons	

ENSOLUM

APPENDIX E

Hydrographs and Time-Series Graphs

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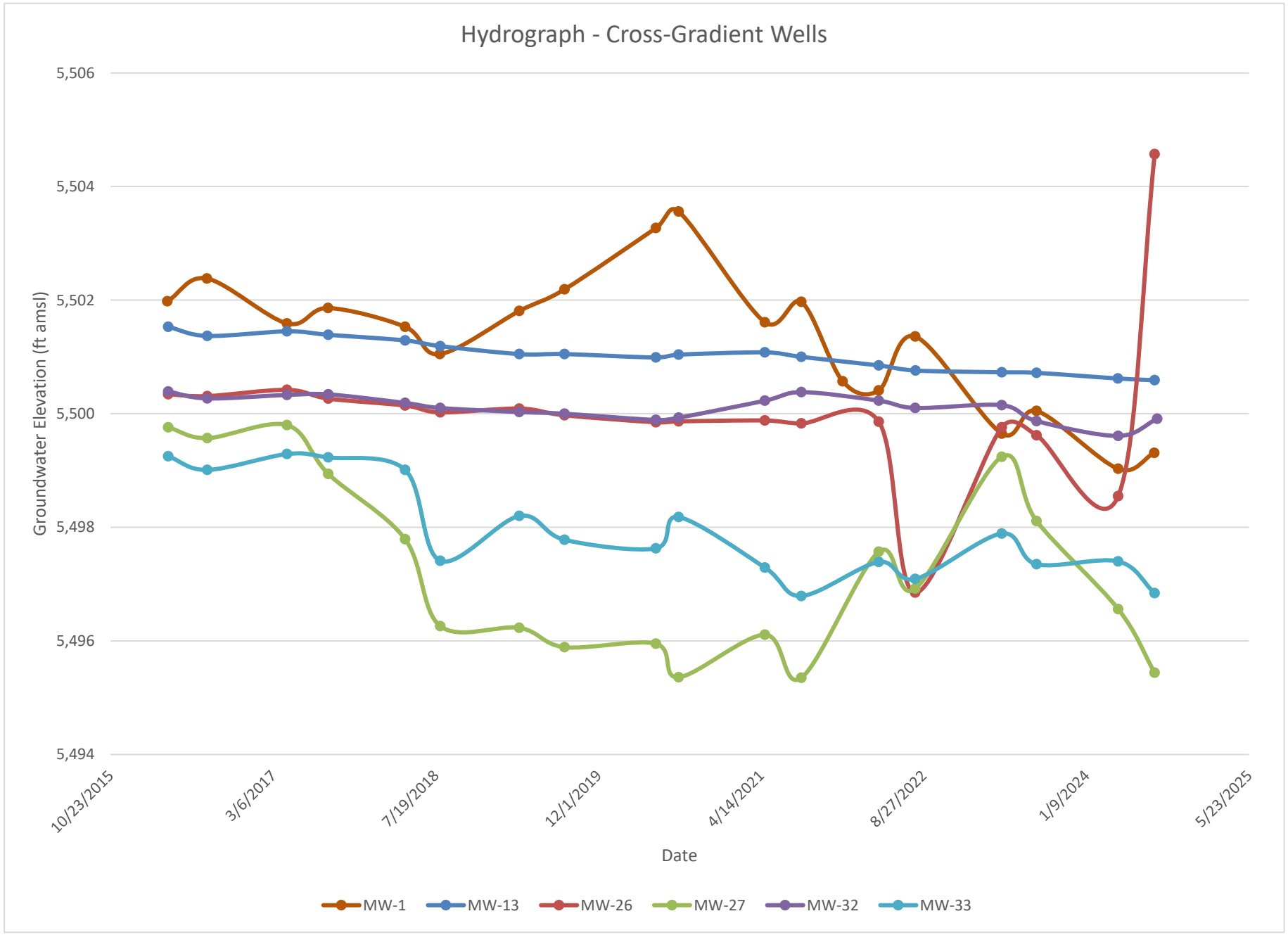
Received by OCD: 4/25/2025 3:38:15 PM



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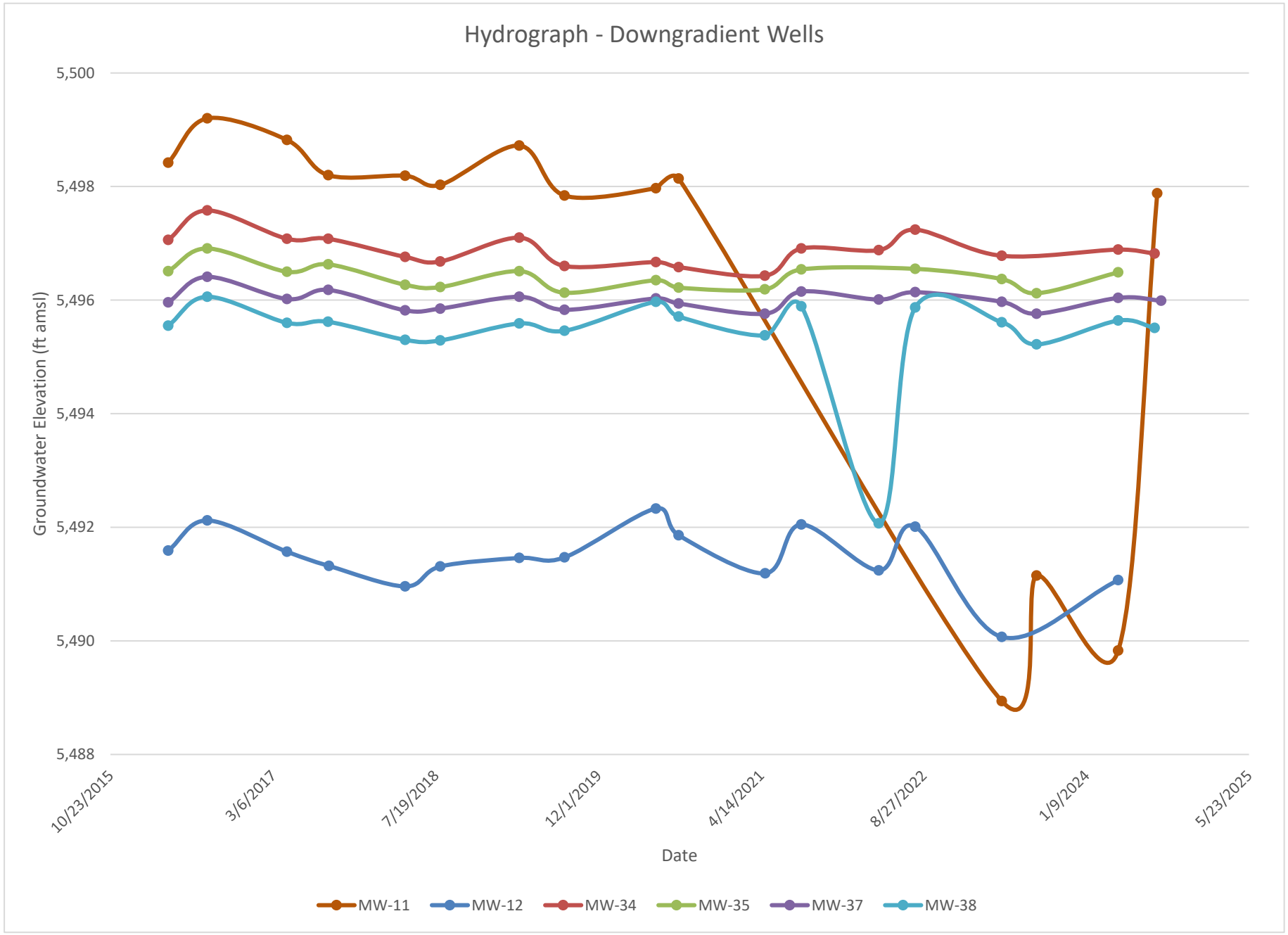
Received by OCD: 4/25/2025 3:38:15 PM



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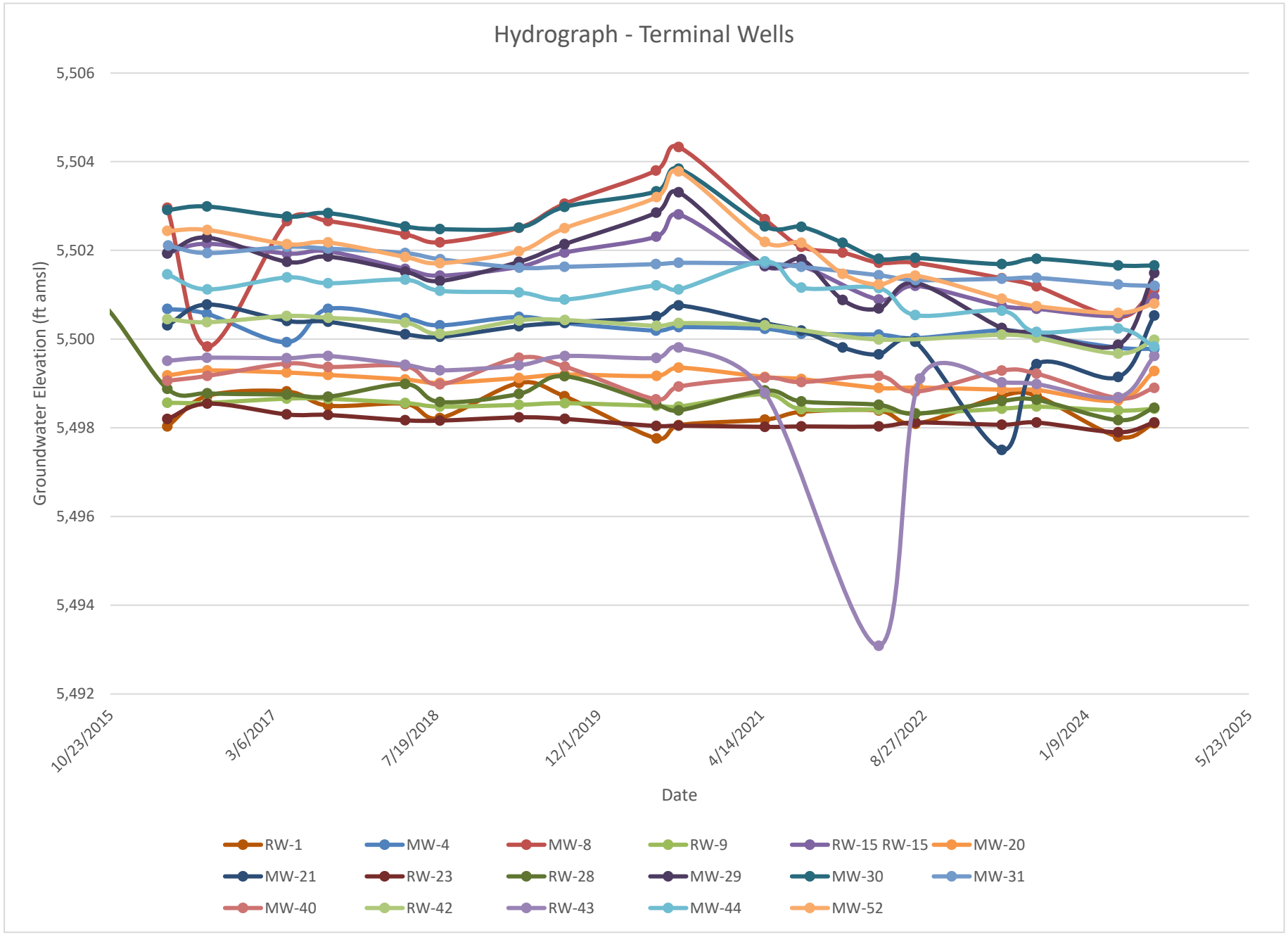
Received by OCD: 4/25/2025 3:38:15 PM



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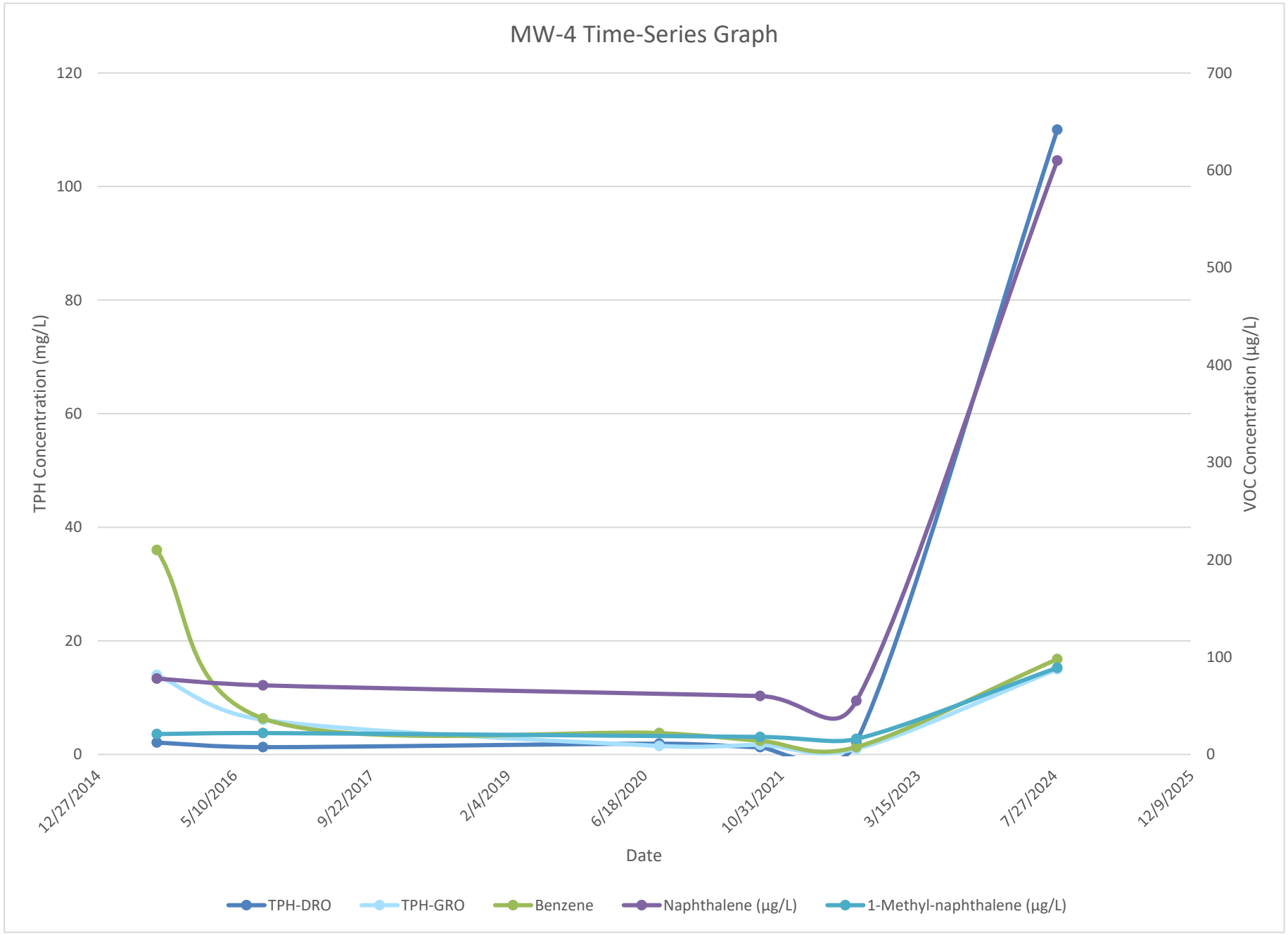
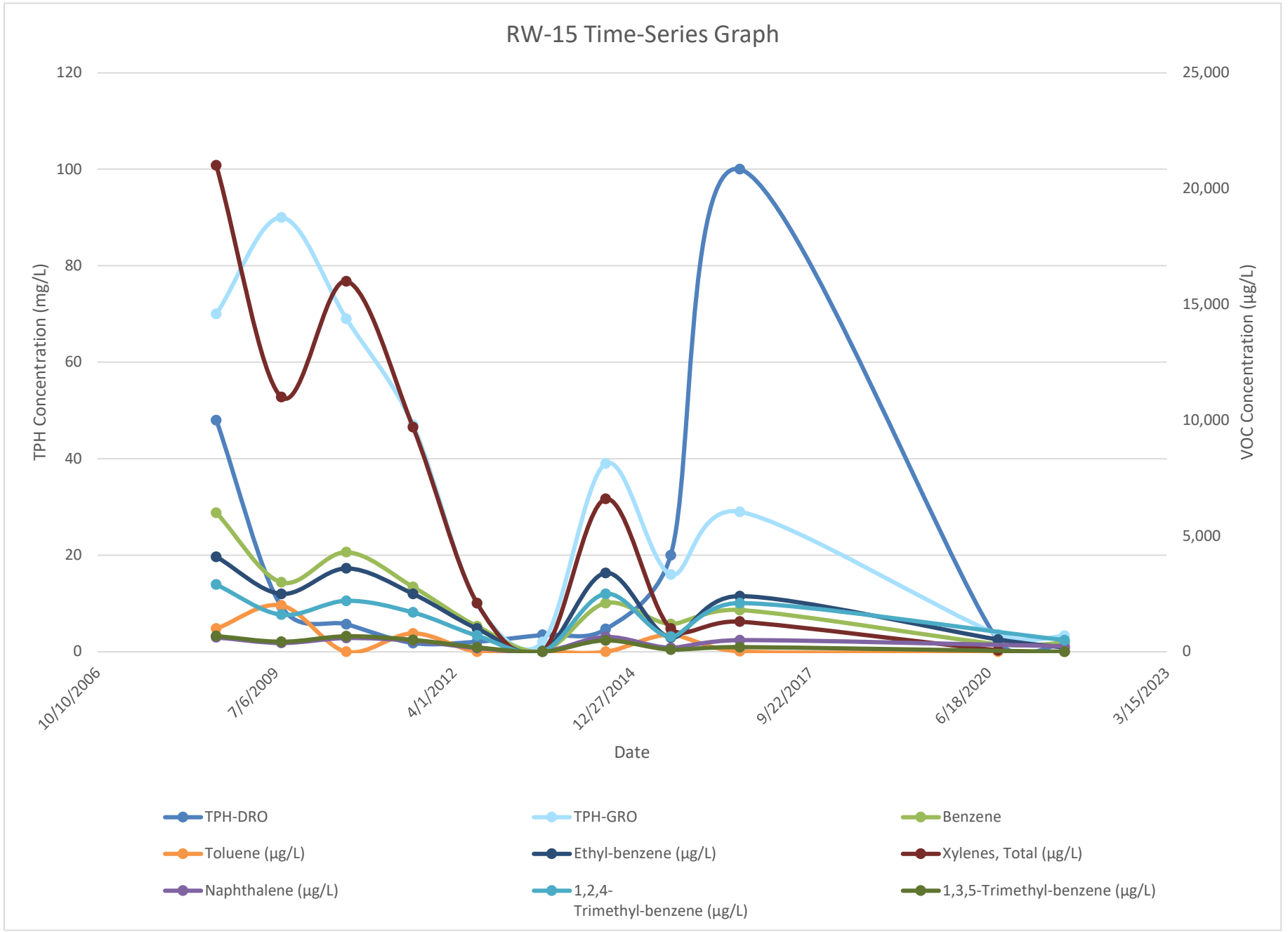
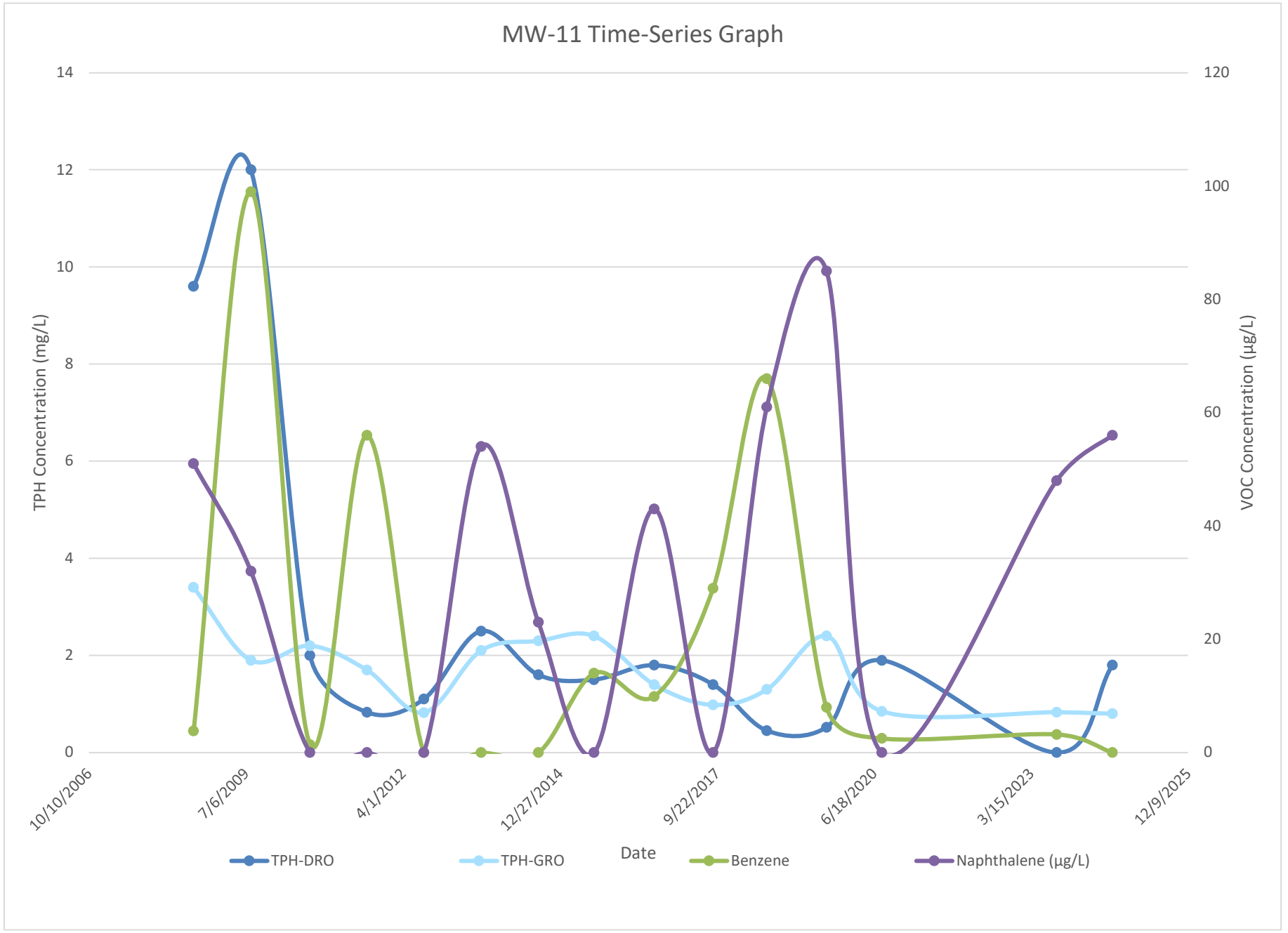



RW-15 Time-Series Graph
TPH Concentration (mg/L)
VOC Concentration (µg/L)
120
100
80
60
40
20
0
25,000
20,000
15,000
10,000
5,000
0
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
Date
TPH-DRO
TPH-GRO
Benzene
Toluene (µg/L)
Ethyl-benzene (µg/L)
Xylenes, Total (µg/L)
Naphthalene (µg/L)
1,2,4-Trimethyl-benzene (µg/L)
1,3,5-Trimethyl-benzene (µg/L)


MW-11 Time-Series Graph
TPH Concentration (mg/L)
VOC Concentration (µg/L)
14
12
10
8
6
4
2
0
120
100
80
60
40
20
0
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO
Benzene
Naphthalene (µg/L)

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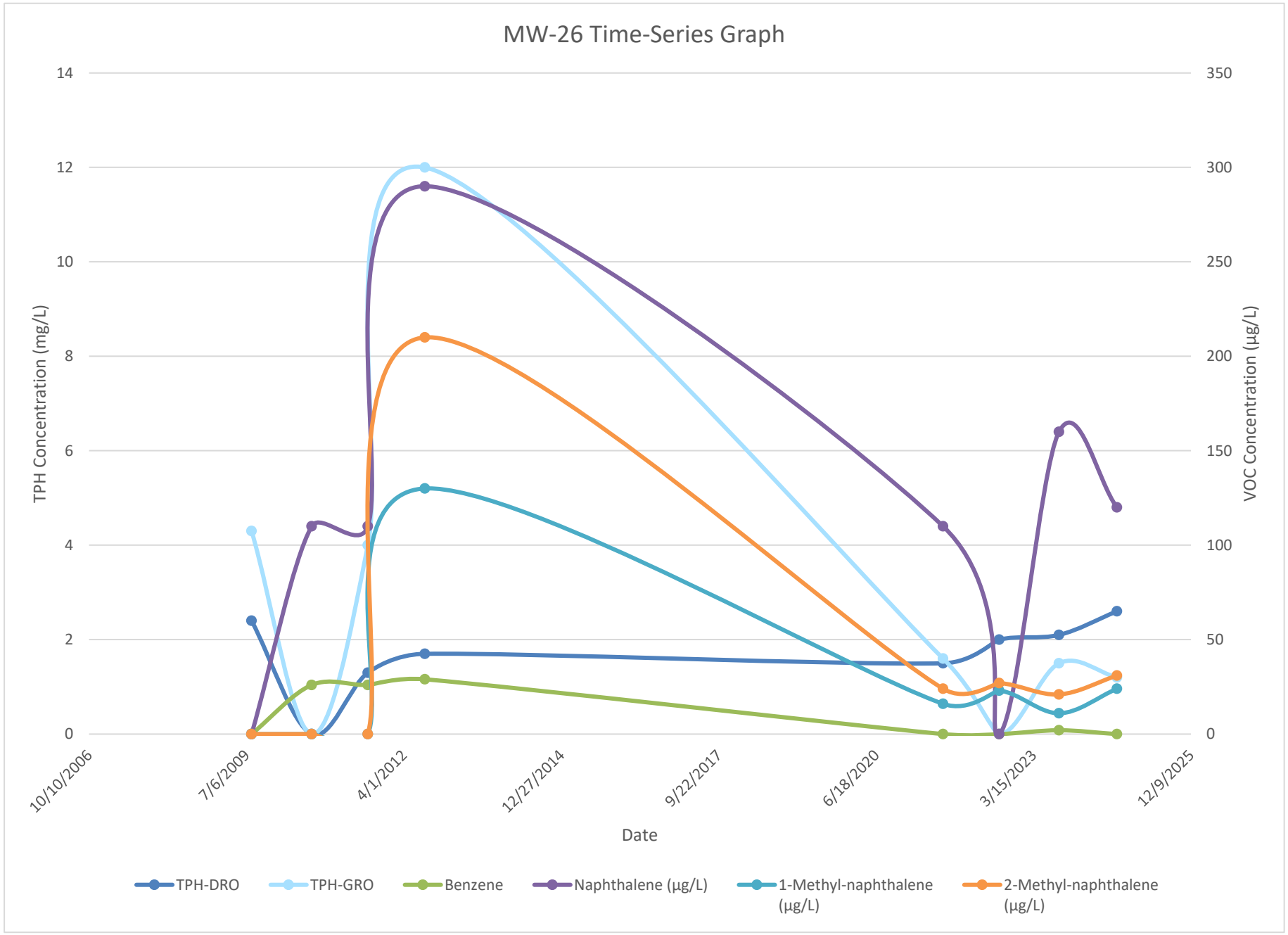

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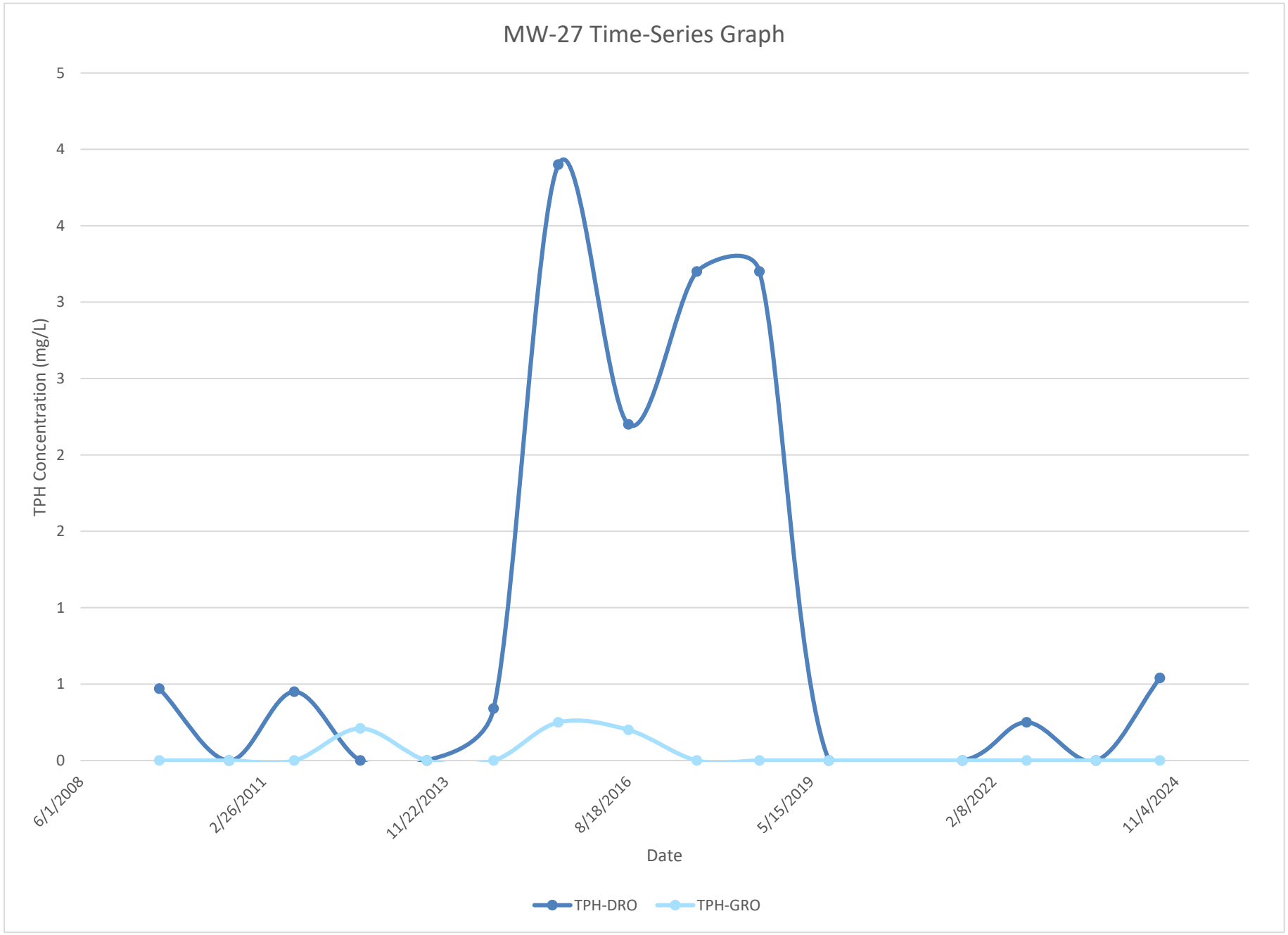
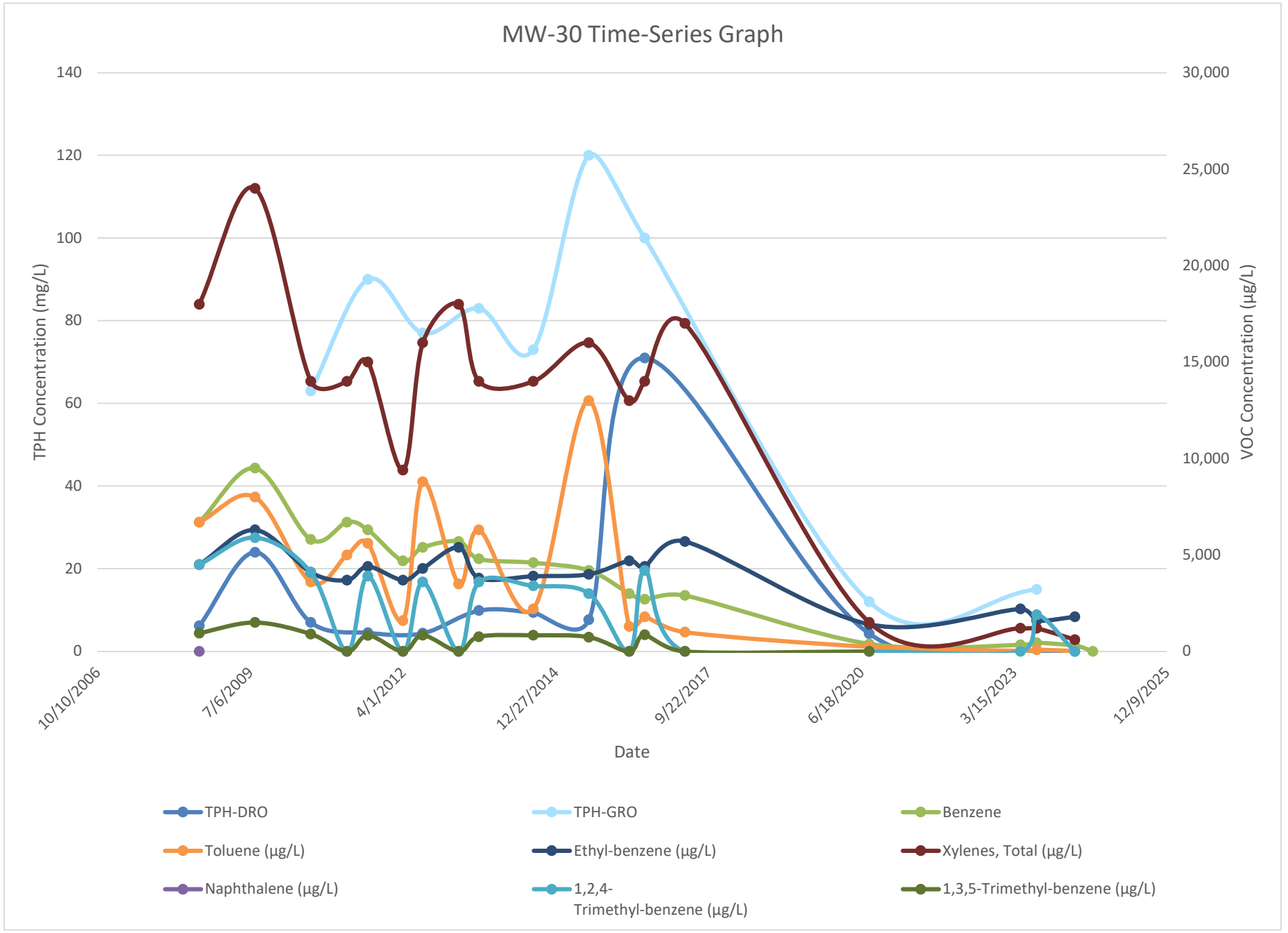
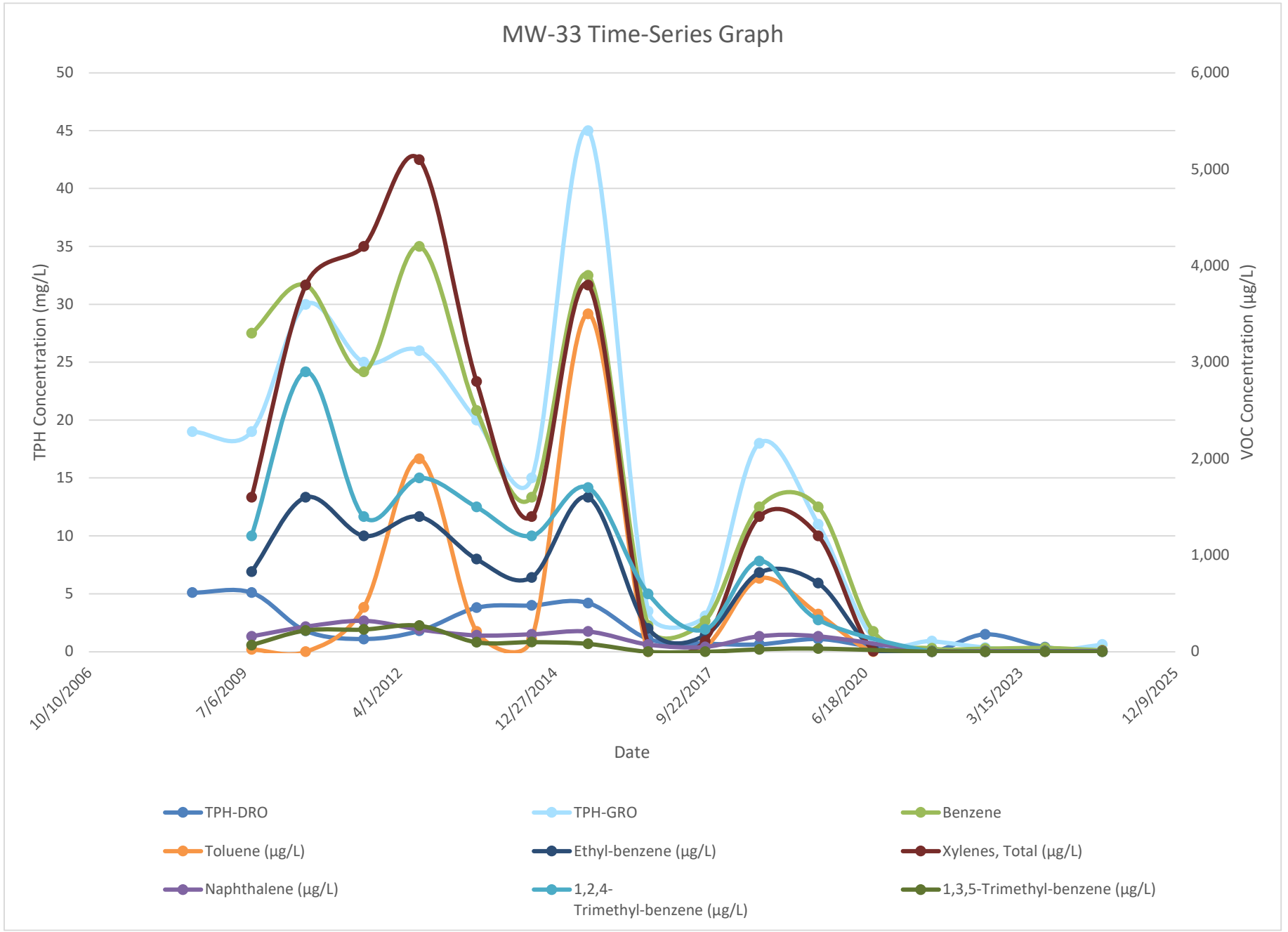
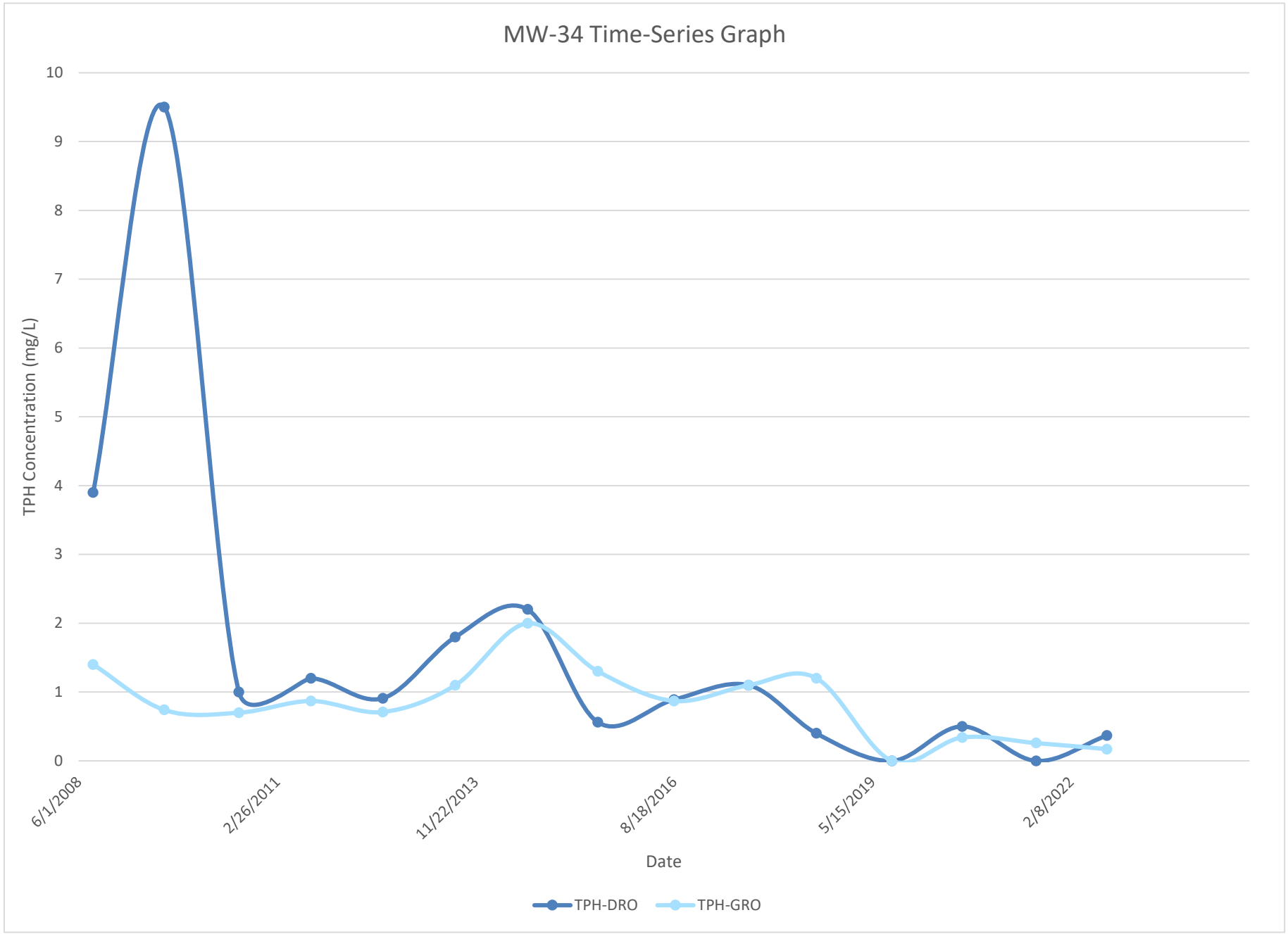
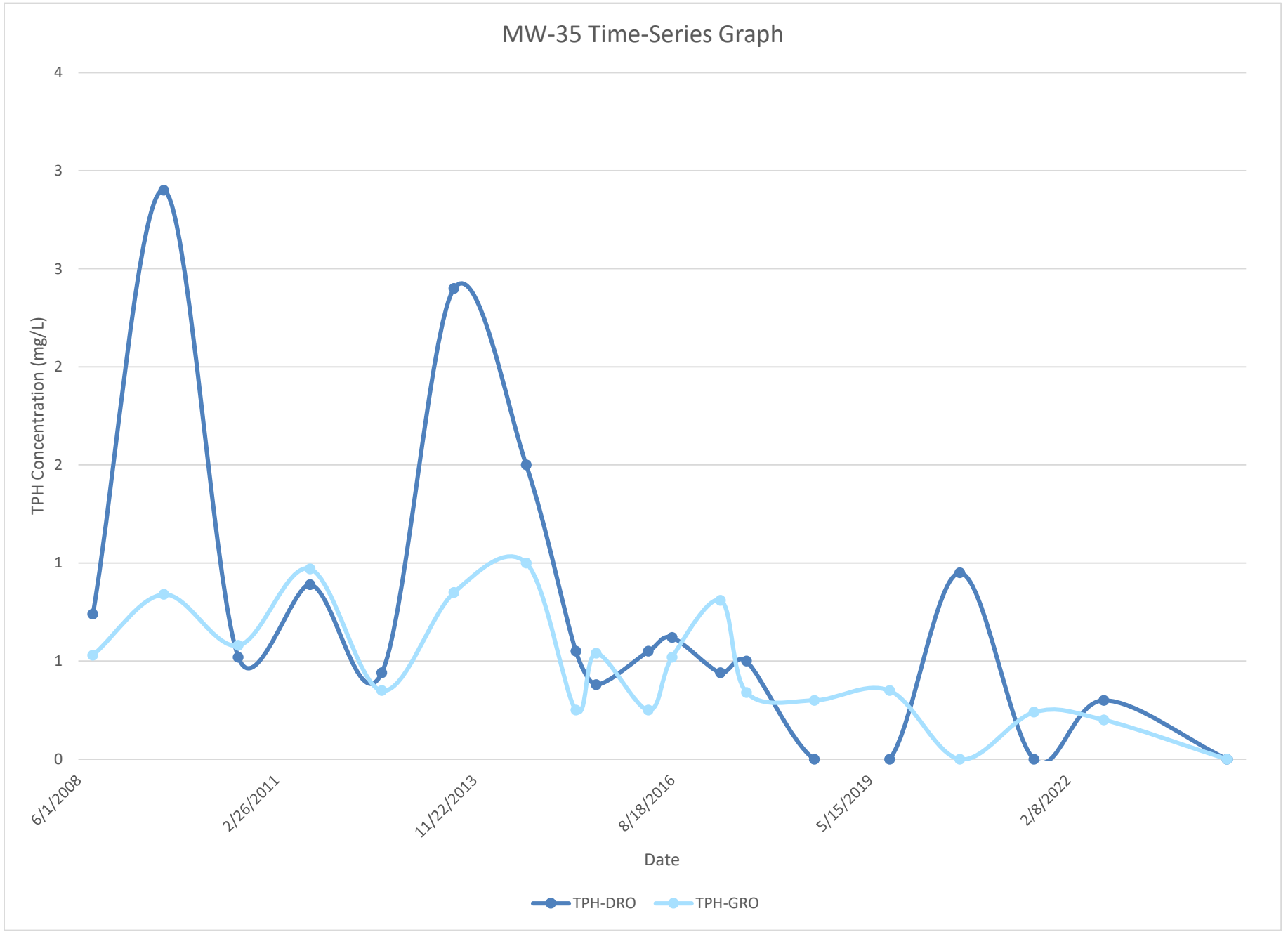



MW-30 Time-Series Graph
TPH Concentration (mg/L)
VOC Concentration (µg/L)
140
120
100
80
60
40
20
0
30,000
25,000
20,000
15,000
10,000
5,000
0
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO
Benzene
Toluene (µg/L)
Ethyl-benzene (µg/L)
Xylenes, Total (µg/L)
Naphthalene (µg/L)
1,2,4-Trimethyl-benzene (µg/L)
1,3,5-Trimethyl-benzene (µg/L)


MW-33 Time-Series Graph
TPH Concentration (mg/L)
VOC Concentration (µg/L)
50
45
40
35
30
25
20
15
10
5
0
6,000
5,000
4,000
3,000
2,000
1,000
0
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO
Benzene
Toluene (µg/L)
Ethyl-benzene (µg/L)
Xylenes, Total (µg/L)
Naphthalene (µg/L)
1,2,4-Trimethyl-benzene (µg/L)
1,3,5-Trimethyl-benzene (µg/L)


MW-34 Time-Series Graph
TPH Concentration (mg/L)
10
9
8
7
6
5
4
3
2
1
0
6/1/2008
2/26/2011
11/22/2013
8/18/2016
5/15/2019
2/8/2022
Date
TPH-DRO
TPH-GRO


MW-35 Time-Series Graph
TPH Concentration (mg/L)
4
3
3
2
2
1
1
0
6/1/2008
2/26/2011
11/22/2013
8/18/2016
5/15/2019
2/8/2022
Date
TPH-DRO
TPH-GRO

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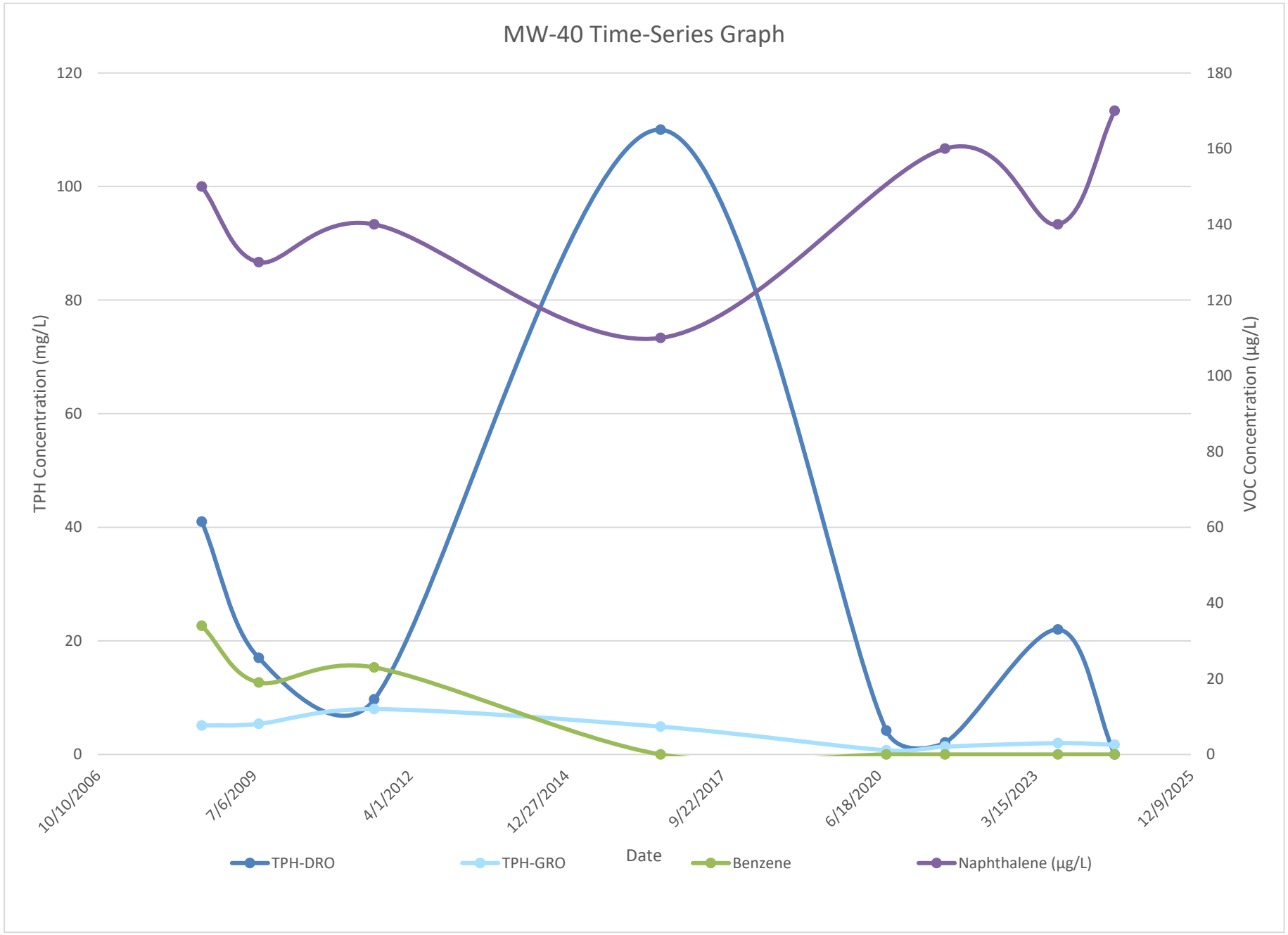

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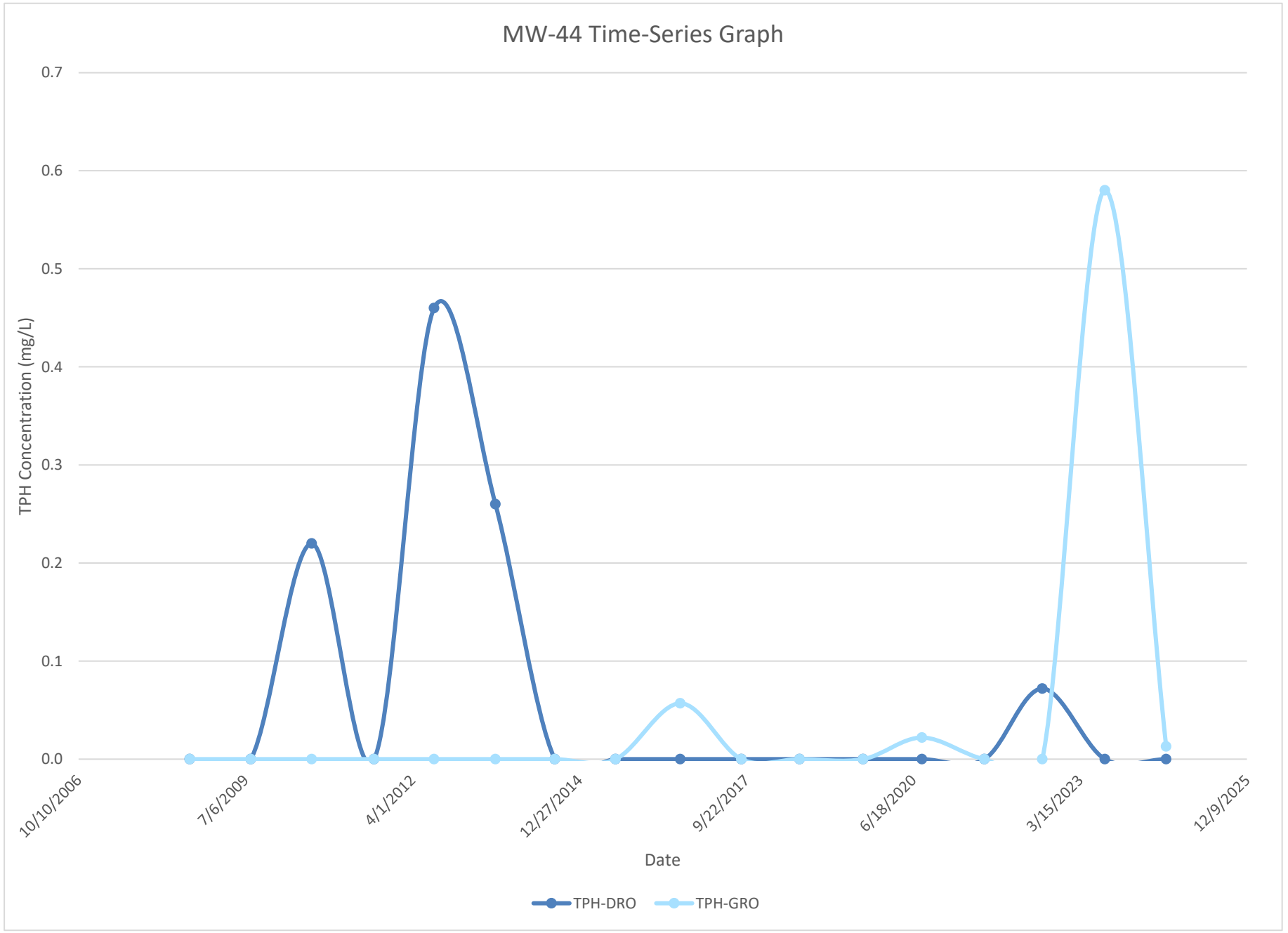

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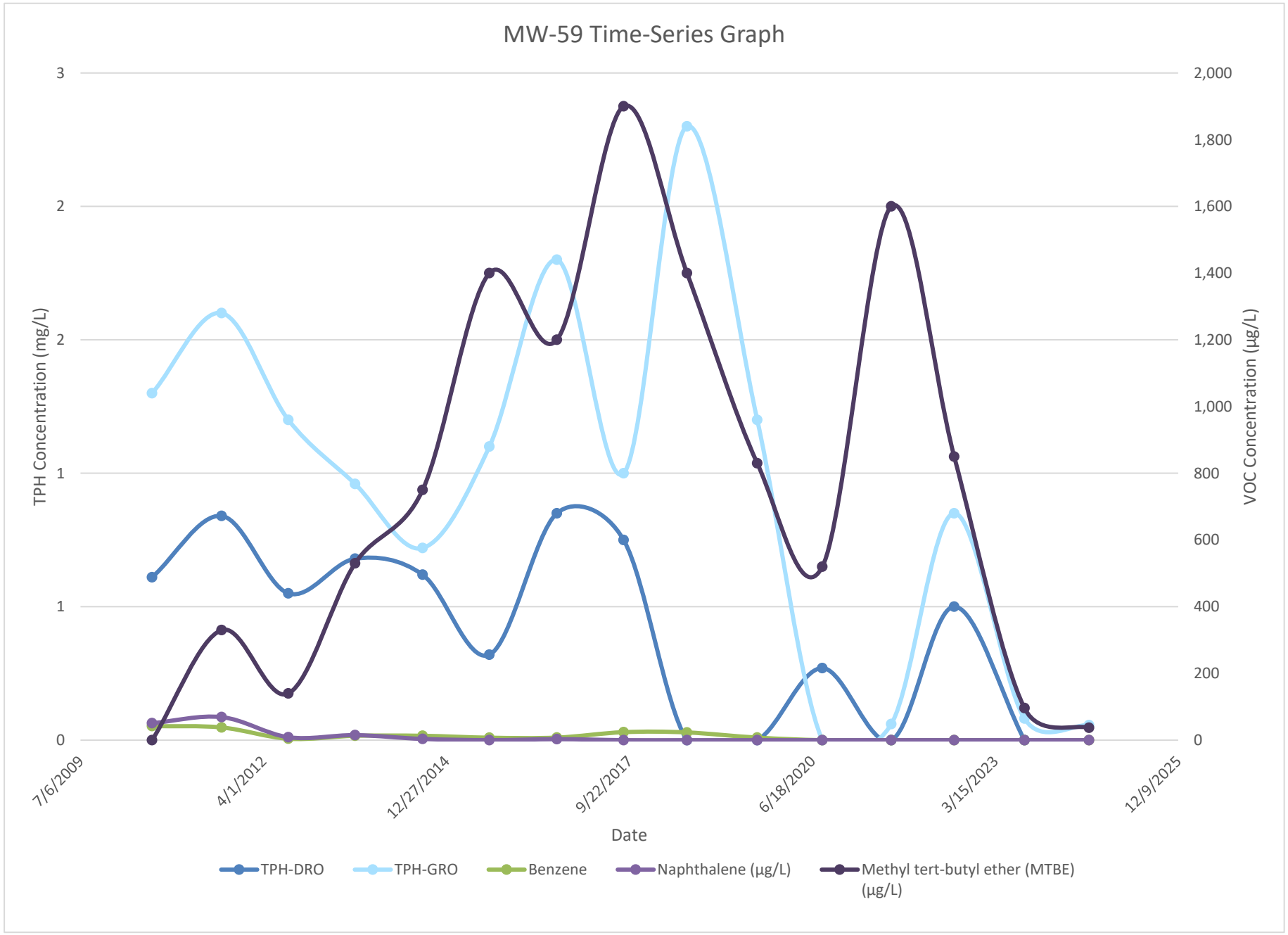

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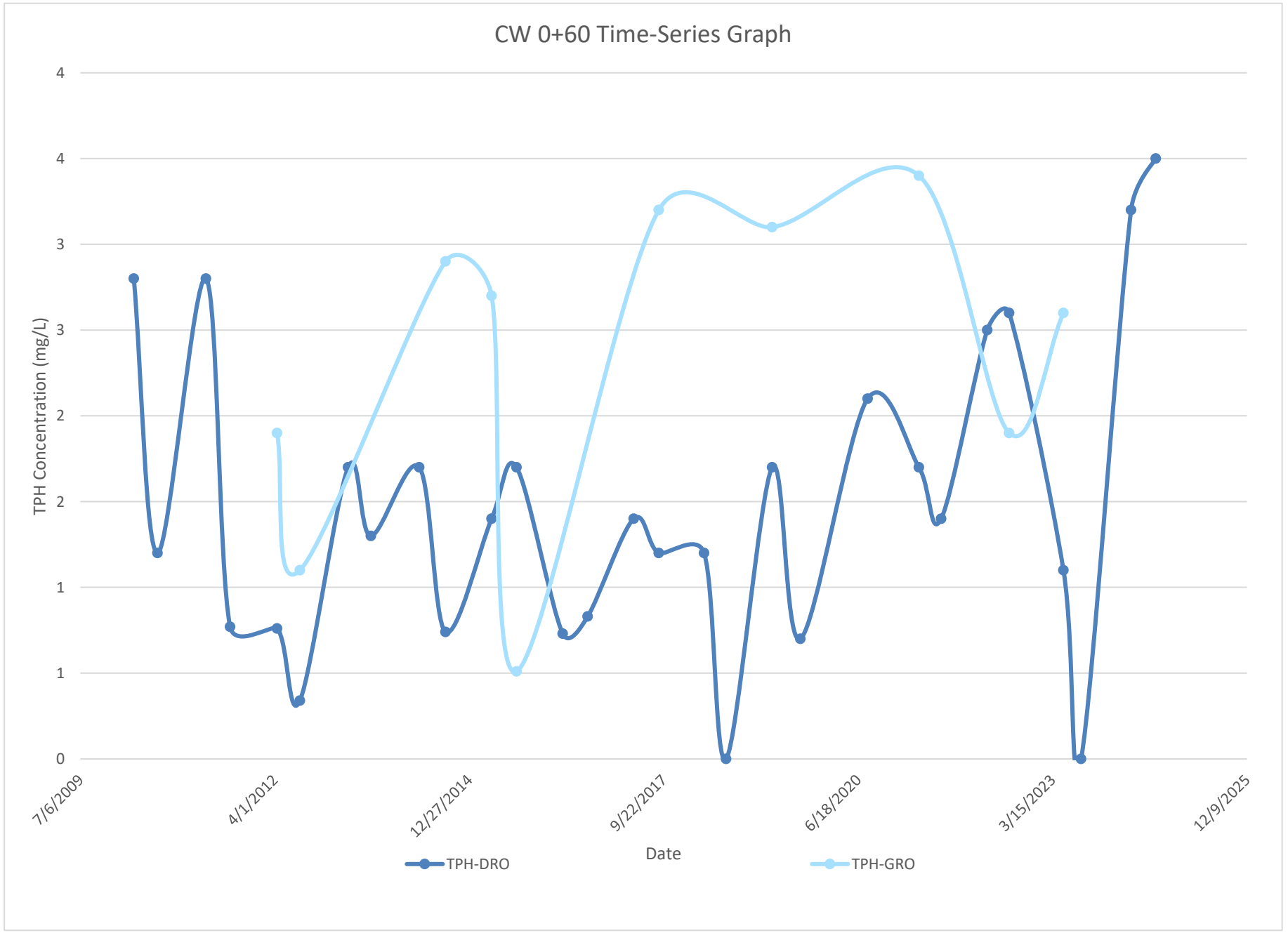
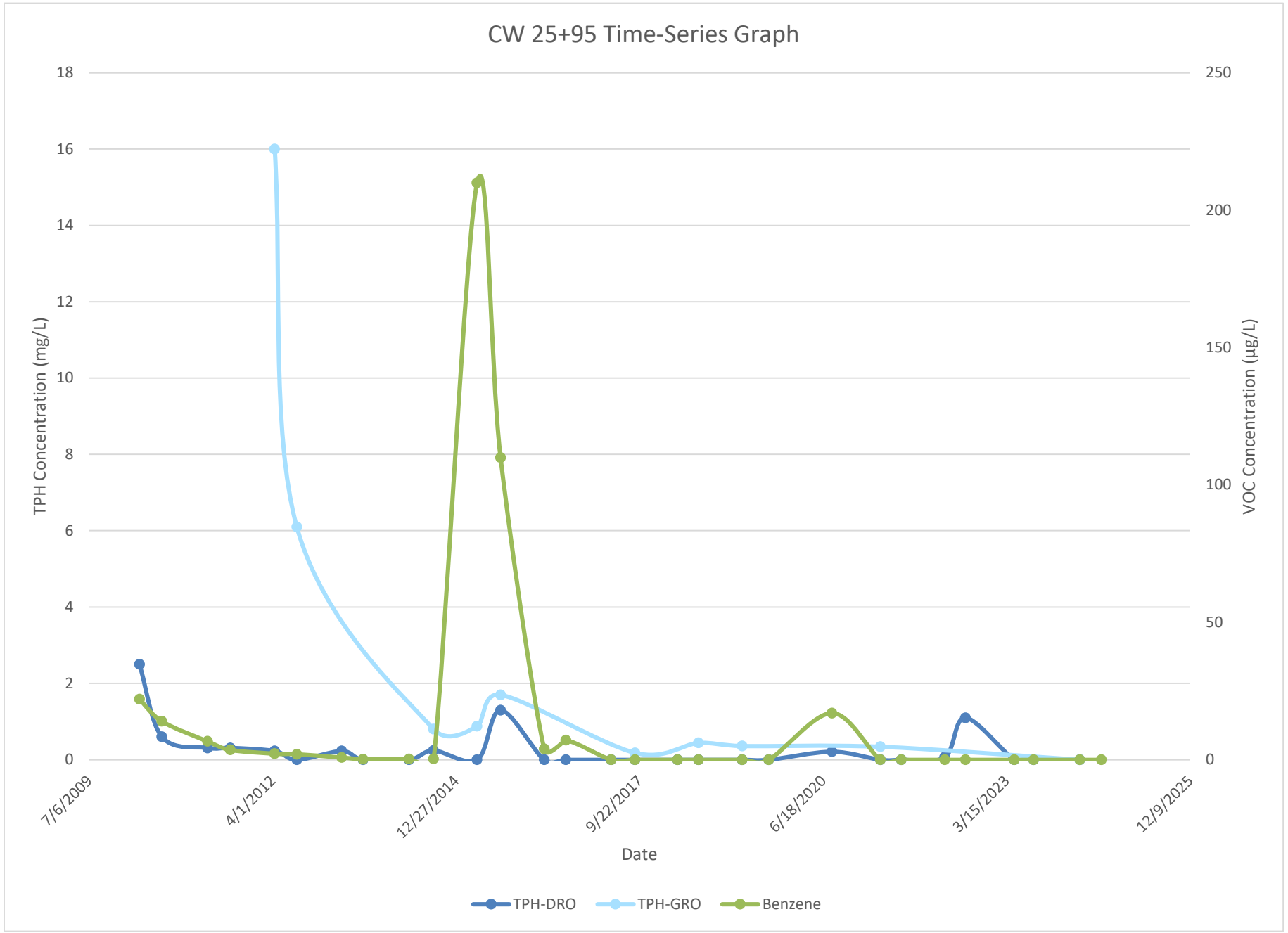
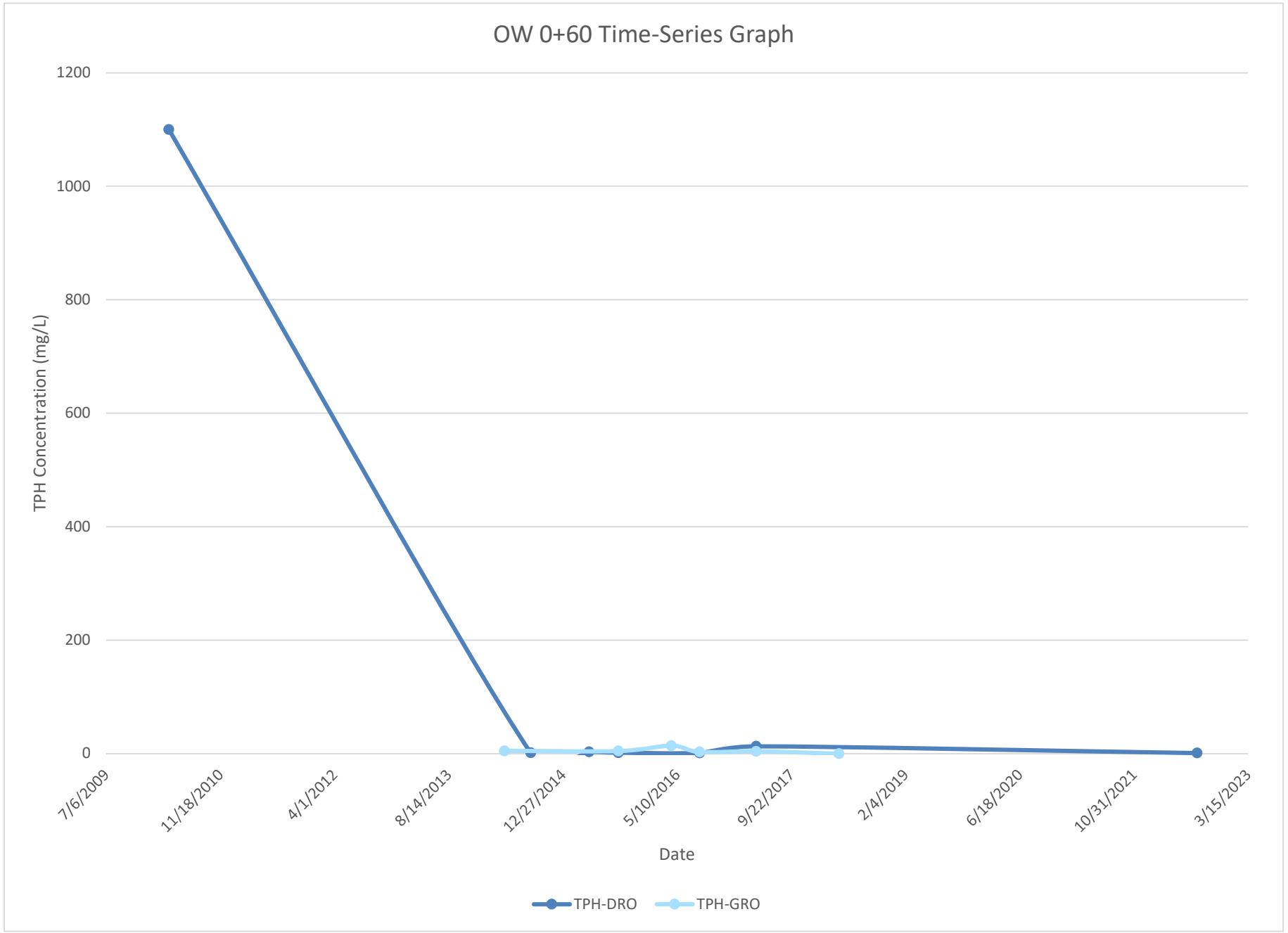
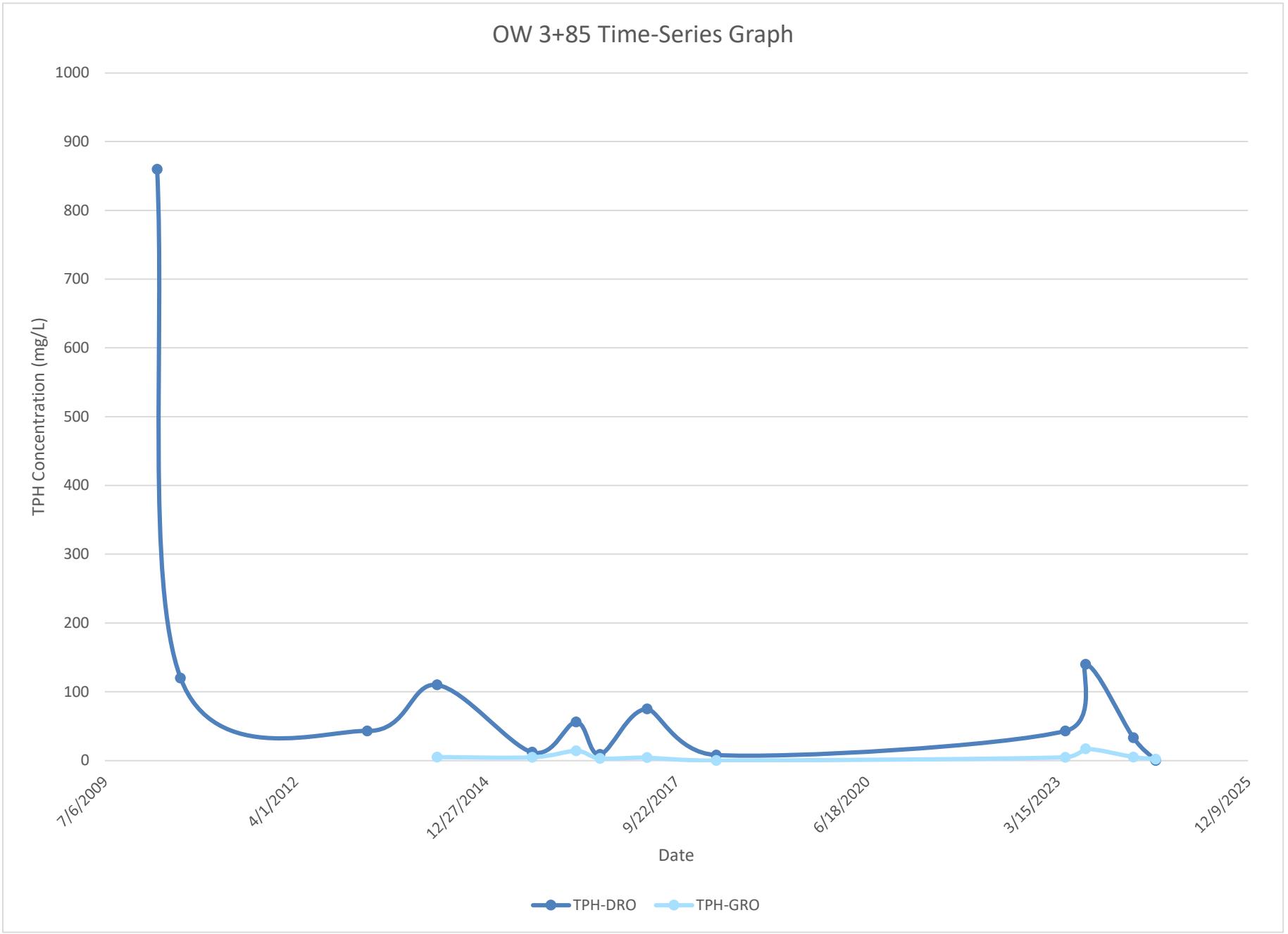
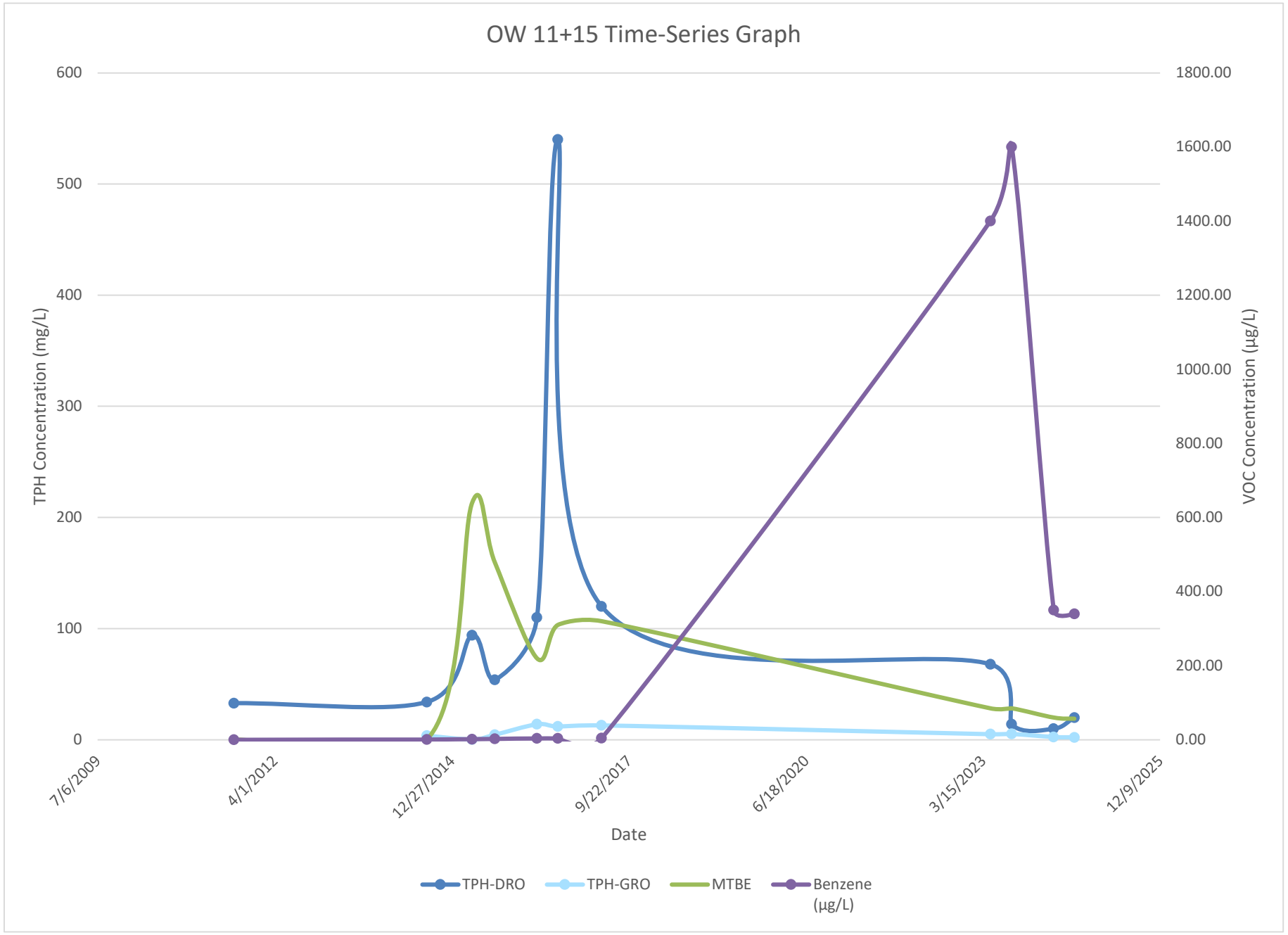
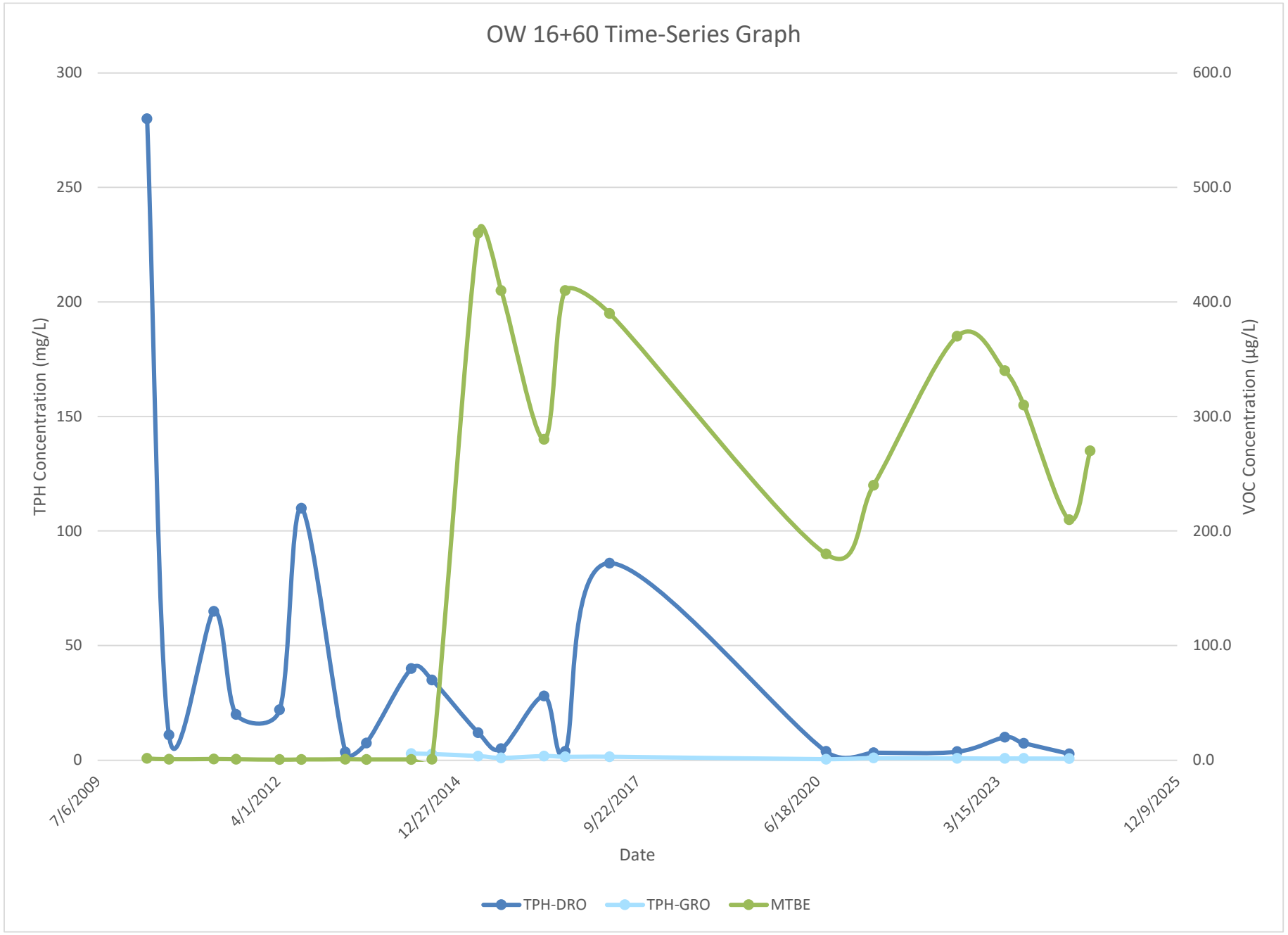


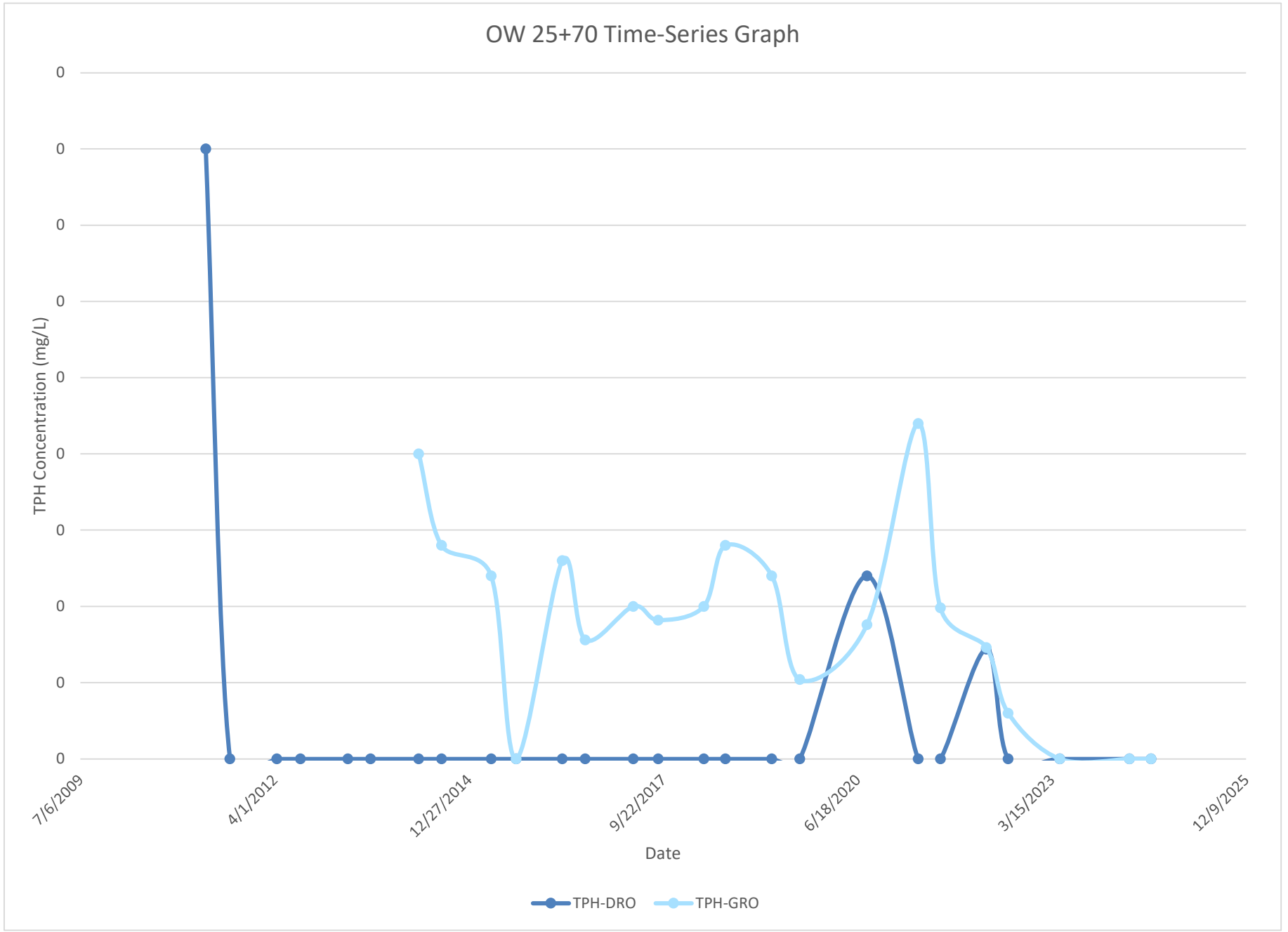

CW 25+95 Time-Series Graph
TPH Concentration (mg/L)
VOC Concentration (µg/L)
18
16
14
12
10
8
6
4
2
0
250
200
150
100
50
0
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO
Benzene


OW 0+60 Time-Series Graph
1200
1000
800
600
400
200
0
TPH Concentration (mg/L)
7/6/2009
11/18/2010
4/1/2012
8/14/2013
12/27/2014
5/10/2016
9/22/2017
2/4/2019
6/18/2020
10/31/2021
3/15/2023
Date
TPH-DRO
TPH-GRO


OW 3+85 Time-Series Graph
1000
900
800
700
600
500
400
300
200
100
0
TPH Concentration (mg/L)
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO


OW 11+15 Time-Series Graph
TPH Concentration (mg/L)
VOC Concentration (µg/L)
600
500
400
300
200
100
0
1800.00
1600.00
1400.00
1200.00
1000.00
800.00
600.00
400.00
200.00
0.00
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO
MTBE
Benzene (µg/L)


OW 16+60 Time-Series Graph
TPH Concentration (mg/L)
VOC Concentration (µg/L)
300
250
200
150
100
50
0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO
MTBE


OW 25+70 Time-Series Graph
TPH Concentration (mg/L)
0
0
0
0
0
0
0
0
0
7/6/2009
4/1/2012
12/27/2014
9/22/2017
6/18/2020
3/15/2023
12/9/2025
Date
TPH-DRO
TPH-GRO

MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

Certified Mail - Return Receipt Requested

April 03, 2025

Mr. Bobby McNamar
Terminal Manager
Western Refining Southwest, LLC
Bloomfield Terminal
#50 County Road 4490
Bloomfield, New Mexico 87413

RE: APPROVAL WITH MODIFICATIONS
2023 FACILITY-WIDE GROUNDWATER MONITORING PLAN
AND RESPONSE TO COMMENTS, JANUARY 2023
WESTERN REFINING SOUTHWEST, LLC – BLOOMFIELD TERMINAL
SAN JUAN COUNTY, BLOOMFIELD, NEW MEXICO
EPA ID# NMD089416416
HWB-WRB-23-003

Dear Mr. McNamar:

The New Mexico Environment Department (NMED) has received Western Refining Southwest, LLC, dba Marathon Petroleum Company's (Western's) Bloomfield Terminal (Former Bloomfield Refinery's) *2023 Facility-Wide Groundwater Monitoring Plan and Response to Comments* (Monitoring Plan, RTC), dated June 30, 2023 and received July 3, 2023. NMED has reviewed the RTC and determined that Western has adequately addressed all of NMED comments from the January 6, 2023 Disapproval letter for the *2022 Facility-Wide Groundwater Monitoring Plan (2022 Monitoring Plan)* in the 2023 Monitoring Plan. NMED also revised the Monitoring Plan and hereby issues this Approval with Modifications with the following comments.

Comment 1

In the cover letter, Ricardo Maestas is addressed as Bureau Chief and Dave Cobrain and Cristina Eads are listed in the CC list. Additionally, on the title page of the Monitoring Plan, under the "Prepared For" block, the document is sent to Attn: Dave Cobrain. As of 2024, JohnDavid Nance is the Bureau Chief of the Hazardous Waste Bureau (HWB), Dave Cobrain has retired from the Permits Program Manager position since September 2023, and Cristina Eads is no longer with HWB. Neelam Dhawan is the current Permits Program Manager. Western must address all future communications to JohnDavid Nance and remove Dave Cobrain, Cristina Eads, and Ricardo Maestas from all future correspondence. Furthermore, Comment 1 from NMED's

January 6, 2023 Disapproval letter for the 2022 Monitoring Plan can be disregarded since the addressee has changed since the 2023 submission. No response required.

Comment 2

On Page i of the Executive Summary, there is a typographical error in the header document title, "*2022 Groundwater Remediation and Monitoring Annual Report*". Correct the header to "*2023 Facility-Wide Groundwater Monitoring Plan*" and provide a replacement page with the response letter.

Comment 3

Section 1.0 (Title), page 1, paragraph 3 states, "Western is recommending discontinuing operation of the River Terrace bioventing/air sparging system for a period of time to evaluate contaminant rebound in groundwater at the River Terrace. Additional justification and details regarding the recommendation to cease system operation were provided in the River Terrace Annual Report Voluntary Bioventing/Air Sparging System January – December 2022 submitted to the NMED on March 30, 2023." All discussion and comments regarding discontinuing the operation of the biovent/air sparge system in this Monitoring Plan will be addressed under a separate response to Western's March 30, 2023 *River Terrace Annual Report Voluntary Bioventing/Air Sparge System January - December 2022*. No response required.

Comment 4

Section 5.2 (Title), page 6, appears to have two typographical errors with the bulleted item and a missing title of a subsection. Under the bulleted list of sample locations titled, "River Terrace – 11 Sample Locations", the fourth bullet point states "Sampling Analyses". In addition, the next paragraph, which discusses sample analyses, does not have a title. Correct the fourth bullet point to state "(1) Collection Gallery" and move "Sampling Analyses" to the title of the next paragraph. Provide a replacement page(s) with the response letter.

Comment 5

Section 6.2 (Title), page 8, paragraph 3 states, "Western recommends the addition of quarterly gauging events on a subset of wells to monitor for rebound at the River Terrace area, if the discontinuation of biovent/air sparge system operation is approved by NMED." All discussion and comments in this Monitoring Plan regarding discontinuing the operation of the biovent/air sparge system will be addressed under a separate response to Western's March 30, 2023 *River Terrace Annual Report Voluntary Bioventing/Air Sparge System January - December 2022*. No response required.

Comment 6

Section 6.4 (Title), page 10, Step 7 states, "[f]or wells with insufficient recharge during sustained pumping where stabilization of parameters cannot be achieved, samples will be collected in the following manner: collect parameters, when the well purges dry the total volume of water removed will be noted, the well will be allowed to recover and the sample will be collected. Parameters will be collected prior to sample collection." It would facilitate NMED's review if the list of steps describing the procedure for sampling wells with insufficient recharge in Step 7 were presented as a bulleted list of steps. Revise Section 6.4 and provide a replacement page with the response letter.

Comment 7

Section 6.7 (Title), page 12, the third bullet point continued from the previous list states, "[a]t a minimum, all samples will be submitted to the laboratory within 48 hours after their collection." If the samples are sent within 48 hours after their collection, 48 hours would be the maximum hold time before shipment. Revise the third bullet point to change "minimum" to "maximum" or delete "At a minimum" from the statement. Provide a replacement page with the response letter.

Western must address all comments requiring revisions to the Monitoring Plan and submit replacement pages for this Approval with Modifications. The replacement pages must be accompanied by a response letter that details where all revisions have been made, cross-referencing NMED's numbered comments and must be submitted to NMED no later than **May 16, 2025.**

This approval is based on the information presented in the document as it relates to the objectives of the work identified by NMED at the time of review. Approval of this document does not constitute agreement with all information or every statement presented in the document.

If you have any questions regarding this letter, please contact Leona Tsinnajinnie at (505) 690-7820.

Sincerely,

JohnDavid Nance
Chief
Hazardous Waste Bureau

cc: N. Dhawan, NMED HWB
L. Tsinnajinnie, NMED HWB
D. Young, NMED HWB
R. Harris, Marathon
D. Hencmann, Ensolum
L. King, EPA Region 6 (6LCRRC)

File: WRB 2025 and Reading

Kateri A. Luka
Environmental Department

Tesoro Refining & Marketing Company LLC
A subsidiary of Marathon Petroleum Corporation

Los Angeles Refinery – Carson Operations
2350 E. 223rd Street
Carson, California 90810
310-816-8100

June 30, 2023

Mr. Ricardo Maestas
Bureau Chief
New Mexico Environmental Department
Hazardous Waste Bureau
2095 Rodeo Park Drive East, Building #1
Santa Fe, New Mexico 87505-6313

Re: Bloomfield Terminal-2023 Facility-Wide Groundwater Monitoring Plan and Response to Comments
Western Refining Southwest, Inc.
Bloomfield Terminal (Former Bloomfield Refinery)
#50 Rd 4990
Bloomfield, New Mexico 87413

Dear Mr. Maestas,

Marathon Petroleum Corporation is pleased to submit our 2023 Facility-Wide Groundwater Monitoring Plan for the above-referenced site. This report was prepared in accordance with the July 2007 Consent Order issued by NMED HWB Section IV.A.2 for the Bloomfield Terminal.

In addition, please find a table below that includes detailed responses to the comments provided in the NMED *Disapproval Facility-Wide Groundwater Monitoring Plan, January 14, 2022* dated January 6, 2023. As required in the aforementioned letter, comments have been addressed in the 2023 version of the Monitoring Plan and an updated 2022 Monitoring Plan is not required.

We trust this report provides you with the information you require at this time. Should you have any questions regarding the information presented in this report, or need further assistance, please contact the undersigned at (714) 713-1218.

Sincerely,

Senior Environmental Specialist

Kateri A. Luka
Environmental Department

Tesoro Refining & Marketing Company LLC
A subsidiary of Marathon Petroleum Corporation

Los Angeles Refinery – Carson Operations
2350 E. 223rd Street
Carson, California 90810
310-816-8100

cc: Cristina Eads, NMED
Leona Tsinnajinnie, NMED
Dave Cobrain, NMED
Devin Hencmann, Ensolum

ENSOLUM

RESPONSE TO COMMENTS
Bloomfield Terminal - Facility-Wide Groundwater Monitoring Plan, January 14, 2022
Marathon Petroleum Corporation
San Juan County, New Mexico

Comment	Page in 2023 Monitoring Plan	Comment (NMED)	Response/Resolution (AECOM/MPC)
1	Title Page	All personnel and contractors performing work for this Facility should be familiar with the July 2007 Order (Order) to provide the required information to NMED. The Monitoring Plan is subject to the requirements in Sections IV.A.1 (Facility-Wide Groundwater Monitoring Plan) and X.B (Investigation Work Plan) of the Order. Address the following: a. Section III.F (Notices) requires that all correspondence and documents be addressed to the Bureau Chief. Our Bureau Chief is currently Rick Shean. All other NMED staff must be CC'd on our letters. Correct the addresses in future correspondence. b. The signature block as described in Section X.B.1 (Title Page of the Order is missing information from the title page. It appears that this information was provided in the pages following the title page. NMED has attached an example of the title page from a past report submittal as an example. Include the information in accordance with Section X.B.1 of the Order in the upcoming Monitoring Plan.	The title page has been updated to include the information in accordance with Section X.B.1 of the Order and the 2023 Monitoring Plan is addressed to current Bureau Chief Dave Cobrain.
2	ES (i), Pages 1 and 8	In the Executive Summary, page ES-1, paragraph 1, Western states, "[t]his Bloomfield Terminal (Former Bloomfield Refinery) Facility-Wide Groundwater Monitoring Plan was prepared in accordance with the requirements outline[d] in Section IV.A.2. of the July 2007 Consent Order (NMED, 2007) issued by the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB)." Section IV.A.2 (Facility-Wide Groundwater Monitoring Reports) of the Order details requirements for the Facility-Wide Groundwater Monitoring Reports. The Monitoring Plan is subject to the requirements outlined in Sections IV.A.1 and X.B. Correct this statement with the appropriate Order citations in the 2023 version of the Monitoring Plan.	The 2023 Monitoring Plan has been updated with the appropriate Order citations.
3	ES (i), Pages 1 and 9	In the Executive Summary, page ES-1, paragraph 2, Western states, "[t]he objective of this monitoring plan revision is to replace the April semiannual sampling event with one annual groundwater monitoring event (facility-wide) to be performed in August of each calendar year." This statement is not clear. It is NMED's understanding that Western is proposing to remove the April semiannual sampling event altogether. Clarify this statement in the 2023 version of the Monitoring Plan	The 2023 Monitoring Plan recommends the continuation of the April semiannual sampling event, which Western had previously recommended be removed from the plan in the 2022 Facility-Wide Groundwater Monitoring Plan submittal dated January 17, 2022. Western has requested to cease operation of the biovent/air sparge system at the River Terrace area. As such, it is recommended that semiannual monitoring continue in order to monitor groundwater levels and groundwater concentrations in a subset of monitoring wells, including several observation wells, collection wells, and wells present in the River Terrace area.
4	ES (i and ii)	In the Executive Summary, page ES-1, paragraph 3, Western inconsistently describes the proposed sampling program in the Executive Summary. For example, only some of the sample locations for some constituents of concern (COCs) are described. Specifically, the sample locations for the volatile organic compounds (VOCs) are not specified. Include a discussion identifying which COCs will be collected for consistency in the 2023 version of the Monitoring Plan.	The Executive Summary of the 2023 Monitoring Plan has been updated and simplified to eliminate confusion and potential inconsistency. A reference to Table 3 has been added in to direct the reader to the information regarding which analyses will be performed at each sample location. Western believes this information is best provided in table format rather than text.
5	ES (i), Pages 1 and 9	In Section 3 (Monitoring Plan Objectives and Justification), page 3, paragraph 3, bullet items 1 through 4, Western provides a list of justifications for revising the monitoring plan to reduce the monitoring events to one annual groundwater monitoring event to be performed in August of each year. However, the justifications require additional support and discussion to demonstrate that the groundwater monitoring sampling and collection frequency for all monitoring wells can be reduced from semiannual to annual. Evaluate the data from the previous Annual Reports and provide additional discussion in the upcoming Annual Report to support the above-mentioned proposed changes. Evaluate data from previous annual reports to support the stated justifications as required Section X.B.11 (Tables) of the Order and include the reasoning for why semiannual sampling was original prescribed in the upcoming monitoring report. NMED will make a determination about sampling frequency at that time.	The 2023 Monitoring Plan recommends the continuation of the April semiannual sampling event, which Western had previously recommended be removed from the plan in the 2022 Facility-Wide Groundwater Monitoring Plan submittal dated January 17, 2022. Western has requested to cease operation of the biovent/air sparge system at the River Terrace area. As such, it is recommended that semiannual monitoring continue in order to monitor groundwater levels and groundwater concentrations in a subset of monitoring wells, including several observation wells, collection wells, and wells present in the River Terrace area. Additional justification was provided in the *River Terrace Annual Report Voluntary Bioventing/Air Sparging System January – December 2022* submitted to the NMED on March 30, 2023.
6	Pages 5 and 6, Table 3	Section 3, page 3, bullet item 2 states, "[o]f the 32 monitoring wells currently sampled during the semiannual event and 97 monitoring wells sampled annually, 18 semiannual monitoring wells (or 56%) and 44 annual monitoring wells (or 48%), are not sampled due to either being dry or the presence of phase separated hydrocarbons (PSH). Given this low sample collection rate, the semiannual sampling event could be eliminated as histori[cal] conditions in these wells have not changed (Facility-Wide annual report) (Western, 2020)." This statement is confusing. Based on the numbers provided, it appears that there are either a total of 129 wells that are sampled (both annually and semiannually), or only 67 of the 129 wells are sampled (both annually and semiannually). Furthermore, this statement does not specify if the wells from the River Terrace monitoring wells, temporary piezometer wells, bioventing wells, and GAC sampling points are included in the total number of wells for this evaluation. The number of wells previously mentioned also appear not to align with the number of wells sampled according to the most recent reports, with or without the River Terrace sample locations. Recent years' monitoring reports indicate the number of wells sampled have not remained consistent. It would be helpful for future monitoring plans to state the total number of monitoring wells for each area in the upcoming Monitoring Plan. Furthermore, the Permittee must also include the following monitoring wells in the upcoming Monitoring Plan: MW-71, MW-72, MW-73, MW-74, MW-75, MW-76, and MW-77. These monitoring wells are located in the Process Area and were installed during the Group 9 investigation and proposed to be included in the monitoring program in the 2015 Monitoring Plan.	Section 3, page 3, bullet item 2 of the 2022 Facility-Wide Groundwater Monitoring Plan provided justification for monitoring frequency reduction from semiannual to annual. The 2023 Monitoring Plan has removed that recommendation and, thus, the associated wording mentioned in this comment. In addition, monitoring wells MW-71 through MW-77 are included in the plan. The proposed number of monitoring wells to be sampled in each area have now been included in the appropriate sections and tables.
7	Pages 5 and 6, Table 3	Section 5.3 (San Juan River Terrace Monitoring), page 7, paragraph 3, states, "[i]n a letter from NMED dated June 15, 2015, Western received approval to discontinue sampling at TP-3, TP-10, TP-11, TP-12, and TP-13 (NMED, 2015b). However, depth-to-groundwater data continues to be collected at these locations." Although Western adequately explained why the select temporary piezometer wells were not included for sample analyses, there was no explanation why monitoring well MW-8 and recovery RW-28 were not included for sample analyses in the Monitoring Plan. Provide an explanation for why the above referenced wells were not selected for sampling in the response letter with the 2023 version of the Monitoring Plan.	The omission of monitoring well MW-8 and recovery well RW-28 from the 2022 Facility-Wide Groundwater Monitoring Plan was erroneous. The 2023 Monitoring Plan has been updated to include these wells.
8	Pages 5 and 6, Table 3	Section 6.1 (Sampling Locations), pages 7 and 8, provide a list of wells that are proposed to be sampled annually at the Terminal Area and River Terrace. However, there appears to be typographical errors in Table 4 (Facility-Wide Monitoring Plan Summary - Terminal Area) that suggest analytical testing will not be conducted on monitoring well MW-50. Also, collection well CW 5+95 is not listed in Table (Terminal Monitoring Wells or Table 4). Provide an explanation for the decision to not collect samples from MW-50 and explain why CW 5+95 is not listed in Table 1 or Table 4 in a response letter with the 2023 version of the Monitoring Plan.	The missing sample collection information for MW-50 in the 2022 Facility-Wide Groundwater Monitoring Plan was erroneous. In addition, the text of the 2022 Plan incorrectly identifies well CW 5+95 rather than well CW 25+95. The 2023 Monitoring Plan has been updated with the correct information.

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RESPONSE TO COMMENTS
Bloomfield Terminal - Facility-Wide Groundwater Monitoring Plan, January 14, 2022
Marathon Petroleum Corporation
San Juan County, New Mexico

Comment	Page in 2023 Monitoring Plan	Comment (NMED)	Response/Resolution (AECOM/MPC)
9	Page 8	In Section 6.2 (Soil Gas Sampling), page 9, paragraph 1, Western states "[t]he soil gas samples will be analyzed for BTEX and TPH-GRO (Table 5) as described in Section 7 below.6)." The statement contains a typographical error. The statement ends with "as described in Section 7 below.6)." Remove "6)." from the statement to correct this error in the 2023 version of the Monitoring Plan.	This error has been corrected in the 2023 Monitoring Plan.
10	Pages 9 and 10	Section 7.1.3 (Well Purging), page 10, paragraph 1, states "[g]roundwater field parameters (temperature, pH, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and total dissolved solids (TDS), will be collected after purging one well volume (via hand bailing) or in accordance with NMED's Low Flow sampling guidance. Total purge volume purged will be determined by monitoring groundwater pH, electrical conductance, and temperature parameters until they have stabilized to within 10 percent for three measurements." Section 6 (Low-Flow Sampling Procedure), page 8, bullet item 7 of NMED's Low Flow sampling guidance states that "pt]he well is considered to be stable when indicator parameters have stabilized over three consecutive readings spaced a minimum of 5 minutes apart and when the indicator parameters fall within the ranges [in] Table 1 (Indicator Parameter Stabilization). These parameters are: ±0.5 pH, ±10% specific conductance, ±10% temperature, ±10% dissolved oxygen, and ±10% turbidity. Revise the statement to include this information from NMED's low flow sampling guidance in the revised Monitoring Plan and explain why parameters may be collected after only one well volume is purged via hand bailing rather than beginning after purging one purge volume. Also, it is not clear if DO will be included in the monitoring of the groundwater field parameters. Clarify this statement in the 2023 version of the Monitoring Plan.	Groundwater field parameters, including temperature, pH, conductivity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and total dissolved solids (TDS) will be collected after purging each well volume via hand bailing, if low flow purging cannot be sustained, or in accordance with NMED's low flow sampling guidance. For wells that cannot sustain low flow purging due to insufficient water within the well casing or a slow recharge rate and a drop in groundwater elevation that does not meet the NMED's low flow sampling guidance requirements, samples will be collected after purging a minimum of one well volume. Final purge volumes will be dependent upon recharge rate. For wells that can be sampled via low flow procedures, total volume purged will be determined by monitoring groundwater pH, specific conductivity, temperature, DO, and turbidity parameters until they have stabilized. Per NMED's Low Flow sampling guidance, readings will be considered stabilized when the parameters are within the specified ranges and/or percent differences over three consecutive readings, spaced a minimum of 5 minutes apart. These ranges have been provided in the 2023 Monitoring Plan.
11	Page 11	Section 7.1.5 (Soil Gas Collection) contains multiple tense changes and an incomplete sentence in paragraph 3 of the section. For example, "[t]he temporary piezometers and bioventing wells will be equipped with an air-tight well cap for sample extraction through a sample port/opening at the top of the well casing. Flexible poly tubing connects to the underside of the cap and extends down into the well casing to approximately one foot above the water table." Review the current Monitoring Plan and correct the grammatical errors in the 2023 version of the Monitoring Plan.	The grammatical errors from the 2022 Facility-Wide Groundwater Monitoring Plan have been corrected in the 2023 Monitoring Plan.
12	Page 11	Section 7.1.5 (Soil Gas Collection), page 11, paragraph 2, states, "[t]he vacuum pump is operated at a low flow rate (approximately liter per minute) to purge stagnant air out of the soil gas sampling assembly. The well volumes will be calculated and approximately three purge volumes are withdrawn from the well casing prior to sample collection." Address the following: a. There appears to be a typographical error in the statement because a numerical value was not provided for the vacuum pump low flow rate. State the low flow rate that will be applied during soil gas sampling in the 2023 version of the Monitoring Plan. b. The purge volume was not defined. State the purge volume in the 2023 version of the Monitoring Plan. c. Section VII.A.8 (Subsurface Vapor-phase Monitoring and Sampling) of the Order states, "[t]he well shall be purged a minimum of five well volumes prior to collection of samples or field measurements." If Western changes the number of well volumes to be purged during the monitoring event prior to collecting field measurements and samples, Western must discuss the reason for the change in the Annual Report. If Western intends to keep the changes, they must propose the change in the 2023 version of the monitoring plan and explain why the change should be permanent. Western must receive prior approval from NMED before implementing it in future monitoring events.	The typographical error has been corrected in the 2023 Monitoring Plan and the low flow rate has been specified. Additionally, the purge volume of three well volumes was erroneous. Although only three well volumes were purged during the 2022 sampling event, due to the error in the submitted monitoring plan, this will be corrected moving forward and the text has been updated in the 2023 Monitoring Plan. The well volumes will be calculated based on current well depth and a minimum of 5 well volumes will be withdrawn from the well casing prior to sample collection.
13	Page 12	In Section 7.1.6 (Sample Handling), page 12, paragraph 6, the Respondent states, "[a]t a minimum, all samples will be submitted to the laboratory within 48 hours after their collection." Samples can be submitted to the laboratory the same day they are collected. However, it is not clear from the statement if the samples are being held for 48 hours and then being shipped, or if there are other factors involved that do not allow the samples to be submitted on the day they are collected. Clarify the statement in the 2023 version of the Monitoring Plan.	At a minimum, all samples will be submitted to the laboratory within 48 hours after their collection. Western and the sampling consultant will make an attempt to submit the samples the same day they are collected; however, laboratory courier availability may affect the ability to submit the samples on the same day. Delays in submitting the samples to the laboratory and the associated reasoning will be written in the field notes. This clarification has been provided in the 2023 Monitoring Plan.
14	Page 14	Section 7.2.1 (Field Documentation), page 14, paragraph 1, bullet item 9, "Photo log (if needed)." Based on NMED's review of the River Terrace Annual Report Voluntary Bioventing/Air Sparging System (January - December 2020), Western has demonstrated a need to provide field documentation. Although the Photo Log can remain "as needed," Western must include copies of the field logbooks with the monitoring reports. Review the 2023 version of the Monitoring Plan to include the field notes in all future monitoring reports.	The 2023 Monitoring Plan has been revised to state that copies of the field logbooks and all other sampling and monitoring documentation, including copies of gauging data sheets, purge forms, laboratory chains of custody, and soil gas sampling data sheets, will be provided as an attachment to all future monitoring reports for both the Facility-Wide and River Terrace sites.
15	Table 1	In Table 1 (Terminal Area Monitoring Wells), under Background Wells for monitoring well MW-BCK2 (row 2), the columns labeled *Depth to Nacimiento Formation (ft bgs)* and *Elevation of Nacimiento Surface (ft above msl)* state "See Log." However, the logs have not been provided in the Monitoring Plan. Western should have this information and must include it in the table. Revise Table 1 to include the missing data and provide a note at the end of the table that states "See well logs for more information" in the 2023 version of the Monitoring Plan.	Table 1 in the 2023 Monitoring Plan has been updated to include the missing information for MW-BCK2. The Nacimiento Formation was not encountered during the installation of well MW-BCK2. The note "See well logs for more information" has also been added to the table.
16	Table 3	Table 4 (Facility-Wide Monitoring Plan Summary - Terminal Area) depicts the laboratory testing performed on samples collected from specific wells located in the Terminal Area. Although monitoring well MW-50 is included in Table 4, analytical testing has not been selected for this monitoring well. If samples will not be collected for monitoring well MW-50, provide a statement similar to the Sump Wells in Table 4 of the 2023 version of the Monitoring Plan. See also Comment 8.	The missing analyses for MW-50 in Table 4 of the 2022 Facility-Wide Groundwater Monitoring Plan was erroneous. This has been corrected in Table 3 of the 2023 Monitoring Plan.
17	Page 2, Table 3	Western submitted a letter to NMED dated March 8, 2022 that requested to "discontinue operation of the Bioventing and Air Sparging system at the River Terrace because "the system components have become outdated and are in need of repair." Though this request was submitted to NMED after the Monitoring Plan was submitted, the Monitoring Plan fails to mention the inadequacies of the bioventing and air sparging system, and how Western plans to address the needed repairs should NMED require its continued operation. Include a discussion about the inadequacies of the bioventing and air sparging system, and how Western plans to address the needed repairs in the 2023 version of the Monitoring Plan.	A discussion about the inadequacies of the bioventing and air sparging system and additional justification for the proposed system shutdown was provided in the *River Terrace Annual Report Voluntary Bioventing/Air Sparging System January – December 2022* submitted to the NMED on March 30, 2023, as required by Comment 5. Information about how Western plans to address needed repairs if system shutdown is not granted has been provided in the 2023 Monitoring Plan as is an alternative sampling schedule for the wells located at the River Terrace area.

ENSOLUM

BLOOMFIELD TERMINAL
2023 FACILITY-WIDE GROUNDWATER MONITORING PLAN

January 2023

Property:

Bloomfield Terminal
Western Refining Southwest LLC
#50 Rd 4990
Bloomfield, New Mexico 87413

US EPA ID: NMD089416416
Interim Status Unit No. 1
SWMU No. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 27
AOC No. 19, 20, 21, 22, 23, 24, 25, 26

June 29, 2023

Prepared for:

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EXECUTIVE SUMMARY

This 2023 Facility-Wide Groundwater Monitoring Plan (Plan) for the Bloomfield Terminal (Terminal), owned by San Juan Refining Company and Operated by Western Refining Southwest, Inc. (Western), was prepared in accordance with the requirements outlined in Section IV.A.1 and Section X.B. of the July 2007 Consent Order (NMED, 2007) issued by the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB). This Plan also satisfies the requirements of the of the Terminal's New Mexico Energy, Minerals, and Natural Resources Department Oil Conservation Division (OCD) Discharge Permit GW-001.

The purpose of this Plan is to characterize the nature and extent of impacts to groundwater at and migrating from the Terminal, and to monitor the effectiveness of the Terminal's interim containment and remediation systems, specifically the North Boundary Barrier Wall and the River Terrace Bioventing System.

This Plan updates the previous *Facility-Wide Monitoring Plan*, submitted in 2014 and approved by the NMED on June 15, 2015, (NMED, 2015) based on data collected between 2014 and 2023, the formal incorporation of sampling locations that have been added across the Terminal, including monitoring wells MW-71 through MW-78, and the formal incorporation of soil vapor monitoring. This revision also recommends the continuation of the high flow and/or April semiannual sampling event, which Western had previously recommended be remove in the *2022 Facility-wide Groundwater Monitoring Plan* submittal dated January 17, 2022. The 2022 version of the Plan has not been approved by the NMED.

This Plan divides the Terminal into four areas for periodic monitoring; the Former Refinery Complex, the North Boundary Barrier, the San Juan River Bluff, and the San Juan River Terrace. The number of sampling locations, target analytes, and monitoring frequencies vary by area. With exception of the sump wells, designated monitoring wells and sample points in these areas will be monitored on a semiannual frequency, with a more-comprehensive monitoring well network sampled on an annual frequency (conducted in August of every year). Fluid levels from the sump wells are measured after major precipitation events only. Semiannual monitoring at the River Terrace area will occur during high flow conditions of the San Juan River, as applicable, and semiannual monitoring of the Terminal Area will occur during April of each year, as outlined in **Table 3**. If no high flow conditions of the San Juan River are anticipated for the year, the semiannual monitoring event at the River Terrace will occur simultaneously with the Terminal Area semiannual event. Specific locations to be sampled during the semiannual and facility-wide annual monitoring events are outlined in **Section 5.0** of this report.

The sampling/monitoring locations at each area are summarized below and the well construction information is summarized in **Table 1**.

Terminal Area

- Monitoring Wells
  - Resource Conservation and Recovery Act (RCRA) Wells, background wells, process area wells, cross and downgradient wells
  - North Boundary Barrier Wall collection and observation wells
  - Recovery Wells
  - Sump Wells
- Outfalls

- Seeps, and
- San Juan River Samples

River Terrace

- Monitoring Wells
- Dewatering Wells
- Temporary Piezometers (TP)
- Bioventing Wells

Groundwater, soil vapor, and surface water samples collected during the semiannual and annual monitoring events will be analyzed for one or more of the following constituents:

Analysis
Volatile Organic Compounds
Volatile Organic Compounds-Target List
Total Petroleum Hydrocarbons-Diesel Range Organics
Total Petroleum Hydrocarbons-Motor Oil Range Organics
Total Petroleum Hydrocarbons-Gasoline Range Organics
Semi-Volatile Organic Compounds
Alkalinity/Carbon Dioxide
Anions
Specific Conductance
Total Dissolved Solids
Total Recoverable Metals-Target List
Total Dissolved Metals-Target List

The specific laboratory analytical methods and target analytes are summarized in Table 2. The laboratory analyses for each individual sample collected and the associated sampling frequency is summarized in **Tables 3**.

Results from the semiannual and annual monitoring events for the River Terrace area are summarized in the River Terrace Annual Report Voluntary Bioventing/Air Sparging System due to the NMED by March 1st of each year and all remaining results are summarized in the Groundwater Remediation and Monitoring Annual Report due to the NMED by April 15th of each year.

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LIST OF ACRONYMS AND ABBREVIATIONS

API	American Petroleum Institute
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
Bgs	Below ground surface
BS/BSD	Blank spike/blank spike duplicates
BV	Biovent well
DW	Dewatering well
DRO	Diesel range organics
DO	Dissolved oxygen
EPA	U.S. Environmental Protection Agency
Ft	Feet
GC/MS	Gas chromatograph/mass spectrometry
GRO	Gasoline range organics
MTBE	Methyl tert-butyl ether
MW	Monitoring well
MRO	Motor oil range organics
MS/MSD	matrix spike/matrix spike duplicates
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMED-HWB	New Mexico Environment Department Hazardous Waste Bureau
OCD	Oil Conservation Division
ORP	Oxidation reduction potential
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RPD	Relative percent difference
SPH	Separate phase hydrocarbons
SWMU	Solid Waste Management Unit
Terminal	The Bloomfield Terminal
TP	Temporary piezometer
TPH	Total petroleum hydrocarbon
VOC	Volatile organic compound
WWTS	Wastewater treatment system

2023 Facility-Wide Groundwater Monitoring Plan

US EPA ID: NMD089416416

1.0 INTRODUCTION

Owner:	Western Refining Southwest, LLC (Formerly Giant Industries Arizona, Inc.), an Arizona Corporation
Operator:	Western Refining Southwest, LLC (Formerly Giant Industries Arizona, Inc.), an Arizona Corporation
Site Name:	Bloomfield Terminal (Former Bloomfield Refinery)
US EPA ID:	NMD089416416
Location:	# 50 Road 4990 Bloomfield, New Mexico 87413

This 2023 Facility-wide GW Monitoring Plan ("Plan") was prepared in accordance with the requirements outlined in Section IV.A.1. and Section X.B. of the July 2007 Consent Order (NMED, 2007) issued by the NMED-HWB. This Plan governs sample collection from all Bloomfield Terminal sample locations including monitoring wells, points of groundwater discharge (outfalls and seeps), San Juan River surface samples, and the wells associated with the River Terrace remediation system. The Plan scope described below is intended to replace previously approved versions of the monitoring plan for the Bloomfield Terminal, referred to hereinafter as the "Terminal."

The most recently approved 2014 Facility-Wide Monitoring Plan (NMED, 2014) for the Terminal consists of sampling select monitoring wells and sample points during San Juan River high flow conditions for the River Terrace locations and in April of each year for the remaining locations at the Terminal Area on a semiannual frequency, with a more-comprehensive facility-wide monitoring well network sampled on an annual frequency during San Juan River low flow conditions in August of each year. During years in which high flow conditions are not expected, the semiannual event for the River Terrace locations is performed in April of each year. The objective of this monitoring plan revision is to update the previous Facility-wide Monitoring Plan, last approved in 2014, based on data collected over the previous nine years. This revision also recommends the continuation of the April semiannual sampling event, which Western had previously recommended be removed from the plan in the *2022 Facility-wide Groundwater Monitoring Plan* submittal dated January 17, 2022 (Western, 2022). The 2022 version of the Plan has not been approved by the NMED.

Western is recommending discontinuing operation of the River Terrace bioventing/air sparging system for a period of time to evaluate contaminant rebound in groundwater at the River Terrace. Additional justification and details regarding the recommendation to cease system operation were provided in the *River Terrace Annual Report Voluntary Bioventing/Air Sparging System January – December 2022* submitted to the NMED on March 30, 2023.

If the discontinuation of system operation is approved, the operator will collect groundwater samples from the River Terrace wells on a semiannual basis, either during high flow conditions or in April of each year if high flow conditions are not expected and in August of each year, to

monitor for potential VOC rebound during the shutdown period and to assess if further system operation is warranted. In the 2023 annual River Terrace monitoring report, the operator will provide NMED the results and recommendations for further remedial activities at the River Terrace. If necessary, Western will begin contacting manufacturers to obtain pricing for a replacement transfer pump so that dewatering can resume. An evaluation of existing system components will be performed in order to determine if any operational equipment is also in need of replacement.

2.0 SITE BACKGROUND

The Terminal, formerly known as the Bloomfield Refinery, is currently owned by San Juan Refining Company, a New Mexico corporation, and operated by Western Refining Southwest LLC. (Western), formerly known as Giant Industries Arizona, Inc. The Bloomfield Refinery was closed in 2009 and transitioned into a bulk fuels terminal.

Currently, the Terminal is a crude oil and petroleum product transfer and storage facility that includes truck loading and unloading. The Terminal stores and transfers crude oil, petroleum products (e.g., naphtha, unleaded gasoline, diesel, and kerosene), and ethanol and is used to transfer petroleum products between pipelines, trucks, and storage tanks. Crude oil and petroleum products arrive by pipeline or tank trucks. The tank farm is a system of storage tanks used throughout the Terminal to hold and store crude oil, petroleum products, fuel additives, and water. These tanks are located above ground and range in size from 110,000 barrels to less than 1,000 barrels. Pumps, valves, and piping systems are used throughout the Terminal to transfer various liquids between tanks and loading racks. Several tank truck loading racks are used to load out petroleum products and receive crude oil and gasoline additives.

The Terminal property occupies approximately 263 acres and is located south of Bloomfield, New Mexico in San Juan County (**Figure 1**). The Terminal property is bisected by San Juan County Road 4990 (Sullivan Road), which runs east-west (**Figure 2**).

The portion of the Terminal with petroleum product processing equipment, storage tanks, and associated infrastructure is located on a bluff 120 feet above the south side of the San Juan River. Based on the available site-specific and regional subsurface information, the Terminal is underlain by the Quaternary Jackson Lake terrace deposits, which unconformably overlie the Tertiary Nacimiento Formation. The Jackson Lake deposits consist of fine-grained sand, silt, and clay that grades to coarse sand, gravel, and cobble size material closer to the contact with the Nacimiento Formation. The Jackson Lake Formation is over 40 feet thick near the southeast portion of the Terminal and generally thins to the northwest toward the San Juan River. The Nacimiento Formation is primarily composed of fine-grained materials (e.g., carbonaceous mudstone/claystone with interbedded sandstones) with a reported local thickness of approximately 570 feet (Groundwater Technology, 1994).

3.0 SUBSURFACE GEOLOGY AND HYDROGEOLOGY

3.1 Terminal Area

The Terminal is located within the San Juan Basin, a sub-province of the Colorado Plateau physiographic province, about 120 ft above the present San Juan River level and about 500 ft south of the San Juan River.

Groundwater at the Terminal is present at depths ranging from approximately 6 ft to 50 ft bgs, increasing in depth from west to east across the site due to the change in surface elevation across the site. Groundwater elevations and flow direction across the Terminal vary in proportion to the stage of the San Juan River and are lowest during low flow conditions. Groundwater elevation contour maps showing the most recent flow directions are provided in facility-wide monitoring reports each year.

The shallow groundwater consists of an aquifer where groundwater migrates through the permeable glacial outwash deposits designated as the Jackson Lake Terrace overlying the nearly impermeable Nacimiento Formation. A permanent shallow aquifer formed above the Nacimiento Formation likely as a result of site development, former refinery operations, and leakage from the Hammond Ditch. This shallow aquifer is not used for drinking water. Below the Nacimiento Formation is the Oja Alamo sandstone formation, a water-bearing unit used as a potable water source.

The geologic units that underlie the Terminal are as follows: the uppermost unit consists of unconsolidated surface soils, silts, and fine windblown sands forming loess deposits. The silty fine sand is underlain by the Jackson Lake Terrace deposit, approximately 10 ft to 15 ft thick. The Jackson Lake Terrace consists of well-rounded boulders, cobbles, gravels and sands exhibiting moderate to high permeability. Below the Jackson Lake Terrace is the Nacimiento Formation. The Nacimiento Formation is compromised of interbedded, black carbonaceous mudstone, siltstone, and argillaceous sandstones. The Nacimiento Formation has been investigated at the Terminal to a depth of approximately 100 ft; however, literature suggests the formation ranges up to 900 ft in total thickness. The Nacimiento Formation demonstrates low permeability and acts as a confining unit for the Jackson Lake Terrace. Below the Nacimiento Formation is the Oja Alamo Sandstone, a water-bearing unit consisting of tertiary sandstones. Directly below the Ojo Alamo are the Cretaceous Kirtland Shale and the Fruitland Formation.

The Nacimiento Formation acts as a confining layer inhibiting vertical migration of groundwater beneath the Terminal, which does not infiltrate to the underlying Ojo Alamo Sandstone. The morphology of the contact between the Jackson Lake Terrace and the underlying Nacimiento Formation in the vicinity of the Terminal is important in that it influences the direction of the perched groundwater flow. Approximately 100 ft of the Nacimiento Formation is exposed in the precipice (bluff) face north of the Terminal adjacent to the San Juan River.

3.2 River Terrace Area

The River Terrace area is located adjacent to the San Juan River approximately 500 ft north of the former refinery process areas, and is the location of the pumping station used to deliver river water to the Terminal's raw water ponds. Surface water in the vicinity of the River Terrace includes the San Juan River to the north and west. The San Juan River level is approximately 120 ft lower than the grade level of the Former Refinery Complex.

Recharge of the River Terrace groundwater is predominantly influenced by the flow of the San Juan River, which is typically higher in the summer months due to high irrigation water demands. Groundwater elevations at the River Terrace are typically approximately 3 ft to 7 ft bgs, depending on the flow rate of the San Juan River and operation of the River Terrace dewatering system.

The near surface soils in the River Terrace consist of 1 ft to 2 ft of silt underlain by 1 ft to 2 ft of fine-grained sand. In some areas a 6-inch clay lens exists beneath the silt layer. Beneath the fine-grained sediments are medium to coarse grained sands that extend from approximately 3 ft or 4 ft bgs to approximately 10 ft bgs. At 10 ft bgs the sand transitions to coarser grained material with some gravel. Boring logs indicate that the Nacimiento Formation is present beneath the River Terrace at approximately 15 ft to 17 ft bgs.

4.0 HISTORIC SITE-WIDE MONITORING

Since the early 1990s, numerous monitoring wells have been installed and sampled across the Terminal in support of various investigations to monitor potential impacts to groundwater quality associated with historic refinery operations. Installation dates, well types, well installation details, and elevations of the wells located within the Terminal area and River Terrace area, are presented in **Table 1**. Sampling procedures and specific laboratory analyses applied to samples collected in the Terminal Area, North Boundary Barrier Wall, San Juan River Bluff, and San Juan River Terrace locations have varied throughout the history of monitoring at the Terminal. Additional details and information regarding historical sampling procedures and laboratory analyses can be found in the *River Terrace Annual Report Voluntary Bioventing/Air Sparging System January – December 2022* submitted to the NMED on March 30, 2023 and the *2022 Groundwater Remediation and Monitoring Annual Report* submitted to the NMED on May 15, 2023.

TP-5 was found to be destroyed in 2022. Several attempts have been made to locate the well but have been unsuccessful. Western will continue to attempt to locate TP-5 in order to properly abandon the well. TP-5 will be replaced in 2023. Additionally, DW-2 could not be located in 2021 or 2022. Further attempts to locate and sample the well will continue to be made throughout 2023.

5.0 MONITORING AND SAMPLING PROGRAM

This Plan's sampling protocols, locations, frequencies, and analyses are summarized below.

5.1 Fluid Level Measurements

Fluid level measurements, including depth-to-groundwater and depth-to-SPH, will be collected during the semi-annual and annual monitoring events using an interface probe with an accuracy of 0.01 feet. Fluid levels will be measured a minimum of 48 hours after the recovery well pumps are turned off to allow the groundwater elevation to return to static conditions. At all locations where groundwater sampling is to be conducted, fluid level measurements will be collected prior to purging. In addition to sampling locations, which vary from semiannual to annual event, fluid level measurements will be collected at background wells BCK-1 and BCK-2 and River Terrace wells TP-3, and TP-10 through TP-13. Fluid level measurements will also be collected from sump wells SW1 through SW7 after major precipitation events.

5.2 Groundwater and Surface Water Sampling Locations and Frequency

Groundwater and surface water sampling events at the Terminal will be conducted on a semiannual basis, with semiannual monitoring on a subset of locations occurring either

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during high flow conditions or in April of each year, and a comprehensive facility-wide annual monitoring event occurring in August of each year. Semiannual monitoring at the River Terrace area will occur during high flow conditions of the San Juan River, when applicable. High flow conditions of the San Juan River can be anticipated by monitoring the Bureau of Reclamations planned dam releases. Western will review the planned dam release data and contact the Bureau of Reclamations prior to conducting the April semiannual monitoring event in order to verify whether monitoring at the River Terrace area should be postponed. If no high flow conditions of the San Juan River are anticipated for the year, the semiannual monitoring event at the River Terrace will occur simultaneously with the April semiannual monitoring event. The monitoring events and associated sampling locations and analyses are listed below and summarized in **Tables 2** and **3**. The monitoring locations are depicted on **Figures 2** through **5**.

The semiannual monitoring event will encompass a subset of locations. The sampling locations at each area are as follows:

Former Refinery Complex – 27 Sample Locations

- (1) Background well (MW-6)
- (2) Process area wells (MW-20 and MW-30)
- (4) Cross-gradient wells (MW-1, MW-8, MW-13, and MW-33)
- (4) Downgradient Wells (MW-12, MW-35, MW-37, and MW-38)
- (2) Collection Wells (CW 0+60 and CW 25+95)
- (14) Observation Wells (OW 0+60,OW 1+50, OW 3+85, OW 5+50, OW 6+70, OW 8+10, OW 11+15, OW 14+10, OW 16+60, OW 19+50, OW 22+00, OW 23+10, OW 23+90, and OW 25+70)

San Juan River Bluff – 11 Sample Locations

- (2) Outfalls (East Outfall #2 and East Outfall #3)
- (5) Seeps (Seep 1, Seep 2, Seep 3, Seep 5, and Jungle Seep)
- (4) San Juan River samples
  - Upstream (approximately 1,000 ft upstream of the River Terrace)
  - River Bank north of MW-45
  - River Bank north of MW-46
  - Downstream (approximately 2,000 ft downstream of the Facility)

River Terrace – 11 Sample Locations

- (2) Monitoring Wells (MW-48 and MW-49)
- (3) Dewatering Wells (DW-1, DW-2, and DW-3)
- (5) Temporary Piezometers (TP-5, TP-6, TP-7, TP-8, and TP-9)
- (1) Collection Gallery

The facility-wide annual monitoring event will encompass all sample locations currently sampled at the River Terrace and Former Bloomfield Refinery Terminal Area (Terminal Area). The sampling locations at each area are as follows:

Former Refinery Complex – 77 Sample Locations

- (77) Monitoring Wells
  - (3) Background wells (MW-3, MW-5, and MW-6)
  - (16) Process area wells (RW-1, MW-4, RW-9, RW-15, RW-18, MW-20, MW-21, RW-23, RW-28, MW-29, MW-30, MW-31, MW-40, RW-42, RW-43, and MW-44)

- (7) Cross-gradient wells (MW-1, MW-8, MW-13, MW-26, MW-27, MW-32 and MW-33)
- (6) Downgradient wells (MW-11, MW-12, MW-34, MW-35, MW-27, and MW-38)
- (29) RCRA wells (MW-50 through MW78)
- (2) Collection Wells (CW 0+60 and CW 25+95)
- (14) Observation Wells (OW 0+60,OW 1+50, OW 3+85, OW 5+50, OW 6+70, OW 8+10, OW 11+15, OW 14+10, OW 16+60, OW 19+50, OW 22+00, OW 23+10, OW 23+90, and OW 25+70)

San Juan River Bluff (11 Sample Locations)

- (2) Outfalls (East Outfall #2 and East Outfall #3)
- (5) Seeps (Seep 1, Seep 2, Seep 3, Seep 5, and Jungle Seep)
- (4) San Juan River samples
  - Upstream (approximately 1,000 ft upstream of the River Terrace)
  - River Bank north of MW-45
  - River Bank north of MW-46
  - Downstream (approximately 2,000 ft downstream of the Facility)

River Terrace – 11 Sample Locations

- (2) Monitoring Wells (MW-48 and MW-49)
- (3) Dewatering Wells (DW-1, DW-2, and DW-3)
- (5) Temporary Piezometers (TP-5, TP-6, TP-7, TP-8, and TP-9)
- (1) Sampling Analyses

Groundwater samples and surface water samples collected from the Former Refinery Complex area, North Boundary Barrier, San Juan River Bluff will be submitted for laboratory analysis of one or more of the following chemical constituents:

Analysis
VOCs
VOCs-Target List
TPH-DRO
TPH-MRO
TPH-GRO
Semi-VOCs
Alkalinity/Carbon Dioxide
Anions
Specific Conductance
Total Dissolved Solids
Total Recoverable Metals-Target List
Total Dissolved Metals-Target List

Groundwater samples collected from the River Terrace area will be submitted for laboratory analysis of the following chemical constituents:

Analysis
VOCs-Target List

Analysis
TPH-DRO
TPH-MRO
TPH-GRO
Total Recoverable Metals-Target List
Specific Conductance

The laboratory methods used are summarized in **Table 2**. The specific laboratory analyses for every sample location are summarized in **Table 3**.

5.2.1 Water Quality Parameters

During each sampling event, field parameters will be collected and recorded on the field purge logs. Field parameters collected will include the following:

- Specific Conductance;
- Temperature;
- pH;
- Oxidation Reduction Potential;
- Total dissolved solids; and
- Dissolved Oxygen.

5.3 Soil Vapor Sampling

Soil vapor samples will be collected at River Terrace locations TP-5, TP-6, TP-8, BV-1, BV-3, BV-4, BV-5, BV-6, and MW-48, DW-2, and DW-3 during the facility-wide monitoring event **(Figure 4).** Soil vapor samples will also be collected from air sparging lines A and B and from a port located directly after the main blower. All samples will be collected when the bioventing/air sparging system is not operational. Samples will not be collected at the following locations:

- TP-7 within the slurry wall;
- TP-9 and DW-1 east of the slurry wall; and
- MW-49 west of slurry wall.

5.3.1 Sample Analysis

The soil vapor samples will be analyzed for BTEX/MTBE and TPH-GRO. Soil vapor sampling will follow the sampling procedure as described in **Section 6** below.

5.3.2 Pressure Readings

Pressure readings will be recorded at River Terrace locations BV-1, BV-3, BV-4, BV-5, BV-6, TP-5, TP-6, TP-7, TP-8, air sparge lines A and B, and at the main blower using a handheld magnehelic gauge or digital manometer via a sample port at the top of each location. The pressure readings will be recorded during the annual groundwater sampling events.

5.4 Monitoring Program Revisions

This Plan will be revised in accordance with Section IV.A.1 and Section X.B. of the July 2007 Consent Order as new monitoring wells are added to the well network, new conditions arise that are not included herein (i.e., new seep discovery), requests for modifications develop based on data evaluations, or new remedies are implemented. Revisions to the Plan, if necessary, will then be presented for agency review and approval on an annual basis prior to June 30th of each year.

6.0 MONITORING AND SAMPLING METHODS

6.1 Monitoring and Sampling Methods

The section below describes the procedures to be followed during the semiannual and facility-wide annual groundwater monitoring events. The following sections were prepared in accordance with Section VIII.B of the 2007 Consent Order. Samples will not be collected from monitoring wells that have evidence of SPH, including when measurable SPH is not detected with the interface probe, but a sheen is observed during purging. Monitoring wells that are purged dry will be allowed to recharge to 80% of the original level prior to sample collection. Wells not sampled due to the presence of SPH, being dry, or having insufficient recharge will be documented in the field notes.

6.2 Fluid Level Measurements

Depth-to-groundwater and SPH thickness will be measured in all monitoring wells during both the semiannual and facility-wide groundwater monitoring events. The full list of locations where fluid measurements will be collected is summarized in **Table 1**. The active recovery wells will be turned off, the pumps will be removed, and the groundwater will be allowed to equilibrate for 48 hours prior to collecting depth-to-fluid measurements during each sampling event. The depth-to-groundwater and SPH thickness levels will be measured to the nearest 0.01 ft using an oil/water interface probe. Fluid level data will be collected from all wells within 48 hours. The depth-to-groundwater and SPH thickness will be recorded relative to the surveyed well casing rim or other surveyed datum. A corrected water table elevation will be provided in wells containing SPH by adding 0.8 times the measured SPH thickness to the calculated water table elevation.

Fluid level measurements on a subset of wells will also be periodically collected during routine operations and maintenance activities performed on the total fluids recovery system. Depth-to-groundwater and SPH thicknesses recorded during these events will not be provided in future monitoring reports, as they will be collected during system operation, in order to verify functionality, and not during static conditions.

Western recommends the addition of quarterly gauging events on a subset of wells to monitor for rebound at the River Terrace area, if the discontinuation of biovent/air sparge system operation is approved by NMED. The wells proposed for quarterly gauging are as follows:

- North Boundary Wells:
  - Collection Wells (CW 0+60 and CW 25+95)

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  - Observation Wells (OW 0+60,OW 1+50, OW 3+85, OW 5+50, OW 6+70, OW 8+10, OW 11+15, OW 14+10, OW 16+60, OW 19+50, OW 22+00, OW 23+10, OW 23+90, and OW 25+70)
- River Terrace Wells:
  - Monitoring wells and dewatering wells (MW-48, MW-49, DW-1, DW-2, DW-3)
  - Piezometers (TP-5, TP-6, TP-7, TP-8 and TP-9)
  - Collection Gallery

6.3 Groundwater Sampling

All monitoring wells scheduled for the semiannual and facility-wide annual sampling events will be sampled within 15 working days. If groundwater sampling activities require additional time to complete, Western will contact NMED-HWB upon confirmation of the anticipated extended schedule.

6.4 Well Purging

Each monitoring well will be purged using low flow sampling methods as prescribed in the NMED HWB position paper "*Use of Low Flow and Other Non-Traditional Sampling Techniques for RCRA Compliance Groundwater Monitoring*" (NMED, 2001).

The wells will be purged of approximately three well volumes using a peristaltic pump, when sufficient water is present. During purging, field parameters including temperature, pH, conductivity, ORP, turbidity, and DO will be collected when purging is initiated and every 5 minutes until purging is complete using a calibrated water quality meter. Purge water will be temporarily contained before being discharged to the facility wastewater treatment system. For wells that cannot sustain low flow purging, due to insufficient water volume within the well casing or a slow recharge rate combined with declining groundwater elevation, samples will be collected after the well has recovered to 80% of the static level. Wells that purge dry for two consecutive events will be re-evaluated for use as compliance monitoring wells. For wells that can be sampled via low flow procedures, total volume purged will be determined by monitoring groundwater pH, specific conductivity, temperature, DO, and turbidity parameters until they have stabilized. Per NMED's Low Flow sampling guidance, monitoring parameters will be considered stabilized when the parameters are within the following ranges and/or percent differences over three consecutive measurements, spaced a minimum of 5 minutes apart:

- pH: +/- 0.5
- Specific conductivity: +/- 10%
- Temperature: +/- 10%
- DO: +/- 10%
- Turbidity: +/- 10%

Field parameters will be measured using an Aqua TROLL 500 Multiparameter or equivalent water quality field instrument equipped with a flow through cell. The unit will be calibrated daily according to manufacturer specifications prior to each use and as necessary thereafter. The volume of groundwater purged, the instruments used, and the readings obtained at each interval will be recorded on the field-monitoring log. Low flow purging will be performed according to the following steps:

1. Measure the depth to water in the monitoring well to the nearest 0.01 ft.
2. Slowly lower a clean/decontaminated pump with new disposable tubing into the monitoring well setting the pump intake approximately at center of the well screen **(Table 1).** For monitoring wells with a depth to water of less than 20 ft bgs a peristatic pump will be used to perform low flow purging of the monitoring well. If the depth to water is greater than 20 ft bgs, a bladder pump will be used for low flow purging.
3. Connect the in-line flow through cell to the discharge end of the pump tubing and install the water level meter into the monitoring well.
4. Record the initial water level measurement and begin purging the monitoring well at approximately 100 milliliters per minute. Measure the depth to water during purging at no less than once every five minutes and record water quality meter parameters at a minimum of five-minute intervals.
5. Keep pumping until steady state conditions are obtained. Steady state conditions are achieved when no more than 0.3 ft of water level drawdown is occurring during purging. Adjust the pump rate as needed to maintain steady state.
6. Collect groundwater samples after steady state conditions have been achieved and water quality measurements have stabilized by filling the sample bottles for most volatile analysis to least volatile. The purge pump will not be turned off before sampling is completed.
7. For wells with insufficient recharge during sustained pumping where stabilization of parameters cannot be achieved, samples will be collected in the following manner: collect parameters, when the well purges dry the total volume of water removed will be noted, the well will be allowed to recover and the sample will be collected. Parameters will be collected prior to sample collection.

6.5 Groundwater Sample Collection

Groundwater samples will be obtained from each monitoring well within 24 hours of the completion of well purging as described above. Sample frequency and sample analysis for each well is summarized in **Table 3**. Sample collection methods will be documented on sample collection log forms. The samples will be transferred to the appropriate, clean, laboratory prepared containers provided by the analytical laboratory. Sample handling and chain-of-custody procedures are described in **Section 6.7** in accordance with Section VIII.8.6 of the 2007 consent order. Decontamination procedures for reusable water sampling equipment are described in **Section 6.8.**

Field equipment calibration will be performed according to the manufacturers' specifications as described in **Section 6.9.**

All purged groundwater and decontamination water will be disposed of in the Terminal wastewater treatment system upstream of the API Separator. The procedures for disposable materials are described in **Section 6.10.**

Groundwater samples obtained for dissolved metals analysis will be field filtered using disposable filters with a 0.45 micrometer mesh size. For low flow sampling, a 0.45-micrometer filter will be attached directly to the discharge end of the tubing and groundwater passed directly into a laboratory supplied metals bottle with appropriate preservative following collection of the volatile compounds. If the groundwater sample is bailed, the sample will be slowly poured directly from the bailer into a clean laboratory prepared bottle containing

preservative. For filtered metals samples, a peristatic pump with a 0.45-micrometer capsule filter attached to the discharge end of the tubing will be used to filter groundwater directly from the bailer. All metals samples will be placed on ice for shipment to the analytical laboratory.

6.6 Soil Vapor Collection

Soil vapor samples will be collected annually from select River Terrace temporary piezometers, bioventing wells, air sparge lines A and B, and the port located directly after the main blower, when the system is not operational. The temporary piezometers and bioventing wells will be equipped with air-tight caps with a sample port to allow for sample extraction through the cap without the introduction of ambient air. Flexible poly tubing will connect to the underside of the sample port and extend down into the well casing to approximately one foot above the water table. The specific sample depth at each sample location will be determined based on depth to groundwater measurements collected prior to each soil gas sampling event. Flexible tubing from the suction end of the portable vacuum pump will connect to the sample port on the well cap.

The vacuum pump will be operated at a low flow rate (approximately one liter per minute) to purge stagnant air out of the soil vapor sampling assembly and to collect samples. The well volumes will be calculated based on current well depth and a minimum of 5 well volumes will be withdrawn from the well casing prior to sample collection. After the well is purged, a Tedlar® bag will be attached to the tubing at the discharge end of the vacuum pump for sample collection. All samples will be properly labeled and placed in a sample cooler for delivery to the off-site laboratory.

Sparge lines A and B and the main blower will be sampled at the designated sample ports on the north end of each sparge line. A peristaltic pump with new tubing will be attached to each sample port, the sample port will be opened, and each location will be purged for 5 minutes. Once purging is complete, the soil gas sample will be collected by directly filling the Tedlar® bag using the peristaltic pump.

During the purging process, field measurements for vapor-phase organics, oxygen, carbon dioxide, and volatile organic compounds will be collected and recorded using portable field instruments prior to collecting the soil vapor sample for laboratory analysis. New, dedicated tubing will be used at each location so decontamination will not be required between sample locations. Soil gas sampling locations and sampling and analysis requirements are presented in **Table 3.**

6.7 Sample Handling

Below is a description of the sample handling process to be followed during sample collection:

- Neoprene, nitrile, or other protective gloves will be worn when collecting samples. New disposable gloves will be donned between sample collection locations.
- All samples collected for chemical analysis will be transferred into clean laboratory provided sample containers. The sample container will be clearly marked with the time, date, sample location number, and analysis requested. Sample container volumes and preservation methods will be in accordance with the most recent standard EPA (SW 846 methods) and industry accepted practices for use by

accredited analytical laboratories. Sufficient sample volume will be obtained for the laboratory to complete the method-specific quality QC analyses on a laboratory-batch basis.

- Sample collection logs, purge logs, and chains of custody will be completed for each sample. Immediately after the samples are collected, they will be stored in a cooler with appropriate preseNative as required by analytical method and put on ice until they are delivered to the analytical laboratory. All samples will be submitted to the laboratory such that the laboratory will be able to conduct the analyses within the method holding times. At a minimum, all samples will be submitted to the laboratory within 48 hours after their collection. Ensolum will make an attempt to submit the samples the same day they are collected; however, laboratory courier availability may affect the ability to submit the samples on the same day. Delays in submitting the samples to the laboratory and the associated reasoning will be written in the field notes.

The following shipping procedures will be performed during each sampling event:

- Individual sample containers will be packed to prevent breakage and transported in a sealed cooler with ice or other suitable coolant or other EPA or industry-wide accepted method. The drainage hole at the bottom of the cooler will be sealed and secured in case of sample container leakage.
- Each cooler or other container will be delivered directly to the analytical laboratory.
- Glass bottles will be separated in the shipping container and wrapped in cushioning material to prevent breakage.
- Plastic containers will be protected from possible puncture during shipping using cushioning material.
- The chain-of-custody form and sample request form will signed off by the sample team and placed in a plastic bag and tapped to the top of the shipping container to be delivered to the laboratory.
- Custody seals will be signed and dated by the sample team member and affixed over the edge of the sample container.

6.8 Decontamination Procedures

Decontamination will be performed on all non-disposable sample equipment to minimize the potential for cross-contamination. The majority of field equipment used for groundwater sampling will be disposable and, therefore, not require decontamination. To prevent cross-contamination non-disposable sample equipment will be decontaminated between each sampling location. Examples of non-disposable sample equipment include bladder pumps (if used for low flow sampling), water quality meter probes, water level/interface meter probes and tape, and sample tubing if not replaced. The decontamination procedure will consist of washing the equipment with a non-phosphate detergent solution (examples include Fantastik™, Liqui-Nox®), followed by two rinses of distilled water, before allowing to air dry.

Decontamination water and rinse water will be contained and disposed of along with purge water, as described in **Section 6.10.** Decontamination procedures and the cleaning agents used will be documented in the daily field log.

6.9 Field Equipment Calibration Procedures

Field equipment requiring calibration will be calibrated to known standards, in accordance with the manufacturers' recommended schedules and procedures. Calibration checks will be conducted daily, and the instruments will be recalibrated if necessary. Calibration measurements will be recorded in the daily field logs. Examples of equipment requiring calibration include water quality and multi-gas meters. If field equipment becomes inoperable, its use will be discontinued until the necessary repairs are made. Instrumentation used during sampling events will be recorded in the daily field logs.

6.10 Collection and Management of Investigation Derived Waste

Investigation derived waste generated during each groundwater sampling event may include purge water, decontamination water, excess groundwater sample material, and disposable sampling equipment. All purge or groundwater generated during sampling and decontamination activities will be temporarily stored in labeled 55-gallon drums or a truck-mounted portable tank until disposed in the facility's wastewater treatment system upstream of the API separator. The total volume of investigation derived liquid will be documented on the field notes on a daily basis. Other solid waste generated during sampling activities (including sampling gloves, tubing, etc.) will be disposed of on site as non-hazardous waste.

6.11 Field Documentation

Daily field activities, including observations and field procedures, will be recorded using electronic field forms and dedicated field books. The original field forms will be maintained at the Terminal and the electronic data will be maintained by Western's consultant/subcontractor. The electronic data and dedicated field logbook will include the following information:

- Well identification
- Date
- Start and finish sampling time
- Field team members, including visitors
- Weather conditions
- Daily activities and chronology of events
- Observations
- Record of samples collected with sample designations
- Photo log (if needed)
- Field monitoring data, including health and safety monitoring (if needed)
- Equipment used and calibration records, if appropriate
- List of additional data sheets and maps completed
- An inventory of the waste generated and the method of storage or disposal

Copies of the field logbooks and all other sampling and monitoring documentation, including copies of gauging data sheets, purge forms, laboratory chains of custody, and soil gas sampling data sheets, will be provided as an attachment to all future monitoring reports for both the facility-wide and River Terrace area.

6.12 Sample Custody

All samples collected for laboratory analysis will be recorded in the field logbook and sample collection data forms. Chain-of-custody forms will be completed at the end of each sampling day, prior to the transfer of samples off-site, and will accompany the samples during shipment to the laboratory. A signed and dated custody seal will be affixed to the lid of the shipping container. Upon receipt of the samples at the laboratory, the custody seals will be broken, the chain-of-custody form will be signed as received by the laboratory, and the conditions of the samples will be recorded. The original chain-of-custody form will remain with the laboratory. Western will maintain copies of all chain-of-custody forms generated as part of sampling activities. Copies of the chain-of-custody records will be included with all final laboratory reports submitted to NMED and OCD.

6.13 Quality Assurance Quality Control Plan

All samples will be analyzed by an accredited laboratory in accordance with this monitoring plan and US EPA SW-846 test methods (US EPA 2014, as updated). The accredited laboratory will maintain internal quality assurance programs in accordance with EPA and industry accepted practices and procedures. At a minimum, quality control samples will consist of a combination of standards, field blanks, surrogates, duplicates, MS/MSD, BS/BSD, and laboratory control samples to demonstrate analytical QA/QC. The accredited laboratory will establish control limits for individual chemicals or groups of chemicals based on the long-term performance of the test methods. In addition, the accredited laboratory will establish internal QA/QC that meets EPA's laboratory certification requirements. The specific procedures to be completed are identified in the following sections.

6.13.1 Laboratory Equipment Calibration Procedures and Frequency

The accredited laboratory equipment calibration procedures, calibration frequency, and calibration standards will be in accordance with the EPA test methodology requirements and documented in their quality assurance and standard operating procedure manuals**.** All instruments and equipment used by the laboratory will be operated, calibrated, and maintained according to manufacturers' guidelines and recommendations. Operation, calibration, and maintenance will be performed by personnel who have been properly trained in these procedures. A routine schedule and record of instrument calibration and maintenance will be kept on file at the accredited laboratory.

6.13.2 Field QA/QC Samples

Field duplicates, field blanks, equipment blanks, and trip blanks will be obtained for quality assurance during all sampling activities. The samples will be handled as described in **Section 6.7.**

Field duplicate groundwater samples will be obtained at a frequency of ten percent of the total number of samples submitted for analysis for groundwater and soil gas samples collected during the semiannual and facility-wide annual sampling events.

Field blanks will be obtained at a frequency of one every two sampling days throughout the duration of semiannual and facility-wide annual sampling events. Field blanks will be

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generated by filling sample containers in the field with deionized water and submitting the samples, along with the groundwater samples, to the analytical laboratory for the appropriate analyses.

Equipment blanks will be obtained for chemical analysis at the rate of one per semiannual sampling event. Following decontamination **(Section 6.8)** rinsate samples will be generated by rinsing the water level meter with deionized water upon completion of groundwater elevation monitoring. The rinsate sample will be placed in the appropriate sample container and submitted with the groundwater samples to the analytical laboratory for the VOC analyses by EPA method 8260B.

Trip blanks will accompany laboratory sample bottles and shipping and storage containers intended for VOC analyses. Trip blanks will consist of a sample of analyte-free deionized water prepared by the laboratory and placed in an appropriate sample container. The trip blank will be prepared by the analytical laboratory prior to the sampling event and will be kept with the shipping containers and placed with other water samples obtained from the site each day. Trip blanks will be analyzed at a frequency of one for each shipping container for groundwater VOC analyses.

6.13.3 Laboratory QA/QC Samples

Analytical procedures will be evaluated by analyzing reagent or method blanks, surrogates, MS/MSDs, BS/BSDs and/or laboratory duplicates, as appropriate for each method. The laboratory QA/QC samples and frequency of analysis to be completed will be documented in the cited EPA SW-846 or other test methodologies. At a minimum, the laboratory will analyze laboratory blanks, MS/MSDs, BS/BSDs and laboratory duplicates at a frequency of one in twenty for all batch runs requiring EPA test methods and a frequency of one in ten for non-EPA test methods. Laboratory batch QA/QC samples will be project specific.

6.13.4 Laboratory Deliverables

The analytical data package will be prepared in accordance with EPA-established Level 11 analytical support protocol. As stated in the 2007 consent Order, the following will be included in the analytical laboratory reports:

- Transmittal letter, including information about the receipt of samples, the testing methodology performed, any deviations from the required procedures, any problems encountered in the analysis of the samples, any data quality exceptions, and any corrective actions taken by the laboratory relative to the quality of the data contained in the report;
- Sample analytical results, including sampling date; date of sample extraction or preparation; date of sample analysis; dilution factors and test method identification; water sample results in consistent units (milligrams per liter or micrograms per liter); and detection limits for undetected analytes. Results will be reported for all field samples, including field duplicates and blanks submitted for analysis;
- Method blank results, including reporting limits for undetected analytes;
- Surrogate recovery results and corresponding control limits for samples and method blanks (organic analyses only);
- MS/MSD and/or BS/BSD spike concentrations, percent recoveries, relative percent differences (RPDs), and corresponding control limits;

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- Laboratory duplicate results for inorganic analyses, including relative percent differences and corresponding control limits;
- Sample chain-of-custody documentation;
- Holding times and conditions;
- Conformance with required analytical protocol(s);
- Instrument calibration;
- Blanks;
- Detection/quantitation limits;
- Recoveries of surrogates and/or MS/MSDs**;**
- Variability for duplicate analyses;
- Completeness; and
- Data report formats.

Data deliverables provided by the laboratory that include analysis of organic compounds will also include the following:

- A cover letter referencing the procedure used and discussing any analytical problems, deviations, and modifications, including signature from authority representative certifying to the quality and authenticity of data as reported;
- A report of sample collection, extraction, and analysis dates, including sample holding conditions;
- Tabulated results for samples in units as specified, including data qualification in conformance with EPA protocol, and definition of data descriptor codes;
- Reconstructed ion chromatograms for gas chromatograph/mass spectrometry (GC/MS) analyses for each sample and standard calibration;
- Selected ion chromatograms and mass spectra of detected target analytes (GC/MS) for each sample and calibration with associated library/reference spectra;
- Gas Chromatograph/electron capture device and/or gas chromatograph/flame ionization detector chromatograms for each sample and standard calibration;
- Raw data quantification reports for each sample and calibrations, including areas and retention times for analytes, surrogates, and internal standards;
- A calibration data summary reporting calibration range used and a measure of linearity [include decafluorotriphenylphopshine and p-bromofluorobenzene spectra and compliance with tuning criteria for GC/MS];
- Final extract volumes (and dilutions required), sample size, wet-to-dry weight ratios, and instrument practical detection/quantfation limit for each analyte;
- Analyte concentrations with reporting units identified, including data qualification in conformance with the contract laboratory program Statement of Work (include defintion of data descriptor codes);
- Quantification of analytes in all blank analyses, as well as identification of method blank associated with each sample;
- Recovery assessments and a replicate sample summary, including all surrogate spike recovery data with spike levels/concentrations for each sample and all MS/MSD results (recoveries and spike amounts); and
- Report of tentatively identified compounds with comparison of mass spectra to library /reference spectra.

Data deliverables provided by the laboratory that include analysis of inorganic compounds will include the following:

- A cover letter referencing the procedure used and discussing any analytical problems, deviations, and modifications; including signature from authority representative certifying to the quality and authenticity of data as reported;
- Report of sample collection, digestion, and analysis dates, with sample holding condttions;
- Tabulated results for samples in units as specified, including data qualification in conformance with the contract laboratory program statement of work (including definition of data descriptor codes);
- Results of all method QA/QC checks, including inductively coupled plasma Interference Check Sample and inductively coupled plasmaserial dilution results;
- Tabulation of instrument and method practical detection/quantitation limits;
- Raw data quantification report for each sample;
- A calibration data summary reporting calibration range used and a measure of linearity, where appropriate;
- Final digestate volumes (and dilutions required), sample size, and wet-to-dry weight ratios;
- Quantification of analytes in all blank analyses, as well as identification of method blank associated with each sample; and
- Recovery assessments and a replicate sample summary, including post-digestate spike analysis; all MS data (including spike concentrations) for each sample, if accomplished; all MS results (recoveries and spike amounts); and laboratory control sample analytical results).

The analytical summary tables will be reported in format required by Section X of the 2007 consent order. The raw analytical data, including calibration curves, instrument calibration data, data calculation work sheets, and other laboratory support data for groundwater monitoring samples, will be compiled and kept on file electronically at Bloomfield Terminal for reference. The data will be available to NMED upon request.

6.13.5 Review of Laboratory QA/QC Data

The sample laboratory data QA/QC results will be evaluated for acceptability with respect to the data quality objectives in the accredited laboratory's QA Manual and this Quality Assurance Project Plan. Each group of samples will be compared with the data quality objectives and evaluated using data validation guidelines contained in EPA guidance documents: *Guidance Document for the Assessment of RCRA Environmental Data Quality, National Functional Guidelines for Organic Data Review, and Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* and the most recent version of SW-846, and industry-accepted QA/QC methods and procedures. The accredited laboratory will notify Ensolum of data quality exceptions within one business day of identifying the data quality exception in order to allow for sample re-analysis, if possible. Data validation reports for each sample group will be reported in the facility-wide annual groundwater monitoring report.

6.13.6 Blanks, Field Duplicates, Reporting Limits and Holding Times

6.13.6.1 Blanks

The analytical results of field blanks and field rinsate blanks will be reviewed to evaluate the adequacy of the equipment decontamination procedures and the possibility of cross-contamination caused by sampling equipment. The analytical results of trip blanks will be reviewed to evaluate the possibility for contamination resulting from the laboratory-prepared sample containers or the sample transport containers. The analytical results of laboratory blanks will be reviewed to evaluate the possibility of contamination caused by the analytical procedures. If contaminants are detected in field or laboratory blanks, the sample data will be qualified, as appropriate and noted in the data validation reports.

6.13.6.2 Field Duplicates

Field duplicates will consist of two samples either split from the same sample device or collected sequentially. Field duplicate samples will be collected at a minimum frequency of ten percent of the total number of samples submitted for analysis. RPDs for field duplicates will be calculated. The analytical data quality objectives for precision will be used for water duplicates.

6.13.6.3 Method Detection Limits

Method detection limits for sample analyses will be established at the lowest level practicable for the method and analyte concentrations and will not exceed groundwater or surface water cleanup standards and screening levels. Detection limits that exceed established standards or screening levels and are reported as "not detected" will be considered data quality exceptions and an explanation for the exceedance and its acceptability for use will be provided. The accredited laboratory shall meet the following screening levels to be considered acceptable:

Semiannual and facility-wide Annual Sampling:

- NM Water Quality Control Commission Groundwater Standards (20.6.2 New Mexico Administrative Code [NMAC])
- Tap water screening levels (NMED Risk Assessment Guidance for Site Investigafions and Remediations Volume 1, Table A-1)
- EPA Maximum contaminant levels (EPA National Primary Drinking Water Regulations)
- Residential vapor intrusion screening levels (NMED Risk Assessment Guidance for Site Investigations and Remediations Volume 1, Table A-4)

6.13.6.4 Holding Times

The sampling, extraction, and analysis dates will be reviewed to confirm that extraction and analyses were completed within the recommended holding times, as specified by EPA protocol. Appropriate data qualifiers will be noted if holding times were exceeded.

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6.13.7 Representativeness and Comparability

6.13.7.1 Representativeness

Representativeness is a qualitative parameter related to the degree to which the sample data represent the relevant specific characteristics of the media sampled. Procedures will be implemented to assure representative samples are collected and analyzed, such as repeated measurements of the same parameter at the same location over several distinct sampling events. Any procedures or variations that may affect the collection or analysis of representative samples will be noted and the data will be qualified.

6.13.7.2 Comparability

Comparability is a qualitative parameter related to whether similar sample data can be compared. To assure comparability, analytical results will be reported in appropriate units for comparison with other data (past studies, comparable sites, screening levels, and cleanup standards), and standard collection and analytical procedures will be implemented. Any procedure or variation that may affect comparability will be noted and the data will be qualified.

6.13.8 Laboratory Reporting, Documentation, Data Reduction, and Corrective Action

Upon receipt of each laboratory data package, data will be evaluated against the criteria outlined in the previous sections. Any deviation from the established criteria will be noted and the data will be qualified. A full review and discussion of analytical data QA/QC and all data qualifiers will be submitted as appendices or attachments to the annual groundwater monitoring report. Data validation procedures for all samples will include checking the following, when appropriate:

- Holding times
- Detection limits
- Field equipment rinsate blanks
- Field blanks
- Field Duplicates
- Trip blanks
- Reagent blanks
- Laboratory duplicates
- Laboratory blanks
- Laboratory matrix spikes
- Laboratory matrix spike duplicates
- Laboratory blank spikes
- Laboratory blank spike duplicates
- Surrogate recoveries

If significant quality assurance problems are encountered, appropriate corrective action will be implemented. All corrective action will be reported, and the corrected data will be qualified.

7.0 SCHEDULE

As discussed in **Section 5,** groundwater and surface water sampling events at the Facility have been assigned varying sampling requirements. Sampling events within each site investigation area (i.e., Former Refinery Complex, North Boundary Barrier, San Juan River Bluff, and River Terrace) will be completed within 15 working days of the start of the event. Western will seek to obtain approval of this monitoring plan for implementation of semiannual groundwater sampling to commence in August of 2023.

8.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

8.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

8.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Terminal contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

8.3 Reliance

This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Terminal) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.

9.0 REFERENCES

Groundwater Technology Inc., 1994. RCRA Facility Investigation/Corrective Measures Study Report Bloomfield Refining Company #50 County Road 4990 Bloomfield, New Mexico, p.51.

New Mexico Environment Department (NMED), 2001. New Mexico Environment Department (NMED) Hazardous Waste Bureau, Use of Low-Flow and Other Non-Traditional Sampling Techniques for RCRA Compliant Groundwater Monitoring dated October 30, 2001.

NMED, 2007. State of New Mexico Environment Department v. San Juan Refining Company and Giant Industries, Inc.; Order July 27, 2007.

NMED, 2014. New Mexico Environmental Department (NMED) Hazardous Waste Bureau, Approval with Modifications Facility-Wide Groundwater Monitoring Plan-June 2013 dated April 25, 2014.

NMED, 2015a. New Mexico Environmental Department (NMED) Hazardous Waste Bureau, Approval with Modifications Facility-Wide Groundwater Monitoring Plan-June2014 dated June 15, 2015.

Western, 2022a. *River Terrace Annual Report Voluntary Bioventing/Air Sparging System January – December 2022*, March 2023.

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United States Environmental Protection Agency (USEPA), 2014. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods US Environmental Protection Agency, update V, July 2014.

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Tables

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Former Refinery Complex (Background Wells)											
Monitoring Well	MW-BCK1	2/1/2012	2	NA	5620.14	NA	5617.51	79	60-75	74.1	5543.40
Monitoring Well	MW-BCK2	2/13/2012	2	NA	5517.80	NA	5516.13	60	40-60	Not Encountered	Not Encountered
Monitoring Well	MW-3	2/9/1984	4	5535.88	5539.27	5534.88	5538.61	38.4	18.4-38.4	40	5494.88
Monitoring Well	MW-5	2/6/1984	4	5545.13	5548.56	5544.13	5547.97	50.6	30.6-50.6	47	5497.13
Monitoring Well	MW-6	2/7/1984	4	5551.20	5554.61	5549.60	5553.32	48	28-48	49	5500.60
Former Refinery Complex											
Monitoring Well	MW-1	2/8/1984	4	5515.78	5519.21	5514.08	5517.54	23	2.9-22.9	22	5492.08
Monitoring Well	MW-4	2/9/1984	6	5524.46	5527.78	5523.06	5526.56	31.1	11.1-31.1	32	5491.06
Monitoring Well	MW-7	2/25/1986	6	5524.25	5527.66	5523.15	5526.34	61	49-59	32	5491.15
Monitoring Well	MW-8	2/28/1986	6	5531.17	5534.58	5530.17	5533.84	33.9	11.9-31.9	34	5496.17
Monitoring Well	MW-11	7/31/1987	4	5506.89	5510.31	5503.29	5507.12	21.1	6.1-16.1	10	5493.29
Monitoring Well	MW-12	8/1/1987	4	5498.42	5501.61	5495.92	5499.50	11.7	1.7-11.7	10	5485.92
Monitoring Well	MW-13	9/3/1988	4	5538.54	5542.04	5535.24	5539.12	49.7	28.7-44.5	45	5490.24
Monitoring Well	MW-20	9/13/1991	4	5516.46	5519.90	5514.66	5517.91	25.4	8.4-23.4	24	5490.66
Monitoring Well	MW-21	9/16/1991	4	5518.62	5521.99	5517.02	5520.75	29.3	12.3-27.3	24.5	5492.52
Monitoring Well	MW-25	5/11/1994	6	5530.45	5533.99	5527.35	5530.92	41	22-36	35	5492.35
Monitoring Well	MW-26	5/12/1994	6	5514.54	5517.88	5512.44	5515.73	23	7-21	20	5492.44
Monitoring Well	MW-27	5/18/1994	4	5515.26	5518.67	5512.46	5515.78	22	5-20	17	5495.46
Monitoring Well	MW-29	5/12/1994	4	5521.55	5524.97	5518.55	5522.07	26	10-24	23	5495.55
Monitoring Well	MW-30	5/13/1994	4	5533.42	5536.83	5531.42	5534.81	38	21-36	35	5496.42
Monitoring Well	MW-31	5/15/1994	4	5532.17	5536.24	5530.57	5534.66	38	21-35	34	5496.57
Monitoring Well	MW-32	2/23/1995	4	5522.22	5525.64	5521.42	5524.95	26.7	10.7-24.7	25	5496.42
Monitoring Well	MW-33	2/23/1995	4	5518.46	5521.79	5515.86	5519.85	23.0	6.9-20.9	20	5495.86
Monitoring Well	MW-34	2/23/1995	4	5508.23	5511.63	5505.53	5509.21	18.3	2.3-16.3	14	5491.53
Monitoring Well	MW-35	4/29/1997	2	5512.39	5518.95	NA	5516.25	23.1	13.1-23.1	21.5	5494.75
Monitoring Well	MW-36	4/29/1997	2	5510.56	5516.95	NA	5514.16	23.3	11-21.2	21.5	5492.66
Monitoring Well	MW-37	5/1/1997	2	5513.04	5519.62	NA	5516.89	25	15-25	22	5494.89
Monitoring Well	MW-38	4/29/1997	2	5512.87	5519.19	NA	5516.65	23.5	13.5-23.5	22	5494.65
Monitoring Well	MW-39	9/28/1998	2	5522.00	5520.83	NA	5519.10	36	NA	22	5497.10
Monitoring Well	MW-40	3/11/1997	2	5526.21	5527.31	5521.45	5527.86	34.5	NA	31.5	5496.36
Monitoring Well	MW-41	3/12/1997	2	5525.13	5526.41	5529.88	5527.07	33.0	NA	30.00	5497.07
Monitoring Well	MW-44	10/1/1998	2	5536.00	5535.44	5535.94	5532.27	47.5	NA	33.50	5498.77
Monitoring Well	MW-45	1/15/2003	4	5506.36	5506.36	5496.33	5504.40	17.8	4.0-14.0	NA	NA
Monitoring Well	MW-46	1/16/2003	4	5504.65	5504.65	5496.43	5503.03	10.4	3.2-8.2	10.50	5492.53
Monitoring Well	MW-47	3/6/2003	2	5506.77	5506.77	5501.23	5504.15	12.8	6.1-11.1	11.30	5492.85
Monitoring Well	MW-50	9/25/2008	4	NA	5518.79	NA	5515.87	20	8-18	18.50	5497.37
Monitoring Well	MW-51	9/25/2008	4	NA	5515.58	NA	5512.88	20	8-18	18.50	5494.38
Monitoring Well	MW-52	10/14/2008	4	NA	5538.63	NA	5535.91	41	23-38	38.00	5497.91

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Former Refinery Complex											
Monitoring Well	MW-53	9/23/2008	4	NA	5541.32	NA	5538.46	42	25-40	39.00	5499.46
Monitoring Well	MW-54	9/26/2008	4	NA	5530.08	NA	5527.35	38	22-37	34.00	5493.35
Monitoring Well	MW-55	4/2/2009	4	NA	5519.84	NA	5519.94	27	11-26	26.00	5493.94
Monitoring Well	MW-56	4/1/2009	4	NA	5519.31	NA	5516.74	24	7-22	20.00	5496.74
Monitoring Well	MW-57	3/31/2009	4	NA	5521.17	NA	5518.46	24	8-23	23.00	5495.46
Monitoring Well	MW-58	4/3/2009	4	NA	5520.29	NA	5520.47	27.00	10.75-25.75	25.75	5494.72
Monitoring Well	MW-59	4/6/2009	4	NA	5545.20	NA	5542.37	44	28-43	42.50	5499.87
Monitoring Well	MW-60	4/5/2009	4	NA	5543.71	NA	5544.01	45.50	28.75-43.75	43.75	5500.26
Monitoring Well	MW-61	4/15/2009	4	NA	5539.41	NA	5539.59	40	24-39	38.00	5501.59
Monitoring Well	MW-62	4/21/2009	4	NA	5561.32	NA	5558.56	58	42-57	55.50	5503.06
Monitoring Well	MW-63	4/14/2009	4	NA	5547.26	NA	5544.49	46.00	29.75-44.75	44.75	5499.74
Monitoring Well	MW-64	4/7/2009	4	NA	5552.29	NA	5549.11	50	34-49	48.00	5501.11
Monitoring Well	MW-65	4/16/2009	4	NA	5539.52	NA	5539.90	44	28-43	42.00	5497.90
Monitoring Well	MW-66	4/20/2009	4	NA	5544.63	NA	5541.98	43	27-42	41.00	5500.98
Monitoring Well	MW-67	8/26/2010	4	NA	5523.31	NA	5520.54	23	12-22	21.25	5499.29
Monitoring Well	MW-68	8/27/2010	4	NA	5517.37	NA	5514.30	18	7-17	17.00	5497.30
Monitoring Well	MW-69	8/31/2010	4	NA	5508.51	NA	5505.20	9.8	3.5-8.5	8.00	5497.20
Monitoring Well	MW-70	1/30/2012	2	NA	5527.93	NA	5524.78	26.3	15-25	23.80	5500.98
Monitoring Well	MW-71	10/3/2014	2	NA	5529.08	NA	5526.47	39.0	15-35.3	32.00	5494.50
Monitoring Well	MW-72	10/3/2014	4	NA	5528.54	NA	5528.54	34.9	22.5-32.6	32.30	5496.20
Monitoring Well	MW-73	10/3/2014	4	NA	5528.92	NA	5526.80	36.7	19.2-33.6	33.50	5493.30
Monitoring Well	MW-74	10/3/2014	4	NA	5528.55	NA	5526.90	33.9	16-30.9	30.00	5496.90
Monitoring Well	MW-75	10/9/2014	2	NA	5528.76	NA	5526.40	32.3	19.5-29.5	28.00	5496.40
Monitoring Well	MW-76	10/9/2014	4	NA	5528.61	NA	5526.60	34.2	21.3-31.3	30.00	5496.60
Monitoring Well	MW-77	10/9/2014	4	NA	5527.59	NA	5525.96	34.3	22.2-32.1	31.00	5495.00
Monitoring Well	MW-78	2/24/2022	2	NA	NA	NA	NA	37.5	22.5-37.5	33	NA
Piezometers	P-01	8/30/1988	4	5524.49	NA	5523.69	NA	41.7	20.5-36.5	36.50	5487.19
Piezometers	P-02	8/29/1988	4	5523.86	NA	5523.06	NA	37.5	16.9-32.2	31.50	5491.56
Piezometers	P-03	9/1/1988	4	5507.31	5510.77	5506.51	5510.34	22.0	6.2-16.6	14	5492.51
Recovery Well	RW-1	8/31/1988	4	5526.01	5529.34	5524.61	5527.93	39.6	17.4-33.0	32.6	5492.01
Recovery Well	RW-2	8/29/1988	4	5523.61	5526.94	5523.11	5526.42	34.6	16.5-32.2	32	5491.11
Recovery Well	RW-3	3/4/1986	6	5516.96	5520.35	5515.56	5519.28	32.5	10.5-30.5	23	5492.56
Recovery Well	RW-9	3/3/1986	6	5519.77	5523.21	5518.07	5521.23	32.3	10.3-30.3	28.3	5489.77
Recovery Well	RW-14	8/6/1990	4	5534.13	5537.50	5532.23	5535.19	41.1	21.1-39.1	38.5	5493.73
Recovery Well	RW-15	8/7/1990	4	5533.44	5536.83	5531.74	5534.56	41.7	21.7-39.7	35	5496.74
Recovery Well	RW-16	8/7/1990	4	5532.09	5535.45	5530.29	5533.22	41.3	21.3-39.3	37.5	5492.79
Recovery Well	RW-17	8/7/1990	4	5530.46	5533.84	5528.86	5532.01	40.0	19.9-35.3	35.3	5493.56
Recovery Well	RW-18	8/9/1990	4	5526.08	NA	5523.48	NA	NA	17.3-35.3	29	5494.48

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Former Refinery Complex											
Recovery Well	RW-19	8/8/1990	4	5527.27	5530.51	5525.77	5528.75	35.2	15.2-33.2	33	5492.77
Recovery Well	RW-22	7/19/1993	6	5521.06	5524.44	5518.05	5521.44	35.6	14.7-30.7	27	5491.05
Recovery Well	RW-23	7/19/1993	6	5517.74	5521.38	5515.74	5519.13	35.5	15.4-31.4	29	5486.74
Recovery Well	RW-28	5/13/1994	4	5524.52	5527.93	5522.52	5525.69	35	18-33	32	5490.52
Recovery Well	RW-42	3/11/1997	2	5527.48	5527.48	5529.80	5526.98	35	25-35	31.50	5495.98
Recovery Well	RW-43	9/25/1998	2	NA	5515.74	5522.18	5519.44	25	15-25	22.80	5492.94
North Boundary Barrier											
Observation Well	OW 0+60	4/2005	2	5508.75	5506.62	5505.97	5506.75	12	4-12	12	5494.62
Observation Well	OW 1+50	4/2005	2	5508.00	5508.03	5504.60	5505.63	12	7-12	12	5496.03
Observation Well	OW 3+85	4/2005	2	5506.81	5507.31	5503.87	5505.09	14	7.5-12.5	12.5	5494.81
Observation Well	OW 5+50	4/2005	2	5507.14	5507.59	5503.87	5504.84	10.7	5.7-10.7	9.5	5498.08
Observation Well	OW 6+70	4/2005	2	5504.23	5504.78	5501.32	5502.14	13.5	7.5-13.5	13	5491.78
Observation Well	OW 8+10	4/2005	2	5506.00	5506.53	5503.15	5504.27	13	7-13	7	5499.53
Observation Well	OW 11+15	4/2005	2	5506.77	5506.70	5503.67	5504.07	15.5	6-13.5	9	5497.70
Observation Well	OW 14+10	4/2005	2	5507.36	5508.14	5504.51	5505.73	10	5-10	9	5499.14
Observation Well	OW 16+60	4/2005	2	5507.80	5508.43	5504.21	5505.42	12.5	7.5-12.5	12	5496.43
Observation Well	OW 19+50	4/2005	2	5507.24	5508.03	5504.14	5505.25	10	5-10	10	5498.03
Observation Well	OW 22+00	4/2005	2	5506.32	5506.91	5506.32	5506.97	14	9-14	12	5494.91
Observation Well	OW 23+10	4/2005	2	5510.66	5514.12	5510.16	5511.24	15	5-15	14	5500.12
Observation Well	OW 23+90	4/2005	2	5511.15	5515.18	5511.15	5512.17	15	10-15	13.5	5501.68
Observation Well	OW 25+70	4/2005	2	5508.56	5509.00	5508.01	5506.88	11	6-11	10	5499.00
Collection Well	CW 0+60	4/2005	6	5507.04	5506.68	5506.08	5507.01	14	4-14	12	5494.68
Collection Well	CW 1+50	4/2005	6	5505.00	5505.13	5504.40	5505.47	13	3-13	11	5494.13
Collection Well	CW 3+85	4/2005	6	5504.94	5503.87	5503.25	5504.11	13.5	3.5-13.5	11	5492.87
Collection Well	CW 5+50	4/2005	6	5503.23	5503.76	5504.17	5503.16	12.5	3.5-12.5	10	5493.76
Collection Well	CW 6+70	4/2005	6	5504.21	5503.84	5503.26	5504.11	12	4-12	9	5494.84
Collection Well	CW 8+10	4/2005	6	5503.96	5504.02	5503.33	5504.14	12	4-12	9.5	5494.52
Collection Well	CW 8+45	4/2005	6	5504.77	5503.80	5503.67	5504.09	13.3	3.3-13.3	9.5	5494.30
Collection Well	CW 11+15	4/2005	6	5504.69	5503.95	5503.73	5504.34	12.5	2.5-12.5	9	5494.95
Collection Well	CW 14+10	4/2005	6	5505.68	5504.39	5503.97	5504.69	13.5	3.5-13.5	9.5	5494.89
Collection Well	CW 16+60	4/2005	6	5505.72	5504.32	5504.02	5504.59	13.5	3.5-13.5	10	5494.32
Collection Well	CW 19+50	4/2005	6	5507.48	5504.52	5509.23	5504.75	11	3-11	8	5496.52
Collection Well	CW 22+00	4/2005	6	5510.82	5508.04	5510.16	5508.26	13.5	3.5-13.5	8	5500.04
Collection Well	CW 23+10	4/2005	6	5507.65	5510.04	5506.72	5510.27	15	5-15	13	5497.04
Collection Well	CW 23+90	4/2005	6	5507.65	5507.32	5506.72	5507.71	12	4-12	13	5494.32
Collection Well	CW 25+95	4/2005	6	5507.00	5505.90	5505.19	5505.89	11	3-11	13	5492.90

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TABLE 1
WELL SUMMARY
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Well Type	Well ID	Installation Date	Well Diameter (in)	Measuring Point Elevation [1] (Before 2006) (ft above msl)	Measuring Point Elevation [1] (After 2006) (ft above msl)	Grade Elevation [1] (before 2006) (ft above msl)	Grade Elevation [1] (after 2006) (ft above msl)	Total Well Depth (ft bgs)	Screened Interval (ft bgs)	Depth to Nacimiento Formation [2] (ft bgs)	Elevation of Nacimiento Surface [2] (ft above msl)
San Juan River Bluff											
Sump Well	SW1-0206	2/20/2006	4	NA	5508.27	NA	5505.87	53	21-51	13.50	5494.77
Sump Well	SW2-0206	2/6/2006	4	NA	5507.75	NA	5505.25	27	5-25	10	5497.75
Sump Well	SW3-0206	2/17/2006	4	NA	5505.29	NA	5503.18	52	20-50	7.75	5497.54
Sump Well	SW4-0206	2/16/2006	4	NA	5504.45	NA	5502.13	42	9.5-39.5	11	5493.45
Sump Well	SW5-0206	2/15/2006	4	NA	5514.34	NA	5511.94	52	19-49	27.25	5487.09
Sump Well	SW6-0206	2/13/2006	4	NA	5519.72	NA	5517.63	47	15-45	31.75	5487.97
Sump Well	SW7-0206	2/22/2006	4	NA	5508.42	NA	5505.78	30	4-24	11	5497.42
Monitoring Well	MW-48	10/28/2004	4	5421.37	5424.83	5418.48	5422.21	15	5-15	NA	NA
Monitoring Well	MW-49	10/28/2004	4	5421.22	5425.20	5418.07	5422.52	15	4-14	NA	NA
Dewatering Well	DW-1	8/16/2005	4	5423.80	5422.97	NA	5420.73	16	5-14	NA	NA
Dewatering Well	DW-2	8/18/2005	4	NA	5423.81	NA	5422.67	14	4-14	NA	NA
Dewatering Well	DW-3	2/14/2013	4	NA	5424.79	NA	5422.43	15	6-14	NA	NA
Temporary Piezometer	TP-3	10/28/2004	2	5423.88	5423.88	5422.66	NA	9	4-9	NA	NA
Temporary Piezometer	TP-5	10/28/2004	2	5422.83	5422.83	5422.00	NA	8	3-8	NA	NA
Temporary Piezometer	TP-6	10/28/2004	2	5422.56	5422.55	5421.40	NA	10	5-10	NA	NA
Temporary Piezometer	TP-7	10/28/2004	2	5422.00	5421.99	5420.90	NA	10	5-10	NA	NA
Temporary Piezometer	TP-8	10/28/2004	2	5422.52	5422.52	5421.13	NA	10	5-10	NA	NA
Temporary Piezometer	TP-9	4/5/2005	2	5422.14	5422.14	5421.55	NA	10	5-10	NA	NA
Temporary Piezometer	TP-10	4/5/2005	2	5422.56	5422.56	5422.56	NA	8.5	3.5-8.5	NA	NA
Temporary Piezometer	TP-11	4/5/2005	2	NA	NA	NA	NA	9.5	4.5-9.5	NA	NA
Temporary Piezometer	TP-12	4/5/2005	2	5424.97	5424.97	5424.97	NA	12	7-12	NA	NA
Temporary Piezometer	TP-13	4/5/2005	2	5423.88	5423.88	5423.88	NA	14.5	4.5-12.4	NA	NA

Notes:
bgs = below grade surface
ft = feet
in = inches
msl = mean seal level
NA = not available
[1] Top of casing elevations were resurveyed in 2006.
[2] See well logs for more information.

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TABLE 2
ANALYTICAL METHODS AND TARGET ANALTES
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Analysis (Method)[1]	Target List
Former Refinery Complex/North Boundary Barrier/San Juan River Bluff	
VOCs (EPA Method 8260)	Benzene
	Toluene
	Ethylbenzene
	Xylenes
	Methyl tert-butyl ether
SVOCs (EPA Method 8270)	Method List
TPH-GRO (EPA Method 8015)	Method List (Gasoline Range Organics)
TPH-DRO (EPA Method 8015)	Method List (Diesel Range Organics and Motor Oil Range Organics)
Total Carbon Dioxide (Lab Calculated or SM 2320)	Method List (Dissolved CO_2)
TDS (EPA Method 120.1 or Field Measurement)	Method List (Total Dissolved Solids)
Anions (EPA Method 300.0)	Fluoride
	Chloride
	Bromide
	Nitrogen, Nitrate (as N)
	Nitrogen, Nitrite (as N)
	Phosphorous, Orthophosphate (As P)
	Sulfate
Alkalinity (EPA Method 310.1)	Alkalinity, Total
	Carbonate
	Bicarbonate
Total Metals (EPA Methods 6010/6020/245.1)[2]	Arsenic
	Barium
	Cadmium
	Chromium
	Lead
	Mercury
	Selenium
	Sliver
Dissolved Metals (EPA Methods 6010)	Arsenic
	Barium
	Cadmium
	Calcium
	Chromium
	Copper
	Iron
	Lead
	Magnesium
	Manganese
	Mercury
	Potassium
	Selenium
	Silver
	Sodium
	Uranium
	Zinc

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TABLE 2
ANALYTICAL METHODS AND TARGET ANALTES
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Analysis (Method)[1]	Target List
San Juan River Terrace	
VOCs (EPA Method 8021)[3]	Benzene
	Toluene
	Ethylbenzene
	Xylenes
	Methyl tert-butyl ether
TPH-GRO (EPA Method 8015)	Method List (Gasoline Range Organics)
TPH-DRO (EPA Method 8015)	Method List (Diesel Range Organics and Motor Oil Range Organics)
Total Metals (EPA Methods 6010/7470)	Lead
	Mercury (DW-1 ONLY)
VOCs - Soil Vapor (EPA Method 8260)	Benzene
	Toluene
	Ethylbenzene
	Xylenes
TPH-GRO - Soil Vapor (EPA Method 8015)	Method List (Gasoline Range Organics)

Notes:
CO_2 = carbon dioxide
DRO = diesel range organics
EPA = U.S. Environmental Protection Agency
GRO = gasoline range organics
SVOCs = semi-volatile organic compounds
TDS = total dissolved solids
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds

[1] All analyses will be conducted according to the numerical EPA method listed in the table. Different revisions to the method, which are designated with a letter, may be requested based on historical application and/or quality control parameters. All method versions will generate the same results, per discussion with the certified laboratory manager.

[2] Mercury will be analyzed by method 245.1 versus method 7470 per laboratory preference/default. Both method 245.1 and 7470 are performed under the same requirements and there are no differences between the results produced, per confirmed discussion with the certified laboratory.

[3] VOCs Target list for River Terrace samples are analyzed by EPA Method 8021B per NMED's letter Approval with Direction dated June 16, 2009.

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TABLE 3
FACILITY-WIDE MONITORING PLAN SUMMARY
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Well ID	Sampling Event	VOCs (EPA Method 8260)	VOCs - Target List [1] (EPA Method 8260)	SVOCs (EPA Method 8270)	TPH-Diesel Range Organics Extended (EPA Method 8015)	TPH-Gasoline Range Organics (EPA Method 8015)	Total Recoverable Metals - Target List (EPA Method 6010/7470)	Total Dissolved Metals - Target List (EPA Method 6010/7470)	General Chemistry - Alkalinity (EPA Method 310.1)	General Chemistry - Anions (EPA Method 300.0)	Carbon Dioxide (EPA Method 310.1)	Total Dissolved Solids (EPA Method 160.1 or Field Measurement)	Specific Conductance (EPA Method 120.1 or Field Measurement)	Temperature, pH, ORP (Field Measurement)	Dissolved Oxygen (Field Measurement)
Former Refinery Complex															
Background Wells (Semiannual Event: 1; Annual Event: 3)															
MW-3	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-5	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-6	*Semiannual (April)*		*X*									*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
BCK-1	*Semiannual* and Annual	No Sampling; Collection of Groundwater Levels Only													
BCK-2	*Semiannual* and Annual	No Sampling; Collection of Groundwater Levels Only													
Process Area Wells (Semiannual Event: 2; Annual Event: 16)															
RW-1	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-4	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
RW-9	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
RW-15	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
RW-18	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-20	*Semiannual (April)*		*X*									*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-21	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
RW-23	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
RW-28	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-29	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-30	*Semiannual (April)*		*X*									*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-31	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-40	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
RW-42	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
RW-43	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-44	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
Cross-Gradient Wells (Semiannual Event: 4; Annual Event: 7)															
MW-1	*Semiannual (April)*		*X*		*X*	*X*						*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-8	*Semiannual (April)*		*X*									*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X

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TABLE 3
FACILITY-WIDE MONITORING PLAN SUMMARY
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Well ID	Sampling Event	VOCs (EPA Method 8260)	VOCs - Target List [1] (EPA Method 8260)	SVOCs (EPA Method 8270)	TPH-Diesel Range Organics Extended (EPA Method 8015)	TPH-Gasoline Range Organics (EPA Method 8015)	Total Recoverable Metals - Target List (EPA Method 6010/7470)	Total Dissolved Metals - Target List (EPA Method 6010/7470)	General Chemistry - Alkalinity (EPA Method 310.1)	General Chemistry - Anions (EPA Method 300.0)	Carbon Dioxide (EPA Method 310.1)	Total Dissolved Solids (EPA Method 160.1 or Field Measurement)	Specific Conductance (EPA Method 120.1 or Field Measurement)	Temperature, pH, ORP (Field Measurement)	Dissolved Oxygen (Field Measurement)
Cross-Gradient Wells Cont'd (Semiannual Event: 4; Annual Event: 7)															
MW-13	*Semiannual (April)*		*X*									*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-26	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-27	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-32	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-33	*Semiannual (April)*		*X*		*X*	*X*						*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
Downgradient Wells (Semiannual Event: 4; Annual Event: 6)															
MW-11	Annual (August)	X		X[S1]	X	X	X	X	X	X	X	X	X	X	X
MW-12	*Semiannual (April)*		*X*		X	X						*X*	*X*	*X*	*X*
	Annual (August)	X		X[S1]	X	X	X	X	X	X	X	X	X	X	X
MW-34	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-35	*Semiannual (April)*		*X*									*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-37	*Semiannual (April)*		*X*		*X*	*X*						*X*	*X*	*X*	*X*
	Annual (August)	X			X	X	X	X	X	X	X	X	X	X	X
MW-38	*Semiannual (April)*		*X*		*X*	*X*						*X*	*X*	*X*	*X*
	Annual (August)	X		X[S1]	X	X	X	X	X	X	X	X	X	X	X
RCRA Investigation Wells (Annual Event: 29)															
MW-50	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-51	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-52	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-53	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-54	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-55	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-56	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-57	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-58	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-59	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-60	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-61	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X

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TABLE 3
FACILITY-WIDE MONITORING PLAN SUMMARY
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Well ID	Sampling Event	VOCs (EPA Method 8260)	VOCs - Target List [1] (EPA Method 8260)	SVOCs (EPA Method 8270)	TPH-Diesel Range Organics Extended (EPA Method 8015)	TPH-Gasoline Range Organics (EPA Method 8015)	Total Recoverable Metals - Target List (EPA Method 6010/7470)	Total Dissolved Metals - Target List (EPA Method 6010/7470)	General Chemistry - Alkalinity (EPA Method 310.1)	General Chemistry - Anions (EPA Method 300.0)	Carbon Dioxide (EPA Method 310.1)	Total Dissolved Solids (EPA Method 160.1 or Field Measurement)	Specific Conductance (EPA Method 120.1 or Field Measurement)	Temperature, pH, ORP (Field Measurement)	Dissolved Oxygen (Field Measurement)
RCRA Investigation Wells Cont'd (Annual Event: 29)															
MW-62	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-63	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-64	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-65	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-66	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-67	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-68	Annual (August)	X			X*	X	X	X	X	X	X	X	X	X	X
MW-69	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-70	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-71	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-72	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-73	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-74	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-75	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-76	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-77	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
MW-78	Annual (August)	X		X	X	X	X	X	X	X	X	X	X	X	X
North Boundary Barrier															
Collection Wells (Semiannual and Annual Events: 2)															
CW 0+60	*Semiannual (April)*		*X*		*X*							*X*	*X*	*X*	*X*
	Annual (August)		X		X							X	X	X	X
CW 25+95	*Semiannual (April)*		*X*		*X*							*X*	*X*	*X*	*X*
	Annual (August)		X		X							X	X	X	X
Observation Wells (Semiannual and Annual Events: 14)															
OW 0+60	*Semiannual (April)*		*X*		*X*	*X*						*X*	*X*	*X*	*X*
	Annual (August)		X		X	X						X	X	X	X
OW 1+50	*Semiannual (April)*		*X*		*X*	*X*						*X*	*X*	*X*	*X*
	Annual (August)		X		X	X						X	X	X	X
OW 3+85	*Semiannual (April)*		*X*		*X*	*X*						*X*	*X*	*X*	*X*
	Annual (August)		X		X	X						X	X	X	X

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TABLE 3
FACILITY-WIDE MONITORING PLAN SUMMARY
Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Well ID	Sampling Event	VOCs (EPA Method 8260)	VOCs - Target List [1] (EPA Method 8260)	SVOCs (EPA Method 8270)	TPH-Diesel Range Organics Extended (EPA Method 8015)	TPH-Gasoline Range Organics (EPA Method 8015)	Total Recoverable Metals - Target List (EPA Method 6010/7470)	Total Dissolved Metals - Target List (EPA Method 6010/7470)	General Chemistry - Alkalinity (EPA Method 310.1)	General Chemistry - Anions (EPA Method 300.0)	Carbon Dioxide (EPA Method 310.1)	Total Dissolved Solids (EPA Method 160.1 or Field Measurement)	Specific Conductance (EPA Method 120.1 or Field Measurement)	Temperature, pH, ORP (Field Measurement)	Dissolved Oxygen (Field Measurement)
Observation Wells Cont'd (Semiannual and Annual Events: 14)															
OW 5+50	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 6+70	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 8+10	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 11+15	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 14+10	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 16+60	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 19+50	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 22+00	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 23+10	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 23+90	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
OW 25+70	*Semiannual (April)*		X		X	X						X	X	X	X
	Annual (August)		X		X	X						X	X	X	X
Sump Wells [2]															
SW-1	Major Precipitation Event	No Sampling; Collection of Groundwater and SPH Levels Only													
SW-2	Major Precipitation Event	No Sampling; Collection of Groundwater and SPH Levels Only													
SW-3	Major Precipitation Event	No Sampling; Collection of Groundwater and SPH Levels Only													
SW-4	Major Precipitation Event	No Sampling; Collection of Groundwater and SPH Levels Only													
SW-5	Major Precipitation Event	No Sampling; Collection of Groundwater and SPH Levels Only													
SW-6	Major Precipitation Event	No Sampling; Collection of Groundwater and SPH Levels Only													
SW-7	Major Precipitation Event	No Sampling; Collection of Groundwater and SPH Levels Only													

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TABLE 3
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Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Well ID	Sampling Event	VOCs (EPA Method 8260)	VOCs - Target List [1] (EPA Method 8260)	SVOCs (EPA Method 8270)	TPH-Diesel Range Organics Extended (EPA Method 8015)	TPH-Gasoline Range Organics (EPA Method 8015)	Total Recoverable Metals - Target List (EPA Method 6010/7470)	Total Dissolved Metals - Target List (EPA Method 6010/7470)	General Chemistry - Alkalinity (EPA Method 310.1)	General Chemistry - Anions (EPA Method 300.0)	Carbon Dioxide (EPA Method 310.1)	Total Dissolved Solids (EPA Method 160.1 or Field Measurement)	Specific Conductance (EPA Method 120.1 or Field Measurement)	Temperature, pH, ORP (Field Measurement)	Dissolved Oxygen (Field Measurement)
San Juan River Bluff															
Outfalls (Semiannual and Annual Events: 2)															
East Outfall #2	*Semiannual (April)*		X				X	X	X	X	X	X	X	X	
	Annual (August)		X				X	X	X	X	X	X	X	X	
East Outfall #3	*Semiannual (April)*		X				X	X	X	X	X	X	X	X	
	Annual (August)		X				X	X	X	X	X	X	X	X	
Seeps (Semiannual and Annual Events: 5)[3]															
Seep 1	*Semiannual (April)*		X						X	X	X	X	X	X	
	Annual (August)		X						X	X	X	X	X	X	
Seep 2	*Semiannual (April)*		X						X	X	X	X	X	X	
	Annual (August)		X						X	X	X	X	X	X	
Seep 3	*Semiannual (April)*		X						X	X	X	X	X	X	
	Annual (August)		X						X	X	X	X	X	X	
Seep 5	*Semiannual (April)*		X						X	X	X	X	X	X	
	Annual (August)		X						X	X	X	X	X	X	
Jungle Seep	*Semiannual (April)*		X						X	X	X	X	X	X	
	Annual (August)		X						X	X	X	X	X	X	
San Juan River - Surface Water Samples (Semiannual and Annual Events: 4)															
Upstream	*Semiannual (April)*		X		X	X	X	X	X	X		X	X		
	Annual (August)		X		X	X	X	X	X	X		X	X		
North of MW-46	*Semiannual (April)*		X		X	X	X	X	X	X		X	X		
	Annual (August)		X		X	X	X	X	X	X		X	X		
North of MW-45	*Semiannual (April)*		X		X	X	X	X	X	X		X	X		
	Annual (August)		X		X	X	X	X	X	X		X	X		
Downstream	*Semiannual (April)*		X		X	X	X	X	X	X		X	X		
	Annual (August)		X		X	X	X	X	X	X		X	X		

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TABLE 3
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Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

Well ID	Sampling Event	VOCs (EPA Method 8260)	VOCs - Target List [1] (EPA Method 8260)	SVOCs (EPA Method 8270)	TPH-Diesel Range Organics Extended (EPA Method 8015)	TPH-Gasoline Range Organics (EPA Method 8015)	Total Recoverable Metals - Target List (EPA Method 6010/7470)	Total Dissolved Metals - Target List (EPA Method 6010/7470)	General Chemistry - Alkalinity (EPA Method 310.1)	General Chemistry - Anions (EPA Method 300.0)	Carbon Dioxide (EPA Method 310.1)	Total Dissolved Solids (EPA Method 160.1 or Field Measurement)	Specific Conductance (EPA Method 120.1 or Field Measurement)	Temperature, pH, ORP (Field Measurement)	Dissolved Oxygen (Field Measurement)
San Juan River Terrace - Groundwater Samples [4]															
Monitoring and Dewatering Wells (Semiannual and Annual Events: 6)															
MW-48	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
MW-49	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
DW-1	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
DW-2	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
DW-3	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
Collection Gallery	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
Piezometers (Semiannual and Annual Events: 5)															
TP-3	*High Flow Event or Semiannual (April)*	*No Sampling; Collection of Groundwater and SPH Levels Only*													
	Annual (August)	No Sampling; Collection of Groundwater and SPH Levels Only													
TP-5	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
TP-6	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
TP-7	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
TP-8	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
TP-9	*High Flow Event or Semiannual (April)*		*X*		*X*	*X*	*X*						*X*	*X*	*X*
	Annual (August)		X		X	X	X						X	X	X
TP-10	*High Flow Event or Semiannual (April)*	*No Sampling; Collection of Groundwater and SPH Levels Only*													
	Annual (August)	No Sampling; Collection of Groundwater and SPH Levels Only													
TP-11	*High Flow Event or Semiannual (April)*	*No Sampling; Collection of Groundwater and SPH Levels Only*													
	Annual (August)	No Sampling; Collection of Groundwater and SPH Levels Only													

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Bloomfield Terminal - 2023 Facility-Wide Groundwater Monitoring Plan
Marathon Petroleum Corporation
San Juan County, New Mexico

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Piezometers Cont'd (Semiannual and Annual Events: 5)															
TP-12	*High Flow Event or Semiannual (April)*	*No Sampling; Collection of Groundwater and SPH Levels Only*													
	Annual (August)	No Sampling; Collection of Groundwater and SPH Levels Only													
TP-13	*High Flow Event or Semiannual (April)*	*No Sampling; Collection of Groundwater and SPH Levels Only*													
	Annual (August)	No Sampling; Collection of Groundwater and SPH Levels Only													
San Juan River Terrace - Soil Gas and Air Sparge System Samples															
Monitoring, Dewatering, and Bioventing Wells															
MW-48	Annual (August)	X				X									
DW-2	Annual (August)	X				X									
DW-3	Annual (August)	X				X									
BV-1	Annual (August)	X				X									
BV-2	Annual (August)	X				X									
BV-3	Annual (August)	X				X									
BV-4	Annual (August)	X				X									
BV-5	Annual (August)	X				X									
BV-6	Annual (August)	X				X									
Bioventing Air Sparge System															
Air Sparging Line A	Annual (August)	X				X									
Air Sparging Line B	Annual (August)	X				X									
Main Blower	Annual (August)	X				X									
Piezometers															
TP-5	Annual (August)	X				X									
TP-6	Annual (August)	X				X									
TP-7	Annual (August)	X				X									
TP-8	Annual (August)	X				X									

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San Juan County, New Mexico

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Notes:

ID = identification

DRO = Diesel Range Organics

EPA = U.S. Environmental Protection Agency

NMED = New Mexico Environment Department

ORP = oxidation reduction potential

RCRA = Resource Conservation and Recovery Act

SPH = separate phase hydrocarbons

SVOC = semi-volatile organic compound

TPH = total petroleum hydrocarbons

VOC = volatile organic compounds

[1] Refer to Table 3 for respective Target Analytes Lists.

[2] Groundwater and SPH levels are monitored in each sump well following each major precipitation event (NMED, 2008)

[3] In August 2014, Western notified NMED-HWB of a significant rain event that resulting in severe flash flooding in the Bloomfield, New Mexico area. The storm caused the Hammond Ditch to reverse flow directly, resulting in the entire roadway along the north boundary barrier to fill with water. The significant run-off along the river bluff resulting in Seep 4, Seep 6, Seep 7, Seep 8, and Seep 9 to permanently erode away. (Western, April 14, 2016).

[4] River Terrace sampling plan assumes the approval to discontinue the biovent/air sparge system operation, as requested in the 2022 River Terrace annual report (Western, March 30, 2023). If system operation continues, DW-1 will be sampled biennially on odd years only, with fluid levels being collected semiannually. The remainder of the wells listed as being sampled either during high flow or semiannually in April and in August will only be sampled if a high flow event occurs and in August and no River Terrace sampling will occur in April unless a high flow event is anticipated.

[S1] SVOCs analyzed biennially

* = If well consistently contains concentrations of DRO exceeding the "unknown oil" standard for 3 years, SVOCs will be analyzed at least once the following year (NMED, 2014).

Refer to Work Plan Section 5.3 for the requirement to run the full list of VOCs by method 8260 for water samples collected in 2018 at the granular activated carbon treatment unit.

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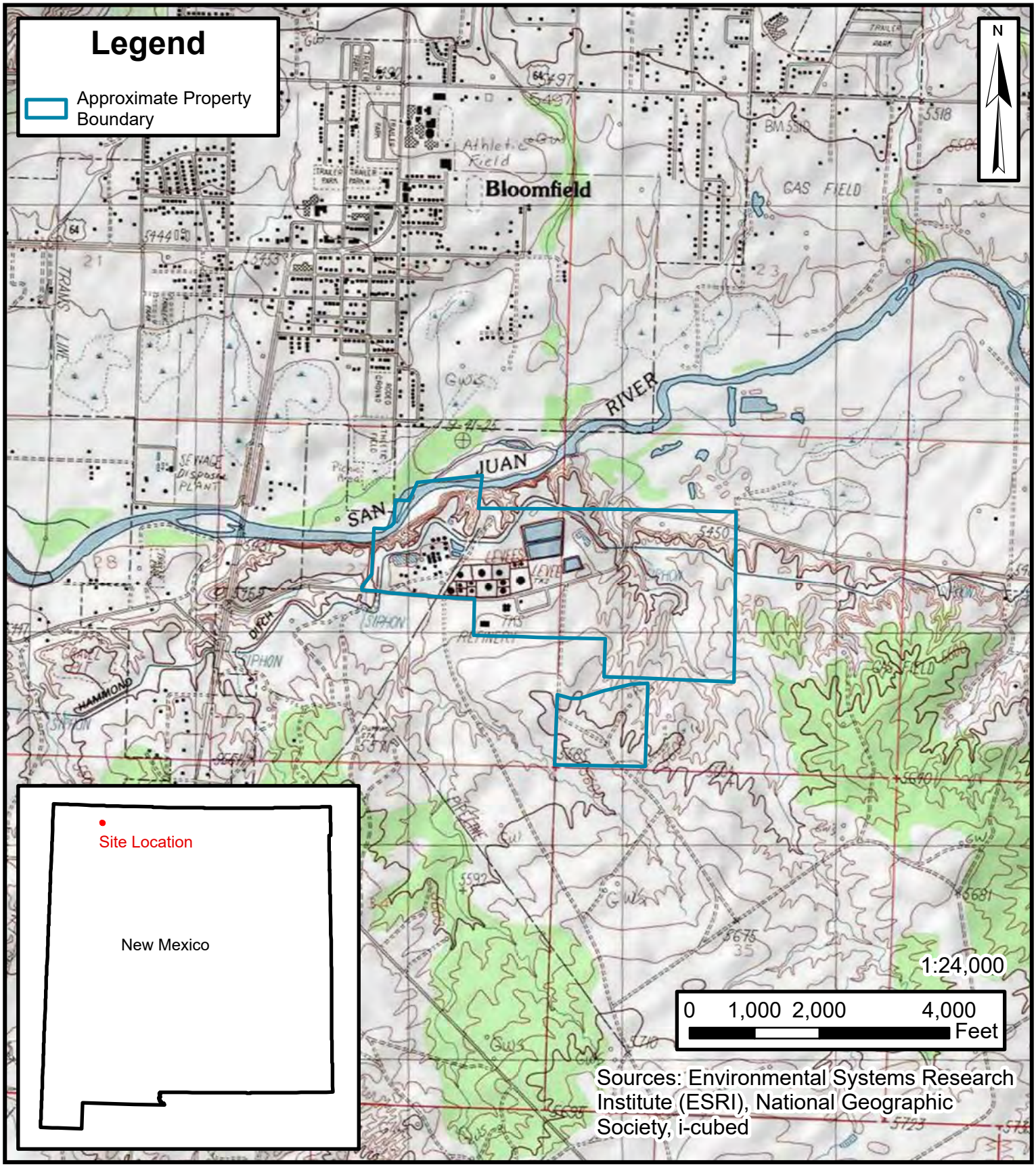
Figures



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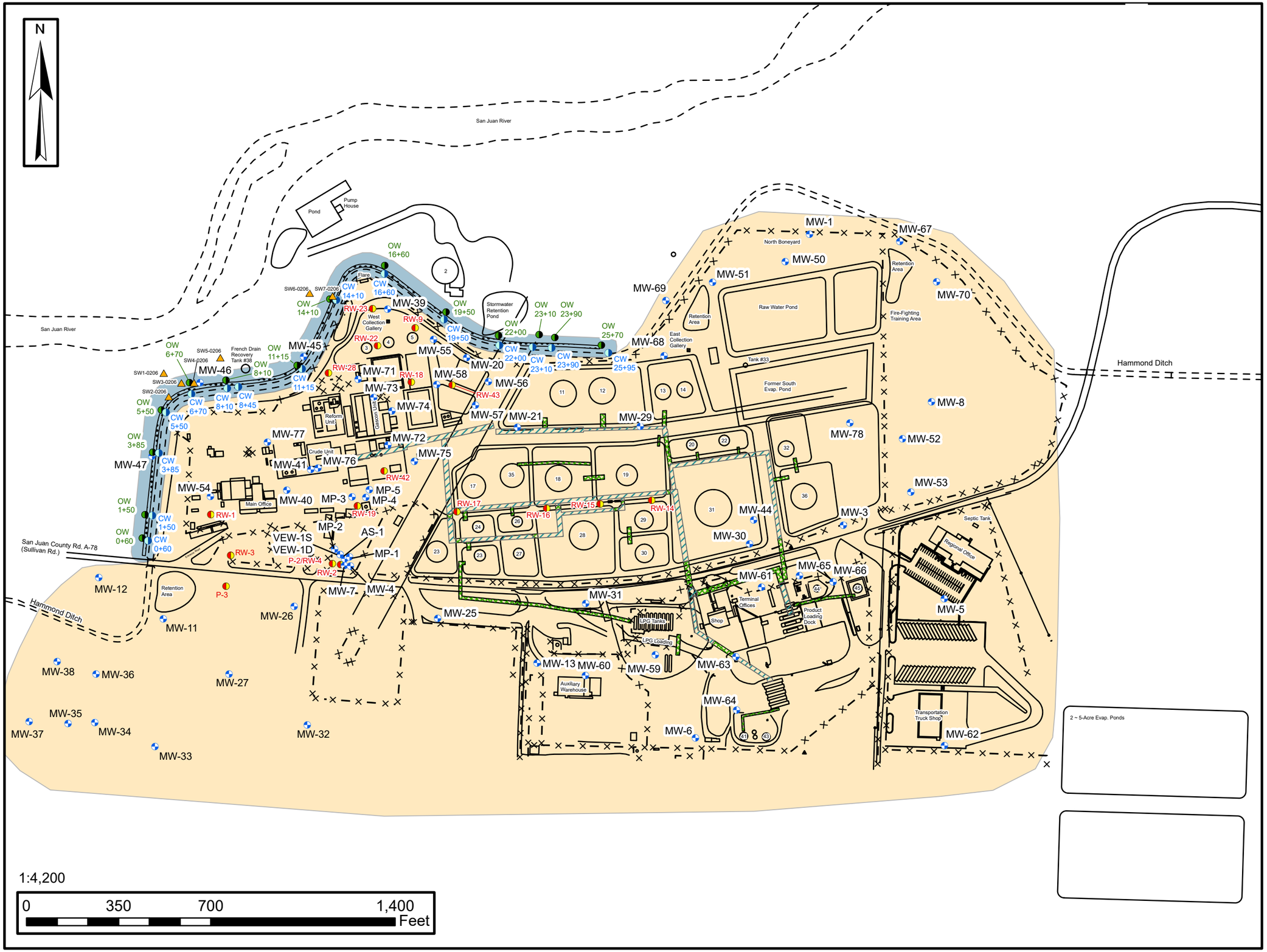
Facility Site Map

Bloomfield Terminal
Western Refining
Southwest, LLC
Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE

1

Drafted: May 2023



Legend

- Fence
- Above Ground Pipe
- Underground Pipe
- Barrier Wall
- Collection Well
- Monitoring Well
- Observation Well
- Recovery Well
- Sump Well
- Former Refinery Complex
- North Boundary Barrier

North Boundary Barrier and Former Refinery Complex Monitoring Location Map

Bloomfield Terminal
Western Refining
Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

Figure 2

Drafted: May 2023

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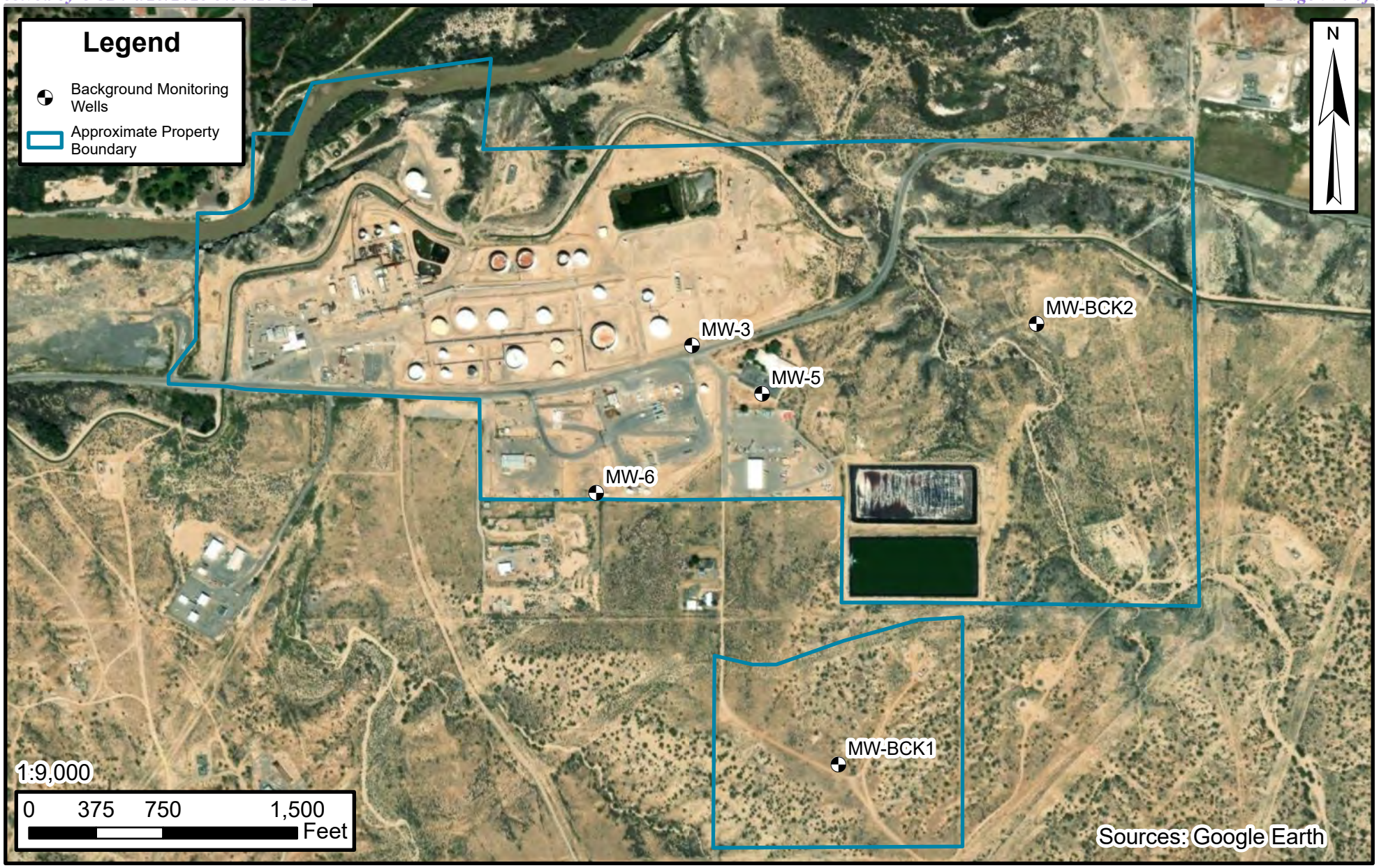

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Background Monitoring Well Location Map

Bloomfield Terminal
Western Refining Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE
3

Drafted: May 2023

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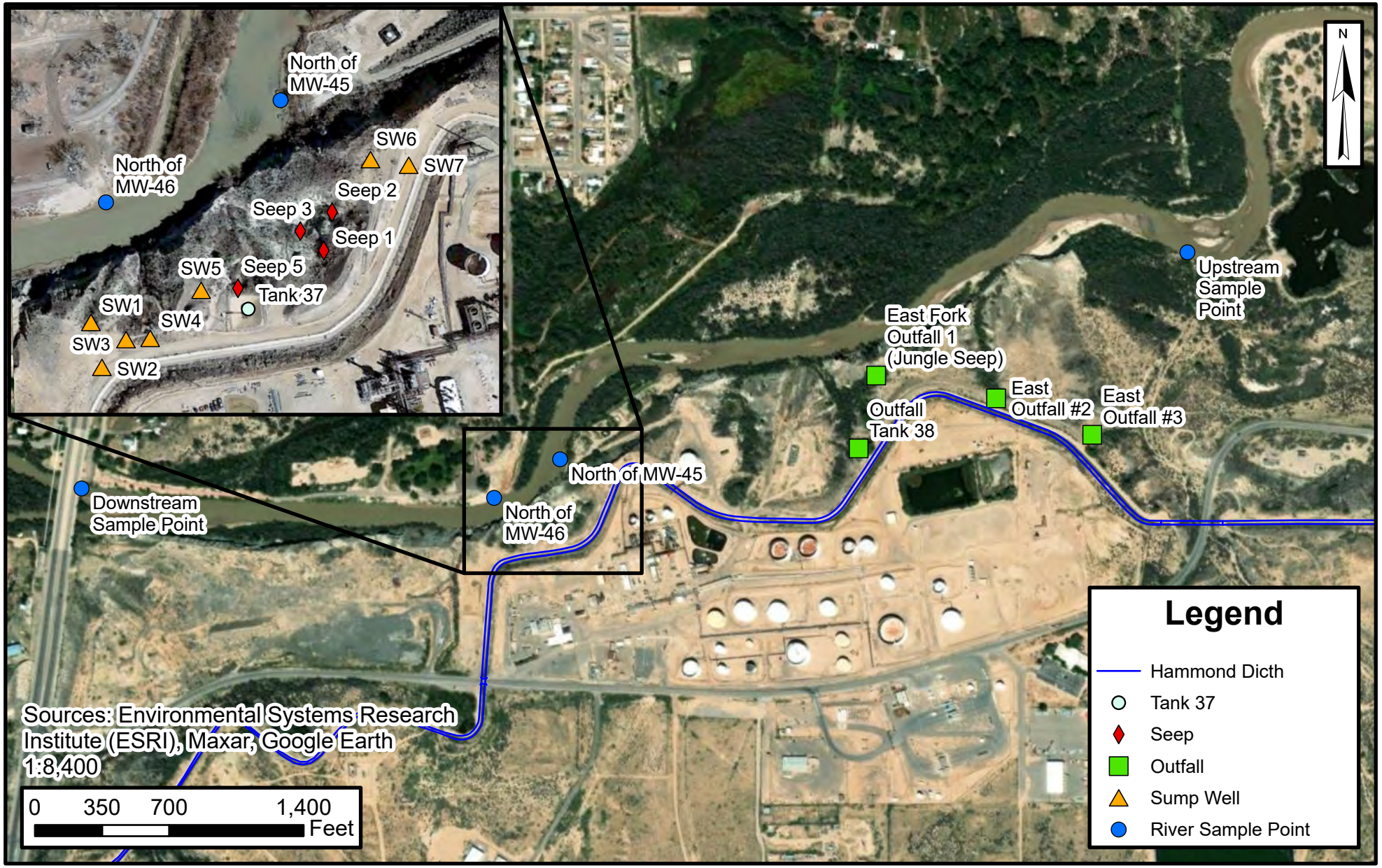
San Juan River Terrace Monitoring Location Map

Bloomfield Terminal
Western Refining Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE
4

Drafted: May 2023



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San Juan River Bluff Monitoring Location Map

Bloomfield Terminal
Western Refining Southwest, LLC

Sec 26,27, T29S, R11W
San Juan County, New Mexico

FIGURE
5

Drafted: May 2023

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 455890

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 455890
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
joel.stone	None	5/9/2025