TECHNICAL MEMORANDUM

Supplemental Site Assessment: Former Sumner Store Findings Report

95646 Coos-Sumner Lane, Coos Bay, Oregon

LUST #06-94-0030

To: Sarah Kingery, Oregon Department of Environmental Quality

From: Rick Ernst, GSI Water Solutions, Inc.
Renee Fowler, GSI Water Solutions, Inc.

Date: June 25, 2026

Introduction

This memorandum presents the findings of a Supplemental Site Assessment (SSA) at the former Sumner Store (the "Site") near Coos Bay, Oregon (Figure 1). In May 2026, GSI Water Solutions, Inc. (GSI), implemented the April 27, 2026, SSA Water Sampling and Analysis Plan (SAP) to collect porewater and surface water samples at the Site (GSI, 2026). GSI completed this work and prepared this memorandum for the Oregon Department of Environmental Quality (DEQ) under Tasks 3 and 4, respectively, of Task Order 065-23-23.

Site Background

The former Sumner Store is located at 95646 Coos-Sumner Lane in the unincorporated community of Sumner about 10 miles southeast of Coos Bay, Oregon (Figures 1). The Site covers approximately 0.51 acres and is situated in the SE1/4 of the SW1/4 of Section 29, Township 26 South, Range 12 West, Willamette Meridian. Two structures are located on the Site: the former Sumner Store building by the road and an adjacent shed northwest of the store. The store straddles over Wilson Creek, which flows westward another 200 feet to its confluence with northward-flowing Catching Creek. Adjacent properties are residential, agricultural, and undeveloped land.

The former Sumner Store structure is currently vacant. The dates of operation are unknown but, according to the Coos County assessor office, the structure was built in 1947. Four underground storage tanks (USTs) and two fueling pumps were located in a graveled area between the road and the store (Figure 2). During removal of the USTs in 1994, petroleum odors were noted at three of the USTs, and approximately 10 cubic yards of surface soil with residual gasoline spillage was reportedly removed. A release was reported to DEQ, who assigned the Site as Leaking Underground Storage Tank (LUST) #06-94-0030. Six soil samples were obtained and analyzed with three samples containing from 10 to 14 milligrams per kilogram diesel-range hydrocarbons.

The Site was investigated further in 2024 by sampling soil and groundwater from six push probe explorations (P1 through P6 on Figure 2) (GSI, 2024). Samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline, diesel, and oil; volatile organic compounds (VOCs); polycyclic aromatic hydrocarbons (PAHs); and lead. A conceptual site model was developed to identify potentially complete exposure pathways, and analytical results were screened against risk-based concentrations (RBCs) for identified exposure pathways to human and ecological receptors. RBC exceedances suggested potential risks via groundwater migration into Wilson Creek, and further assessment of groundwater migration into the creek was recommended (GSI, 2024).

Field Sampling Methods and Observations

In May 2026, GSI performed investigation activities to assess if contaminants attributable to the Site are present in porewater and Wilson Creek, and, if so, at concentrations above RBCs for aquatic receptors. As discussed below, GSI's activities included sampling porewater and surface water. Our work was completed in accordance with the SSA SAP (GSI, 2006) and DEQ's Brownfield Program Quality Assurance Project Plan (QAPP) (DEQ, 2016). Attachment A contains representative photographs of the field activities.

Field Implementation

GSI conducted porewater and surface water sampling along and within Wilson Creek on May 18, 2026. The following predetermined sampling locations were targeted:

- One porewater sampling location (PW-1).
- Three surface water locations (SW-1 through SW-3), including an upstream location, a location near the porewater sample, and a downstream location.

A global positioning system (GPS) unit (Arrow Gold Global Navigation Satellite System) was used to guide field staff to the predetermined locations. Due to channel dynamics (i.e., channel width influencing water depth needed for surface water sample) and bank slope, some of the proposed sampling locations were adjusted in the field. Final porewater and surface water sample locations were documented during the sampling event using the GPS unit and photograph. Figure 2 shows final sample locations.

Porewater Sampling

Porewater sampling targeted groundwater near the surface water/groundwater interface and a location on the northeast bank of Wilson Creek, which would be downgradient of the former USTs. At the porewater sample location, a decontaminated PushPoint™ sampler (also known as a Henry Sampler) was advanced into the sediment to a depth of 1.6 feet below mudline. The sample point was developed using a 50-milliliter (mL) disposable syringe connected to disposable tubing to remove fine suspended solids from the water column. After static porewater level was verified above the Wilson Creek surface water level, approximately 130 mL per minute of porewater was purged from the PushPoint sampler for 11 minutes using a peristaltic pump connected to dedicated polyethylene tubing. During purging, field parameters were measured. Table 1 lists the final field parameters before sampling. Attachment A includes a photograph of the porewater sample location.

Two lines of evidence were evaluated to confirm that the porewater being pumped was actually porewater and not surface water. These lines of evidence were as follows.

- Static water level measured at the porewater location was 0.21 millimeters higher than the creek surface, indicating a groundwater discharge zone.
- Porewater conductivity was almost three times greater than the surface water conductivity (Table 1). The large differences between porewater and surface water conductivity measurements indicate that surface water was not being sampled through the PushPoint™ samplers. Differences were also observed in oxidation-reduction potential and dissolved oxygen.

Based on this evidence, the porewater location was deemed viable by field staff and a porewater sample and a field duplicate were collected.

Surface Water Sampling

Three surface water samples were collected from Wilson Creek: an upstream background location (SW-1); a location downgradient of and near the porewater sample location (SW-2); and a downstream location (SW-3). Surface water samples were collected approximately 2 inches above mudline and between 1 and 1.5 feet from the northeast bank of Wilson Creek. Surface water samples were collected using a peristaltic pump

connected to dedicated polyethylene tubing attached to a surface water sampling device (see Photograph 4 in Attachment A). Table 1 lists the field parameter measurements at each surface water location. Photographs of the surface water sample locations are included in Attachment A.

Analytical Results

Porewater and surface water samples were submitted under chain-of-custody documentation to Pace Analytical National (Pace) in Mount Juliet, Tennessee, for analysis under Price Agreement #8903 with the State of Oregon and in accordance with the SAP (GSI, 2026) and DEQ's QAPP (DEQ, 2016). Each sample was analyzed for:

- TPH as gasoline by Northwest Method NWTPH-Gx
- TPH as diesel/oil by Northwest Method NWTPH-Dx with a silica gel cleanup to remove biogenic material
- VOCs by U.S. Environmental Protection Agency (EPA) Method 8260D
- PAHs by EPA Method 8270E-SIM
- Dissolved lead by EPA Method 6020B (field filtered)

Quality control samples that were submitted included a field duplicate of the porewater sample (all analyses) and a trip blank (only VOC analysis). Analytical results are summarized in Table 1 and Figure 3. Attachment B presents the laboratory analytical report, and Attachment C includes the data validation report. Data quality was determined to be suitable for its intended use.

Screening Criteria

Per the conceptual site model and the risk screening of groundwater data in the site investigation report from 2024 (GSI, 2024), groundwater migration to surface water is a potentially complete exposure pathway that could result in result in an unacceptable exposure to aquatic receptors. Porewater in the creek bed represents groundwater emerging as surface water. Aquatic organisms living in sediments would be exposed to porewater, while species living in the water column (e.g., fish) would be exposed surface water potentially affected by porewater emergence. For risk screening purposes of both porewater and surface water, GSI compared the analytical results of this SSA to DEQ's chronic freshwater RBCs for aquatic receptors in Table 1 (DEQ, 2021). These RBCs were derived for protection of aquatic life and aquatic-dependent wildlife exposed to contaminants through the consumption of an aquatic diet (DEQ, 2021).

Analytical Results and Risk Screening Evaluation

Analytical results detected three PAHs above laboratory method detection limits (MDLs) in both the primary and duplicate porewater samples: acenaphthene, fluorene, and naphthalene (Table 1). None of these detections exceeded their DEQ RBCs for aquatic receptors. To assess if these detections could pose a cumulative risk, the hazard index (HI) was calculated by summing the hazard quotients of the detected PAHs (i.e., sum of each PAH detection divided by its RBC). The HI was 0.14, which is below an HI of 1.0 that DEQ considers an unacceptable risk. No contaminants were detected above the MDLs in surface water samples.

Comparison of MDLs for non-detect contaminants against aquatic receptor RBCs identified three PAHs that had MDLs over their respective RBCs: anthracene, benzo(g,h,i)perylene, and dibenz(a,h)anthracene (Table 1). GSI inquired of Pace whether lower MDLs could be achieved, and Pace indicated that these MDLs were the lowest that could be reported for PAHs (Pace, 2026).

Further evaluation of these PAHs is as follows:

- **Anthracene.** Anthracene was not detected in groundwater during the site investigation in 2024 at an MDL (0.018 micrograms per liter [µg/L]) below its aquatic receptor RBC (0.02 µg/L). The MDL for this study is also barely above its RBC (0.021 µg/L versus 0.02 µg/L).
- **Benzo(g,h,i)perylene.** During the previous investigation in 2024, benzo(g,h,i)perylene was detected one time at an estimated concentration of 0.0204 µg/L in groundwater from Probe P5, slightly above its RBC of 0.012 µg/L; other groundwater samples were non-detect at an MDL of 0.0184 µg/L. With a high measured log organic carbon partition coefficient (Log K_{oc}) of 4.61 and 6.80, benzo(g,h,i)perylene absorbs to soil and is expected to be immobile (NIH, n.d.[a]). Therefore, it is unlikely to migrate with groundwater and is very unlikely to be present in porewater at Wilson Creek.
- **Dibenz(a,h)anthracene.** Dibenz(a,h)anthracene was not detected in groundwater during the investigation in 2024 at an MDL slightly above its RBC (0.016 µg/L versus 0.012 µg/L). This PAH is also immobile in the environment, with a Log K_{oc} ranging from 5.76 to 7.68 (NIH, n.d.[b]); thus, it would not be expected (if present upland) to be present in porewater at Wilson Creek.

Based on the absence of the detections of these three PAHs in this study (and for the majority of groundwater samples collected in the 2024 investigation) and the above evaluation, these PAHs are unlikely to be present in porewater, and subsequently in surface water, at concentrations below MDLs and above RBCs.

Conclusions and Recommendation

Porewater and surface water data indicate that Wilson Creek surface water is not impacted by contaminants above DEQ's aquatic receptor RBCs. Detected contaminants in porewater were limited to three PAHs that had concentrations below their respective DEQ RBCs. Additionally, the HI for these detections is 0.14, below DEQ's acceptable risk of an HI less than 1.0. No contaminants were detected in surface water samples above MDLs. Therefore, the exposure to aquatic receptors from groundwater migration to surface water does not pose an unacceptable risk. GSI recommends that no further evaluation of this pathway at the Site is necessary.

Attachments

Table 1 – Field Parameters and Chemical Analyses Results

Figure 1 – Site Vicinity Map

Figure 2 – Sample Locations

Figure 3 – Porewater and Surface Water Results

Attachment A – Photograph Log

Attachment B – Laboratory Analytical Report

Attachment C – Data Validation Report

References

DEQ. 2016. Quality Assurance Project Plan, Brownfield Program, Version 3. November 2016.

DEQ. 2021. Table 2: Risk Based Concentrations for Water. April 23, 2021.

GSI. 2024. Former Sumner Store Project Report, 95646 Coos-Sumner Lane, Coos Bay, Oregon, LUST #06-94-0030. June 4, 2024.

GSI. 2026. Supplemental Site Assessment: Water Sampling and Analysis Plan, Former Sumner Store, 95646 Coos-Sumner Lane, Coos Bay, Oregon, LUST #06-94-0030. April 27, 2026.

NIH. n.d.[a]. PubChem chemistry database, Benzo(g,h,i)perylene. National Institutes of Health. Accessed in June 2026 at: https://pubchem.ncbi.nlm.nih.gov/compound/Benzo_ghi_perylene.

NIH. n.d.[b]. PubChem chemistry database, Dibenz(a,h)anthracene. National Institutes of Health. Accessed in June 2026 at: https://pubchem.ncbi.nlm.nih.gov/compound/DIBENZ_a_h_ANTHRACENE.

Pace. 2026. Email communication from Brian Ford, Supervisor – Project Management at Pace to Renee Fowler of GSI regarding PAH MDLs for Pace Analytical National Level II Report & EDD for 2060.023.003 Former Sumner Store L1976370. June 11, 2026.

Table

Table 1. Field Parameters and Chemical Analyses Results
Former Sumner Store, Coos Bay, Oregon

Chemical Compound	Sample: / Date:	Porewater Samples PW-1 5/18/26	Porewater Samples PW-1-DUP 5/18/26	Surface Water Samples SW-1 5/18/26	Surface Water Samples SW-2 5/18/26	Surface Water Samples SW-3 5/18/26	Trip Blank 5/18/26	Ecological Aquatic Receptors
Field Parameters								
Temperature (°C)		13.4	–	14.2	13.2	13.8	–	–
pH (SU)		6.71	–	7.58	7.64	7.50	–	–
Conductivity (µS/cm)		321.2	–	108.8	107.9	107.5	–	–
Oxidation-Reduction Potential (mV)		-77.1	–	85.0	71.9	107.6	–	–
Dissolved Oxygen (mg/L)		0.28	–	9.17	8.74	9.36	–	–
TPH		Concentrations in µg/L						
Gasoline-Range		78.6 U	78.6 U	78.6 U	78.6 U	78.6 U	–	440
Diesel-Range		95.1 U	95.1 U	95.1 U	95.1 U	95.1 U	–	–
Oil-Range		96.1 U	96.1 U	96.1 U	96.1 U	96.1 U	–	–
Diesel + Oil-Range		96.1 U	96.1 U	96.1 U	96.1 U	96.1 U	–	640
VOCs								
BTEX								
Benzene		0.320 U	0.320 U	0.320 U	0.320 U	0.320 U	0.320 U	160
Toluene		0.274 U	0.274 U	0.274 U	0.274 U	0.274 U	0.274 U	62
Ethylbenzene		0.234 U	0.234 U	0.234 U	0.234 U	0.234 U	0.234 U	61
Total Xylenes		0.319 U	0.319 U	0.319 U	0.319 U	0.319 U	0.319 U	27
RBDM VOCs								
1,2-Dibromoethane (EDB)		0.341 U	0.341 U	0.341 U	0.341 U	0.341 U	0.341 U	–
1,2-Dichloroethane (EDC)		0.395 U	0.395 U	0.395 U	0.395 U	0.395 U	0.395 U	2,000
Isopropylbenzene		0.105 U	0.105 U	0.105 U	0.105 U	0.105 U	0.105 U	4.8
Methyl tert-butyl ether		0.357 U	0.357 U	0.357 U	0.357 U	0.357 U	0.357 U	730
Naphthalene		2.64 U	2.64 U	2.64 U	2.64 U	2.64 U	2.64 U	21
n -Propylbenzene		0.239 U	0.239 U	0.239 U	0.239 U	0.239 U	0.239 U	–
1,2,4-Trimethylbenzene		0.274 U	0.274 U	0.274 U	0.274 U	0.274 U	0.274 U	15
1,3,5-Trimethylbenzene		0.266 U	0.266 U	0.266 U	0.266 U	0.266 U	0.266 U	26
PAHs								
Acenaphthene		**1.47**	**1.49**	0.0202 U	0.0202 U	0.0202 U	–	15
Acenaphthylene		0.0221 U	0.0221 U	0.0221 U	0.0221 U	0.0221 U	–	13
Anthracene		0.0210 U	0.0210 U	0.0210 U	0.0210 U	0.0210 U	–	0.02
2-Chloronaphthalene		0.111 U	0.111 U	0.111 U	0.111 U	0.111 U	–	–
Fluoranthene		0.0375 U	0.0375 U	0.0375 U	0.0375 U	0.0375 U	–	0.8
Fluorene		**0.0672**	**0.0645**	0.0212 U	0.0212 U	0.0212 U	–	19
1-Methylnaphthalene		0.138 U	0.138 U	0.138 U	0.138 U	0.138 U	–	6.1
2-Methylnaphthalene		0.168 U	0.168 U	0.168 U	0.168 U	0.168 U	–	4.7
Phenanthrene		0.0279 U	0.0279 U	0.0279 U	0.0279 U	0.0279 U	–	2.3
Pyrene		0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	–	4.6
Benz(a)anthracene		0.0416 U	0.0416 U	0.0416 U	0.0416 U	0.0416 U	–	4.7
Benzo(a)pyrene		0.0272 U	0.0272 U	0.0272 U	0.0272 U	0.0272 U	–	0.06
Benzo(b)fluoranthene		0.0253 U	0.0253 U	0.0253 U	0.0253 U	0.0253 U	–	2.6
Benzo(g,h,i)perylene		0.0335 U	0.0335 U	0.0335 U	0.0335 U	0.0335 U	–	0.012
Benzo(k)fluoranthene		0.0254 U	0.0254 U	0.0254 U	0.0254 U	0.0254 U	–	0.06
Chrysene		0.0386 U	0.0386 U	0.0386 U	0.0386 U	0.0386 U	–	4.7
Dibenz(a,h)anthracene		0.0251 U	0.0251 U	0.0251 U	0.0251 U	0.0251 U	–	0.120
Indeno(1,2,3-cd)pyrene		0.0270 U	0.0270 U	0.0270 U	0.0270 U	0.0270 U	–	0.012
Naphthalene		**0.795**	**0.669**	0.236 U	0.236 U	0.236 U	–	21
Lead								
Dissolved Lead		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	–	0.54

Please refer to notes on the last page of this table.

Table 1. Field Parameters and Chemical Analyses Results
Former Sumner Store, Coos Bay, Oregon

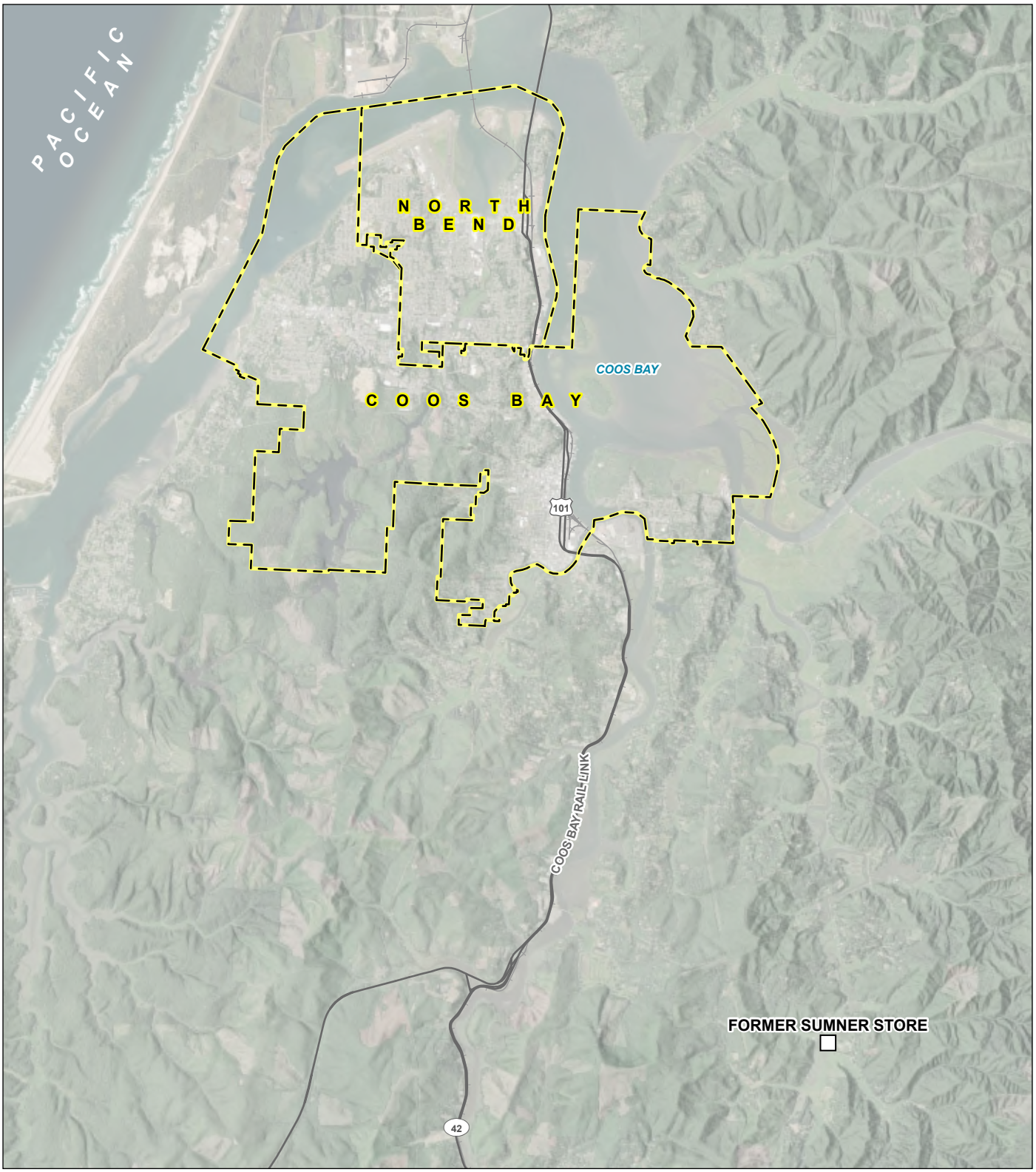
Notes

TPH by Northwest Method NWTPH-Gx for gasoline and NWTPH-Dx for diesel and oil.
VOCs by EPA Method 8260D. Those listed are VOCs for petroleum-contaminated sites (DEQ 2017). The full analyte list of VOCs by EPA Method 8260D are provided in the analytical report in Attachment B.
PAHs by EPA Method 8270E-SIM.
Lead by EPA Method 6020B.
Results reported at the method detection limit.
Bold denotes a detected concentration.
Aquatic RBCs from DEQ (2021; Table 2).

Acronyms and Abbreviations

— = not analyzed/not applicable
°C = degrees Celsius
µg/L = micrograms per liter
µS/cm = micro-Siemens per centimeter
DEQ = Oregon Department of Environmental Quality
EPA = U.S. Environmental Protection Agency
mg/L = milligrams per liter
mV = millivolts
PAH = polycyclic aromatic hydrocarbon
RBDM = Risk-Based Decision Making
SU = standard unit
TPH = total petroleum hydrocarbons
U = not detected
VOC = volatile organic compound

Figures



LEGEND

- Site Location

All Other Features

- City Boundary
- Major Road
- Railroad

Date: April 22, 2026
Data Sources: BLM, ESRI, ODOT, USGS, Imagery (2025)

N

0 4,000 8,000
FEET

GSI Water Solutions, Inc.

FIGURE 1

Site Vicinity Map

Former Sumner Store

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LEGEND

- Push Probe Location
- Soil Sample (1994)
- Porewater Location
- Surface Water Location
- Assumed Groundwater Flow Direction
- Former LUST
- Excavation Area (1994)
- Locality of the Facility
- Property Boundary
- Tax Lot
- Watercourse

NOTE
All features are approximate.

FIGURE 2

Sample Locations

Former Sumner Store

Date: June 24, 2026
Data Sources: BLM, ESRI, ODOT, USGS, Imagery (2022)

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GSI Water Solutions, Inc.

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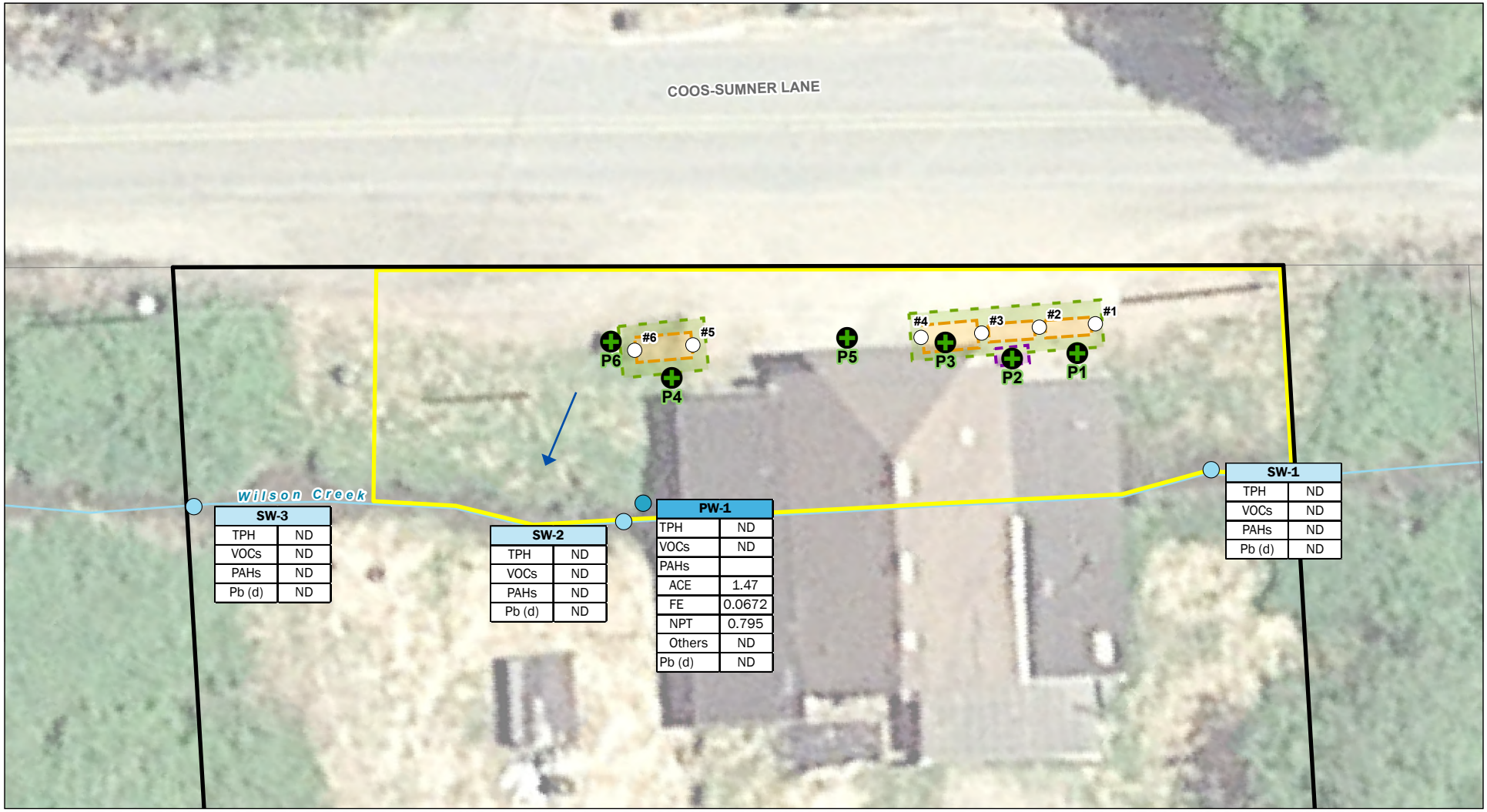

LEGEND

- Push Probe Location
- Soil Sample (1994)
- Porewater Location
- Surface Water Location
- Assumed Groundwater Flow Direction
- Former LUST
- Excavation Area (1994)
- Locality of the Facility
- Property Boundary
- Tax Lot
- Watercourse

NOTES

1. All features are approximate.
2. All results are in micrograms per liter (µg/L).

ACE: acenaphthene
FE: fluorene
ND: not detected above method detection limit
NPT: naphthalene
PAHs: polycyclic aromatic hydrocarbons
Pb (d): dissolved lead
PW: porewater
SW: surface water
TPH: total petroleum hydrocarbons
VOC: volatile organic compounds

FIGURE 3

Porewater and Surface Water Results

Former Sumner Store

Date: June 24, 2026
Data Sources: BLM, ESRI, ODOT, USGS, Imagery (2022)

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0 10 20
FEET

GSI Water Solutions, Inc.

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Attachment A

Photograph Log

1.

2.

1:
Former Sumner Store building. Photograph taken looking south on May 18, 2026.

2:
Wilson Creek flowing beneath the former Sumner Store building. Photograph taken looking upstream.

FIGURE A-1
Photograph Log
Supplemental Site Assessment Report

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3.

4.

3:
Porewater sample location (PW-1). Yellow arrow points to where the PushPoint sampler was embedded in the creek.

4:
Surface water sampling device, consisted of a weighted plate (A) with a narrow pole (B) extending from its base. Dedicated sample tubing is fed through holding tubes secured to the pole (C). The bottommost holding tube can be adjusted to hold the end of the sample tubing at a set distance above the creek bottom.

FIGURE A-2
Photograph Log
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5.

6.

5:
Upstream background surface water location (SW-1). Top of surface water sampling device is indicated by yellow arrow. Photograph taken looking downstream.

6:
Surface water location (SW-2) near porewater sample location (PW-1).

FIGURE A-3
Photograph Log
Supplemental Site Assessment Report

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7.

7:
Downstream surface water location (SW-3). Top of surface water sampling device is indicated by yellow arrow. Photograph taken looking upstream (roof of store building in background).

FIGURE A-4
Photograph Log
Supplemental Site Assessment Report

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Attachment B

Laboratory Analytical Report

ANALYTICAL REPORT

June 01, 2026

Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group:	L1976370
Samples Received:	05/20/2026
Project Number:	2060.023.003
Description:	Former Sumner Store
Site:	SUMNER SSA
Report To:	Sarah Kingery

Entire Report Reviewed By:

Brian Ford

Project Manager

Pace Analytical National

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

TABLE OF CONTENTS

SAMPLE SUMMARY

PW-1_260518 L1976370-01

Collected by: R Fowler | Collected date/time: 05/18/26 12:05 | Received date/time: 05/20/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2758635	1	05/27/26 10:18	05/28/26 00:43	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2759316	1	05/22/26 03:09	05/22/26 03:09	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2761978	1	05/27/26 12:43	05/27/26 12:43	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2761128	1	05/27/26 15:18	05/28/26 14:07	SLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2758551	1	05/24/26 08:34	05/25/26 02:39	KGB	Mt. Juliet, TN

SW-1_260518 L1976370-02

Collected by: R Fowler | Collected date/time: 05/18/26 15:25 | Received date/time: 05/20/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2758635	1	05/27/26 10:18	05/28/26 00:55	JDM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2762485	1	05/28/26 16:57	05/28/26 16:57	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2761978	1	05/27/26 13:02	05/27/26 13:02	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2761128	1	05/27/26 15:18	05/28/26 14:28	SLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2758551	1	05/24/26 08:34	05/25/26 02:59	KGB	Mt. Juliet, TN

SW-2_260518 L1976370-03

Collected by: R Fowler | Collected date/time: 05/18/26 13:35 | Received date/time: 05/20/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2758635	1	05/27/26 10:18	05/28/26 16:54	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2762485	1	05/28/26 17:17	05/28/26 17:17	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2761978	1	05/27/26 13:21	05/27/26 13:21	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2761128	1	05/27/26 15:18	05/28/26 14:48	SLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2758551	1	05/24/26 08:34	05/25/26 03:18	KGB	Mt. Juliet, TN

SW-3_260518 L1976370-04

Collected by: R Fowler | Collected date/time: 05/18/26 14:35 | Received date/time: 05/20/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2758635	1	05/27/26 10:18	05/28/26 16:57	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2762485	1	05/28/26 17:37	05/28/26 17:37	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2761978	1	05/27/26 13:40	05/27/26 13:40	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2761128	1	05/27/26 15:18	05/28/26 15:08	SLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2758551	1	05/24/26 08:34	05/25/26 03:38	KGB	Mt. Juliet, TN

DUP-1_260518 L1976370-05

Collected by: R Fowler | Collected date/time: 05/18/26 10:00 | Received date/time: 05/20/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2758635	1	05/27/26 10:18	05/28/26 17:00	TMT	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2762485	1	05/28/26 17:58	05/28/26 17:58	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2761978	1	05/27/26 14:00	05/27/26 14:00	JBE	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2761128	1	05/27/26 15:18	05/28/26 15:29	SLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2758551	1	05/24/26 08:34	05/25/26 03:58	KGB	Mt. Juliet, TN

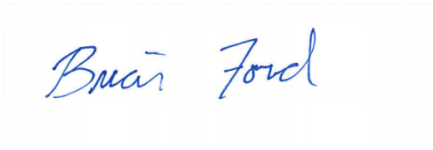
TRIP BLANK L1976370-06

Collected by: R Fowler
Collected date/time: 05/18/26 00:00
Received date/time: 05/20/26 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2761978	1	05/27/26 11:07	05/27/26 11:07	JBE	Mt. Juliet, TN

CASE NARRATIVE

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



Brian Ford
Project Manager

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.500	2.00	1	05/28/2026 00:43	WG2758635

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		78.6	100	1	05/22/2026 03:09	WG2759316
(S) a,a,a-Trifluorotoluene(FID)	*107*			*78.0-120*		*05/22/2026 03:09*	WG2759316

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	46.9	50.0	1	05/27/2026 12:43	WG2761978
Acrolein	U	C3	25.0	50.0	1	05/27/2026 12:43	WG2761978
Acrylonitrile	U	C3	8.09	10.0	1	05/27/2026 12:43	WG2761978
Benzene	U		0.320	1.00	1	05/27/2026 12:43	WG2761978
Bromobenzene	U		0.277	1.00	1	05/27/2026 12:43	WG2761978
Bromodichloromethane	U		0.371	1.00	1	05/27/2026 12:43	WG2761978
Bromoform	U		0.548	1.00	1	05/27/2026 12:43	WG2761978
Bromomethane	U		4.85	5.00	1	05/27/2026 12:43	WG2761978
n-Butylbenzene	U		0.516	1.00	1	05/27/2026 12:43	WG2761978
sec-Butylbenzene	U		0.355	1.00	1	05/27/2026 12:43	WG2761978
tert-Butylbenzene	U		0.314	1.00	1	05/27/2026 12:43	WG2761978
Carbon disulfide	U		0.510	1.00	1	05/27/2026 12:43	WG2761978
Carbon tetrachloride	U		0.360	1.00	1	05/27/2026 12:43	WG2761978
Chlorobenzene	U		0.266	1.00	1	05/27/2026 12:43	WG2761978
Chlorodibromomethane	U		0.398	1.00	1	05/27/2026 12:43	WG2761978
Chloroethane	U		2.79	5.00	1	05/27/2026 12:43	WG2761978
Chloroform	U		1.28	5.00	1	05/27/2026 12:43	WG2761978
Chloromethane	U		1.70	5.00	1	05/27/2026 12:43	WG2761978
2-Chlorotoluene	U		0.273	1.00	1	05/27/2026 12:43	WG2761978
4-Chlorotoluene	U		0.256	1.00	1	05/27/2026 12:43	WG2761978
1,2-Dibromo-3-Chloropropane	U		1.25	5.00	1	05/27/2026 12:43	WG2761978
1,2-Dibromoethane	U		0.341	1.00	1	05/27/2026 12:43	WG2761978
Dibromomethane	U		0.422	1.00	1	05/27/2026 12:43	WG2761978
1,2-Dichlorobenzene	U		0.304	1.00	1	05/27/2026 12:43	WG2761978
1,3-Dichlorobenzene	U		0.282	1.00	1	05/27/2026 12:43	WG2761978
1,4-Dichlorobenzene	U		0.277	1.00	1	05/27/2026 12:43	WG2761978
Dichlorodifluoromethane	U	J4	2.41	5.00	1	05/27/2026 12:43	WG2761978
1,1-Dichloroethane	U		0.389	1.00	1	05/27/2026 12:43	WG2761978
1,2-Dichloroethane	U		0.395	1.00	1	05/27/2026 12:43	WG2761978
1,1-Dichloroethene	U		0.422	1.00	1	05/27/2026 12:43	WG2761978
cis-1,2-Dichloroethene	U		0.323	1.00	1	05/27/2026 12:43	WG2761978
trans-1,2-Dichloroethene	U		0.348	1.00	1	05/27/2026 12:43	WG2761978
1,2-Dichloropropane	U		0.427	1.00	1	05/27/2026 12:43	WG2761978
1,1-Dichloropropene	U		0.359	1.00	1	05/27/2026 12:43	WG2761978
1,3-Dichloropropane	U		0.283	1.00	1	05/27/2026 12:43	WG2761978
cis-1,3-Dichloropropene	U		0.348	1.00	1	05/27/2026 12:43	WG2761978
trans-1,3-Dichloropropene	U		0.313	1.00	1	05/27/2026 12:43	WG2761978
2,2-Dichloropropane	U		0.463	1.00	1	05/27/2026 12:43	WG2761978
Di-isopropyl ether	U		0.105	1.00	1	05/27/2026 12:43	WG2761978
Ethylbenzene	U		0.234	1.00	1	05/27/2026 12:43	WG2761978
Hexachloro-1,3-butadiene	U		0.650	2.00	1	05/27/2026 12:43	WG2761978
Isopropylbenzene	U		0.105	1.00	1	05/27/2026 12:43	WG2761978
p-Isopropyltoluene	U		0.345	1.00	1	05/27/2026 12:43	WG2761978

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Butanone (MEK)	U	C3	9.00	20.0	1	05/27/2026 12:43	WG2761978
Methylene Chloride	U		1.48	5.00	1	05/27/2026 12:43	WG2761978
4-Methyl-2-pentanone (MIBK)	U		7.52	20.0	1	05/27/2026 12:43	WG2761978
Methyl tert-butyl ether	U		0.357	1.00	1	05/27/2026 12:43	WG2761978
Naphthalene	U		2.64	5.00	1	05/27/2026 12:43	WG2761978
n-Propylbenzene	U		0.239	1.00	1	05/27/2026 12:43	WG2761978
Styrene	U		0.342	1.00	1	05/27/2026 12:43	WG2761978
1,1,1,2-Tetrachloroethane	U		0.381	1.00	1	05/27/2026 12:43	WG2761978
1,1,2,2-Tetrachloroethane	U		0.354	1.00	1	05/27/2026 12:43	WG2761978
1,1,2-Trichlorotrifluoroethane	U	C3	0.643	1.00	1	05/27/2026 12:43	WG2761978
Tetrachloroethene	U		0.358	1.00	1	05/27/2026 12:43	WG2761978
Toluene	U		0.274	1.00	1	05/27/2026 12:43	WG2761978
1,2,3-Trichlorobenzene	U		0.935	1.00	1	05/27/2026 12:43	WG2761978
1,2,4-Trichlorobenzene	U		0.691	2.00	1	05/27/2026 12:43	WG2761978
1,1,1-Trichloroethane	U		0.336	1.00	1	05/27/2026 12:43	WG2761978
1,1,2-Trichloroethane	U		0.375	1.00	1	05/27/2026 12:43	WG2761978
Trichloroethene	U		0.383	1.00	1	05/27/2026 12:43	WG2761978
Trichlorofluoromethane	U		3.04	5.00	1	05/27/2026 12:43	WG2761978
1,2,3-Trichloropropane	U		0.602	2.50	1	05/27/2026 12:43	WG2761978
1,2,4-Trimethylbenzene	U		0.274	2.00	1	05/27/2026 12:43	WG2761978
1,2,3-Trimethylbenzene	U		0.339	1.00	1	05/27/2026 12:43	WG2761978
1,3,5-Trimethylbenzene	U		0.266	1.00	1	05/27/2026 12:43	WG2761978
Vinyl chloride	U		0.458	1.00	1	05/27/2026 12:43	WG2761978
Xylenes, Total	U		0.319	3.00	1	05/27/2026 12:43	WG2761978
(S) Toluene-d8	*96.0*			*80.0-120*		*05/27/2026 12:43*	WG2761978
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*05/27/2026 12:43*	WG2761978
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*05/27/2026 12:43*	WG2761978

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	U		95.1	100	1	05/28/2026 14:07	WG2761128
Residual Range Organics (RRO)	U		96.1	250	1	05/28/2026 14:07	WG2761128
(S) o-Terphenyl	*60.0*			*31.0-160*		*05/28/2026 14:07*	WG2761128

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0210	0.0500	1	05/25/2026 02:39	WG2758551
Acenaphthene	1.47		0.0202	0.0500	1	05/25/2026 02:39	WG2758551
Acenaphthylene	U		0.0221	0.0500	1	05/25/2026 02:39	WG2758551
Benzo(a)anthracene	U		0.0416	0.0500	1	05/25/2026 02:39	WG2758551
Benzo(a)pyrene	U		0.0272	0.0500	1	05/25/2026 02:39	WG2758551
Benzo(b)fluoranthene	U		0.0253	0.0500	1	05/25/2026 02:39	WG2758551
Benzo(g,h,i)perylene	U		0.0335	0.0500	1	05/25/2026 02:39	WG2758551
Benzo(k)fluoranthene	U		0.0254	0.0500	1	05/25/2026 02:39	WG2758551
Chrysene	U		0.0386	0.0500	1	05/25/2026 02:39	WG2758551
Dibenz(a,h)anthracene	U		0.0251	0.0500	1	05/25/2026 02:39	WG2758551
Fluoranthene	U		0.0375	0.0500	1	05/25/2026 02:39	WG2758551
Fluorene	0.0672		0.0212	0.0500	1	05/25/2026 02:39	WG2758551
Indeno(1,2,3-cd)pyrene	U		0.0270	0.0500	1	05/25/2026 02:39	WG2758551
Naphthalene	0.795		0.236	0.250	1	05/25/2026 02:39	WG2758551
Phenanthrene	U	J4	0.0279	0.0500	1	05/25/2026 02:39	WG2758551
Pyrene	U	J4	0.0416	0.0500	1	05/25/2026 02:39	WG2758551
1-Methylnaphthalene	U		0.138	0.250	1	05/25/2026 02:39	WG2758551

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.168	0.250	1	05/25/2026 02:39	WG2758551
2-Chloronaphthalene	U		0.111	0.250	1	05/25/2026 02:39	WG2758551
(S) 2-Fluorobiphenyl	*120*			*48.0-148*		*05/25/2026 02:39*	WG2758551
(S) p-Terphenyl-d14	*129*			*37.0-146*		*05/25/2026 02:39*	WG2758551
(S) 2-Methylnaphthalene-d10	*116*			*50.0-150*		*05/25/2026 02:39*	WG2758551

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.500	2.00	1	05/28/2026 00:55	WG2758635

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		78.6	100	1	05/28/2026 16:57	WG2762485
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*		*05/28/2026 16:57*	WG2762485

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	46.9	50.0	1	05/27/2026 13:02	WG2761978
Acrolein	U	C3	25.0	50.0	1	05/27/2026 13:02	WG2761978
Acrylonitrile	U	C3	8.09	10.0	1	05/27/2026 13:02	WG2761978
Benzene	U		0.320	1.00	1	05/27/2026 13:02	WG2761978
Bromobenzene	U		0.277	1.00	1	05/27/2026 13:02	WG2761978
Bromodichloromethane	U		0.371	1.00	1	05/27/2026 13:02	WG2761978
Bromoform	U		0.548	1.00	1	05/27/2026 13:02	WG2761978
Bromomethane	U		4.85	5.00	1	05/27/2026 13:02	WG2761978
n-Butylbenzene	U		0.516	1.00	1	05/27/2026 13:02	WG2761978
sec-Butylbenzene	U		0.355	1.00	1	05/27/2026 13:02	WG2761978
tert-Butylbenzene	U		0.314	1.00	1	05/27/2026 13:02	WG2761978
Carbon disulfide	U		0.510	1.00	1	05/27/2026 13:02	WG2761978
Carbon tetrachloride	U		0.360	1.00	1	05/27/2026 13:02	WG2761978
Chlorobenzene	U		0.266	1.00	1	05/27/2026 13:02	WG2761978
Chlorodibromomethane	U		0.398	1.00	1	05/27/2026 13:02	WG2761978
Chloroethane	U		2.79	5.00	1	05/27/2026 13:02	WG2761978
Chloroform	U		1.28	5.00	1	05/27/2026 13:02	WG2761978
Chloromethane	U		1.70	5.00	1	05/27/2026 13:02	WG2761978
2-Chlorotoluene	U		0.273	1.00	1	05/27/2026 13:02	WG2761978
4-Chlorotoluene	U		0.256	1.00	1	05/27/2026 13:02	WG2761978
1,2-Dibromo-3-Chloropropane	U		1.25	5.00	1	05/27/2026 13:02	WG2761978
1,2-Dibromoethane	U		0.341	1.00	1	05/27/2026 13:02	WG2761978
Dibromomethane	U		0.422	1.00	1	05/27/2026 13:02	WG2761978
1,2-Dichlorobenzene	U		0.304	1.00	1	05/27/2026 13:02	WG2761978
1,3-Dichlorobenzene	U		0.282	1.00	1	05/27/2026 13:02	WG2761978
1,4-Dichlorobenzene	U		0.277	1.00	1	05/27/2026 13:02	WG2761978
Dichlorodifluoromethane	U	J4	2.41	5.00	1	05/27/2026 13:02	WG2761978
1,1-Dichloroethane	U		0.389	1.00	1	05/27/2026 13:02	WG2761978
1,2-Dichloroethane	U		0.395	1.00	1	05/27/2026 13:02	WG2761978
1,1-Dichloroethene	U		0.422	1.00	1	05/27/2026 13:02	WG2761978
cis-1,2-Dichloroethene	U		0.323	1.00	1	05/27/2026 13:02	WG2761978
trans-1,2-Dichloroethene	U		0.348	1.00	1	05/27/2026 13:02	WG2761978
1,2-Dichloropropane	U		0.427	1.00	1	05/27/2026 13:02	WG2761978
1,1-Dichloropropene	U		0.359	1.00	1	05/27/2026 13:02	WG2761978
1,3-Dichloropropane	U		0.283	1.00	1	05/27/2026 13:02	WG2761978
cis-1,3-Dichloropropene	U		0.348	1.00	1	05/27/2026 13:02	WG2761978
trans-1,3-Dichloropropene	U		0.313	1.00	1	05/27/2026 13:02	WG2761978
2,2-Dichloropropane	U		0.463	1.00	1	05/27/2026 13:02	WG2761978
Di-isopropyl ether	U		0.105	1.00	1	05/27/2026 13:02	WG2761978
Ethylbenzene	U		0.234	1.00	1	05/27/2026 13:02	WG2761978
Hexachloro-1,3-butadiene	U		0.650	2.00	1	05/27/2026 13:02	WG2761978
Isopropylbenzene	U		0.105	1.00	1	05/27/2026 13:02	WG2761978
p-Isopropyltoluene	U		0.345	1.00	1	05/27/2026 13:02	WG2761978

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Butanone (MEK)	U	C3	9.00	20.0	1	05/27/2026 13:02	WG2761978
Methylene Chloride	U		1.48	5.00	1	05/27/2026 13:02	WG2761978
4-Methyl-2-pentanone (MIBK)	U		7.52	20.0	1	05/27/2026 13:02	WG2761978
Methyl tert-butyl ether	U		0.357	1.00	1	05/27/2026 13:02	WG2761978
Naphthalene	U		2.64	5.00	1	05/27/2026 13:02	WG2761978
n-Propylbenzene	U		0.239	1.00	1	05/27/2026 13:02	WG2761978
Styrene	U		0.342	1.00	1	05/27/2026 13:02	WG2761978
1,1,1,2-Tetrachloroethane	U		0.381	1.00	1	05/27/2026 13:02	WG2761978
1,1,2,2-Tetrachloroethane	U		0.354	1.00	1	05/27/2026 13:02	WG2761978
1,1,2-Trichlorotrifluoroethane	U	C3	0.643	1.00	1	05/27/2026 13:02	WG2761978
Tetrachloroethene	U		0.358	1.00	1	05/27/2026 13:02	WG2761978
Toluene	U		0.274	1.00	1	05/27/2026 13:02	WG2761978
1,2,3-Trichlorobenzene	U		0.935	1.00	1	05/27/2026 13:02	WG2761978
1,2,4-Trichlorobenzene	U		0.691	2.00	1	05/27/2026 13:02	WG2761978
1,1,1-Trichloroethane	U		0.336	1.00	1	05/27/2026 13:02	WG2761978
1,1,2-Trichloroethane	U		0.375	1.00	1	05/27/2026 13:02	WG2761978
Trichloroethene	U		0.383	1.00	1	05/27/2026 13:02	WG2761978
Trichlorofluoromethane	U		3.04	5.00	1	05/27/2026 13:02	WG2761978
1,2,3-Trichloropropane	U		0.602	2.50	1	05/27/2026 13:02	WG2761978
1,2,4-Trimethylbenzene	U		0.274	2.00	1	05/27/2026 13:02	WG2761978
1,2,3-Trimethylbenzene	U		0.339	1.00	1	05/27/2026 13:02	WG2761978
1,3,5-Trimethylbenzene	U		0.266	1.00	1	05/27/2026 13:02	WG2761978
Vinyl chloride	U		0.458	1.00	1	05/27/2026 13:02	WG2761978
Xylenes, Total	U		0.319	3.00	1	05/27/2026 13:02	WG2761978
(S) Toluene-d8	*95.4*			*80.0-120*		*05/27/2026 13:02*	WG2761978
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*05/27/2026 13:02*	WG2761978
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/27/2026 13:02*	WG2761978

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	U		95.1	100	1	05/28/2026 14:28	WG2761128
Residual Range Organics (RRO)	U		96.1	250	1	05/28/2026 14:28	WG2761128
(S) o-Terphenyl	*61.0*			*31.0-160*		*05/28/2026 14:28*	WG2761128

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0210	0.0500	1	05/25/2026 02:59	WG2758551
Acenaphthene	U		0.0202	0.0500	1	05/25/2026 02:59	WG2758551
Acenaphthylene	U		0.0221	0.0500	1	05/25/2026 02:59	WG2758551
Benzo(a)anthracene	U		0.0416	0.0500	1	05/25/2026 02:59	WG2758551
Benzo(a)pyrene	U		0.0272	0.0500	1	05/25/2026 02:59	WG2758551
Benzo(b)fluoranthene	U		0.0253	0.0500	1	05/25/2026 02:59	WG2758551
Benzo(g,h,i)perylene	U		0.0335	0.0500	1	05/25/2026 02:59	WG2758551
Benzo(k)fluoranthene	U		0.0254	0.0500	1	05/25/2026 02:59	WG2758551
Chrysene	U		0.0386	0.0500	1	05/25/2026 02:59	WG2758551
Dibenz(a,h)anthracene	U		0.0251	0.0500	1	05/25/2026 02:59	WG2758551
Fluoranthene	U		0.0375	0.0500	1	05/25/2026 02:59	WG2758551
Fluorene	U		0.0212	0.0500	1	05/25/2026 02:59	WG2758551
Indeno(1,2,3-cd)pyrene	U		0.0270	0.0500	1	05/25/2026 02:59	WG2758551
Naphthalene	U		0.236	0.250	1	05/25/2026 02:59	WG2758551
Phenanthrene	U	J4	0.0279	0.0500	1	05/25/2026 02:59	WG2758551
Pyrene	U	J4	0.0416	0.0500	1	05/25/2026 02:59	WG2758551
1-Methylnaphthalene	U		0.138	0.250	1	05/25/2026 02:59	WG2758551

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.168	0.250	1	05/25/2026 02:59	WG2758551
2-Chloronaphthalene	U		0.111	0.250	1	05/25/2026 02:59	WG2758551
(S) 2-Fluorobiphenyl	*121*			*48.0-148*		*05/25/2026 02:59*	WG2758551
(S) p-Terphenyl-d14	*131*			*37.0-146*		*05/25/2026 02:59*	WG2758551
(S) 2-Methylnaphthalene-d10	*114*			*50.0-150*		*05/25/2026 02:59*	WG2758551

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.500	2.00	1	05/28/2026 16:54	WG2758635

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		78.6	100	1	05/28/2026 17:17	WG2762485
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*78.0-120*		*05/28/2026 17:17*	WG2762485

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	46.9	50.0	1	05/27/2026 13:21	WG2761978
Acrolein	U	C3	25.0	50.0	1	05/27/2026 13:21	WG2761978
Acrylonitrile	U	C3	8.09	10.0	1	05/27/2026 13:21	WG2761978
Benzene	U		0.320	1.00	1	05/27/2026 13:21	WG2761978
Bromobenzene	U		0.277	1.00	1	05/27/2026 13:21	WG2761978
Bromodichloromethane	U		0.371	1.00	1	05/27/2026 13:21	WG2761978
Bromoform	U		0.548	1.00	1	05/27/2026 13:21	WG2761978
Bromomethane	U		4.85	5.00	1	05/27/2026 13:21	WG2761978
n-Butylbenzene	U		0.516	1.00	1	05/27/2026 13:21	WG2761978
sec-Butylbenzene	U		0.355	1.00	1	05/27/2026 13:21	WG2761978
tert-Butylbenzene	U		0.314	1.00	1	05/27/2026 13:21	WG2761978
Carbon disulfide	U		0.510	1.00	1	05/27/2026 13:21	WG2761978
Carbon tetrachloride	U		0.360	1.00	1	05/27/2026 13:21	WG2761978
Chlorobenzene	U		0.266	1.00	1	05/27/2026 13:21	WG2761978
Chlorodibromomethane	U		0.398	1.00	1	05/27/2026 13:21	WG2761978
Chloroethane	U		2.79	5.00	1	05/27/2026 13:21	WG2761978
Chloroform	U		1.28	5.00	1	05/27/2026 13:21	WG2761978
Chloromethane	U		1.70	5.00	1	05/27/2026 13:21	WG2761978
2-Chlorotoluene	U		0.273	1.00	1	05/27/2026 13:21	WG2761978
4-Chlorotoluene	U		0.256	1.00	1	05/27/2026 13:21	WG2761978
1,2-Dibromo-3-Chloropropane	U		1.25	5.00	1	05/27/2026 13:21	WG2761978
1,2-Dibromoethane	U		0.341	1.00	1	05/27/2026 13:21	WG2761978
Dibromomethane	U		0.422	1.00	1	05/27/2026 13:21	WG2761978
1,2-Dichlorobenzene	U		0.304	1.00	1	05/27/2026 13:21	WG2761978
1,3-Dichlorobenzene	U		0.282	1.00	1	05/27/2026 13:21	WG2761978
1,4-Dichlorobenzene	U		0.277	1.00	1	05/27/2026 13:21	WG2761978
Dichlorodifluoromethane	U	J4	2.41	5.00	1	05/27/2026 13:21	WG2761978
1,1-Dichloroethane	U		0.389	1.00	1	05/27/2026 13:21	WG2761978
1,2-Dichloroethane	U		0.395	1.00	1	05/27/2026 13:21	WG2761978
1,1-Dichloroethene	U		0.422	1.00	1	05/27/2026 13:21	WG2761978
cis-1,2-Dichloroethene	U		0.323	1.00	1	05/27/2026 13:21	WG2761978
trans-1,2-Dichloroethene	U		0.348	1.00	1	05/27/2026 13:21	WG2761978
1,2-Dichloropropane	U		0.427	1.00	1	05/27/2026 13:21	WG2761978
1,1-Dichloropropene	U		0.359	1.00	1	05/27/2026 13:21	WG2761978
1,3-Dichloropropane	U		0.283	1.00	1	05/27/2026 13:21	WG2761978
cis-1,3-Dichloropropene	U		0.348	1.00	1	05/27/2026 13:21	WG2761978
trans-1,3-Dichloropropene	U		0.313	1.00	1	05/27/2026 13:21	WG2761978
2,2-Dichloropropane	U		0.463	1.00	1	05/27/2026 13:21	WG2761978
Di-isopropyl ether	U		0.105	1.00	1	05/27/2026 13:21	WG2761978
Ethylbenzene	U		0.234	1.00	1	05/27/2026 13:21	WG2761978
Hexachloro-1,3-butadiene	U		0.650	2.00	1	05/27/2026 13:21	WG2761978
Isopropylbenzene	U		0.105	1.00	1	05/27/2026 13:21	WG2761978
p-Isopropyltoluene	U		0.345	1.00	1	05/27/2026 13:21	WG2761978

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Butanone (MEK)	U	C3	9.00	20.0	1	05/27/2026 13:21	WG2761978
Methylene Chloride	U		1.48	5.00	1	05/27/2026 13:21	WG2761978
4-Methyl-2-pentanone (MIBK)	U		7.52	20.0	1	05/27/2026 13:21	WG2761978
Methyl tert-butyl ether	U		0.357	1.00	1	05/27/2026 13:21	WG2761978
Naphthalene	U		2.64	5.00	1	05/27/2026 13:21	WG2761978
n-Propylbenzene	U		0.239	1.00	1	05/27/2026 13:21	WG2761978
Styrene	U		0.342	1.00	1	05/27/2026 13:21	WG2761978
1,1,1,2-Tetrachloroethane	U		0.381	1.00	1	05/27/2026 13:21	WG2761978
1,1,2,2-Tetrachloroethane	U		0.354	1.00	1	05/27/2026 13:21	WG2761978
1,1,2-Trichlorotrifluoroethane	U	C3	0.643	1.00	1	05/27/2026 13:21	WG2761978
Tetrachloroethene	U		0.358	1.00	1	05/27/2026 13:21	WG2761978
Toluene	U		0.274	1.00	1	05/27/2026 13:21	WG2761978
1,2,3-Trichlorobenzene	U		0.935	1.00	1	05/27/2026 13:21	WG2761978
1,2,4-Trichlorobenzene	U		0.691	2.00	1	05/27/2026 13:21	WG2761978
1,1,1-Trichloroethane	U		0.336	1.00	1	05/27/2026 13:21	WG2761978
1,1,2-Trichloroethane	U		0.375	1.00	1	05/27/2026 13:21	WG2761978
Trichloroethene	U		0.383	1.00	1	05/27/2026 13:21	WG2761978
Trichlorofluoromethane	U		3.04	5.00	1	05/27/2026 13:21	WG2761978
1,2,3-Trichloropropane	U		0.602	2.50	1	05/27/2026 13:21	WG2761978
1,2,4-Trimethylbenzene	U		0.274	2.00	1	05/27/2026 13:21	WG2761978
1,2,3-Trimethylbenzene	U		0.339	1.00	1	05/27/2026 13:21	WG2761978
1,3,5-Trimethylbenzene	U		0.266	1.00	1	05/27/2026 13:21	WG2761978
Vinyl chloride	U		0.458	1.00	1	05/27/2026 13:21	WG2761978
Xylenes, Total	U		0.319	3.00	1	05/27/2026 13:21	WG2761978
(S) Toluene-d8	*95.1*			*80.0-120*		*05/27/2026 13:21*	WG2761978
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*05/27/2026 13:21*	WG2761978
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*05/27/2026 13:21*	WG2761978

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	U		95.1	100	1	05/28/2026 14:48	WG2761128
Residual Range Organics (RRO)	U		96.1	250	1	05/28/2026 14:48	WG2761128
(S) o-Terphenyl	*64.2*			*31.0-160*		*05/28/2026 14:48*	WG2761128

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0210	0.0500	1	05/25/2026 03:18	WG2758551
Acenaphthene	U		0.0202	0.0500	1	05/25/2026 03:18	WG2758551
Acenaphthylene	U		0.0221	0.0500	1	05/25/2026 03:18	WG2758551
Benzo(a)anthracene	U		0.0416	0.0500	1	05/25/2026 03:18	WG2758551
Benzo(a)pyrene	U		0.0272	0.0500	1	05/25/2026 03:18	WG2758551
Benzo(b)fluoranthene	U		0.0253	0.0500	1	05/25/2026 03:18	WG2758551
Benzo(g,h,i)perylene	U		0.0335	0.0500	1	05/25/2026 03:18	WG2758551
Benzo(k)fluoranthene	U		0.0254	0.0500	1	05/25/2026 03:18	WG2758551
Chrysene	U		0.0386	0.0500	1	05/25/2026 03:18	WG2758551
Dibenz(a,h)anthracene	U		0.0251	0.0500	1	05/25/2026 03:18	WG2758551
Fluoranthene	U		0.0375	0.0500	1	05/25/2026 03:18	WG2758551
Fluorene	U		0.0212	0.0500	1	05/25/2026 03:18	WG2758551
Indeno(1,2,3-cd)pyrene	U		0.0270	0.0500	1	05/25/2026 03:18	WG2758551
Naphthalene	U		0.236	0.250	1	05/25/2026 03:18	WG2758551
Phenanthrene	U	J4	0.0279	0.0500	1	05/25/2026 03:18	WG2758551
Pyrene	U	J4	0.0416	0.0500	1	05/25/2026 03:18	WG2758551
1-Methylnaphthalene	U		0.138	0.250	1	05/25/2026 03:18	WG2758551

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.168	0.250	1	05/25/2026 03:18	WG2758551
2-Chloronaphthalene	U		0.111	0.250	1	05/25/2026 03:18	WG2758551
(S) 2-Fluorobiphenyl	*119*			*48.0-148*		*05/25/2026 03:18*	WG2758551
(S) p-Terphenyl-d14	*128*			*37.0-146*		*05/25/2026 03:18*	WG2758551
(S) 2-Methylnaphthalene-d10	*112*			*50.0-150*		*05/25/2026 03:18*	WG2758551

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.500	2.00	1	05/28/2026 16:57	WG2758635

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		78.6	100	1	05/28/2026 17:37	WG2762485
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*78.0-120*		*05/28/2026 17:37*	WG2762485

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	C3	46.9	50.0	1	05/27/2026 13:40	WG2761978
Acrolein	U	C3	25.0	50.0	1	05/27/2026 13:40	WG2761978
Acrylonitrile	U	C3	8.09	10.0	1	05/27/2026 13:40	WG2761978
Benzene	U		0.320	1.00	1	05/27/2026 13:40	WG2761978
Bromobenzene	U		0.277	1.00	1	05/27/2026 13:40	WG2761978
Bromodichloromethane	U		0.371	1.00	1	05/27/2026 13:40	WG2761978
Bromoform	U		0.548	1.00	1	05/27/2026 13:40	WG2761978
Bromomethane	U		4.85	5.00	1	05/27/2026 13:40	WG2761978
n-Butylbenzene	U		0.516	1.00	1	05/27/2026 13:40	WG2761978
sec-Butylbenzene	U		0.355	1.00	1	05/27/2026 13:40	WG2761978
tert-Butylbenzene	U		0.314	1.00	1	05/27/2026 13:40	WG2761978
Carbon disulfide	U		0.510	1.00	1	05/27/2026 13:40	WG2761978
Carbon tetrachloride	U		0.360	1.00	1	05/27/2026 13:40	WG2761978
Chlorobenzene	U		0.266	1.00	1	05/27/2026 13:40	WG2761978
Chlorodibromomethane	U		0.398	1.00	1	05/27/2026 13:40	WG2761978
Chloroethane	U		2.79	5.00	1	05/27/2026 13:40	WG2761978
Chloroform	U		1.28	5.00	1	05/27/2026 13:40	WG2761978
Chloromethane	U		1.70	5.00	1	05/27/2026 13:40	WG2761978
2-Chlorotoluene	U		0.273	1.00	1	05/27/2026 13:40	WG2761978
4-Chlorotoluene	U		0.256	1.00	1	05/27/2026 13:40	WG2761978
1,2-Dibromo-3-Chloropropane	U		1.25	5.00	1	05/27/2026 13:40	WG2761978
1,2-Dibromoethane	U		0.341	1.00	1	05/27/2026 13:40	WG2761978
Dibromomethane	U		0.422	1.00	1	05/27/2026 13:40	WG2761978
1,2-Dichlorobenzene	U		0.304	1.00	1	05/27/2026 13:40	WG2761978
1,3-Dichlorobenzene	U		0.282	1.00	1	05/27/2026 13:40	WG2761978
1,4-Dichlorobenzene	U		0.277	1.00	1	05/27/2026 13:40	WG2761978
Dichlorodifluoromethane	U	J4	2.41	5.00	1	05/27/2026 13:40	WG2761978
1,1-Dichloroethane	U		0.389	1.00	1	05/27/2026 13:40	WG2761978
1,2-Dichloroethane	U		0.395	1.00	1	05/27/2026 13:40	WG2761978
1,1-Dichloroethene	U		0.422	1.00	1	05/27/2026 13:40	WG2761978
cis-1,2-Dichloroethene	U		0.323	1.00	1	05/27/2026 13:40	WG2761978
trans-1,2-Dichloroethene	U		0.348	1.00	1	05/27/2026 13:40	WG2761978
1,2-Dichloropropane	U		0.427	1.00	1	05/27/2026 13:40	WG2761978
1,1-Dichloropropene	U		0.359	1.00	1	05/27/2026 13:40	WG2761978
1,3-Dichloropropane	U		0.283	1.00	1	05/27/2026 13:40	WG2761978
cis-1,3-Dichloropropene	U		0.348	1.00	1	05/27/2026 13:40	WG2761978
trans-1,3-Dichloropropene	U		0.313	1.00	1	05/27/2026 13:40	WG2761978
2,2-Dichloropropane	U		0.463	1.00	1	05/27/2026 13:40	WG2761978
Di-isopropyl ether	U		0.105	1.00	1	05/27/2026 13:40	WG2761978
Ethylbenzene	U		0.234	1.00	1	05/27/2026 13:40	WG2761978
Hexachloro-1,3-butadiene	U		0.650	2.00	1	05/27/2026 13:40	WG2761978
Isopropylbenzene	U		0.105	1.00	1	05/27/2026 13:40	WG2761978
p-Isopropyltoluene	U		0.345	1.00	1	05/27/2026 13:40	WG2761978

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Butanone (MEK)	U	C3	9.00	20.0	1	05/27/2026 13:40	WG2761978
Methylene Chloride	U		1.48	5.00	1	05/27/2026 13:40	WG2761978
4-Methyl-2-pentanone (MIBK)	U		7.52	20.0	1	05/27/2026 13:40	WG2761978
Methyl tert-butyl ether	U		0.357	1.00	1	05/27/2026 13:40	WG2761978
Naphthalene	U		2.64	5.00	1	05/27/2026 13:40	WG2761978
n-Propylbenzene	U		0.239	1.00	1	05/27/2026 13:40	WG2761978
Styrene	U		0.342	1.00	1	05/27/2026 13:40	WG2761978
1,1,1,2-Tetrachloroethane	U		0.381	1.00	1	05/27/2026 13:40	WG2761978
1,1,2,2-Tetrachloroethane	U		0.354	1.00	1	05/27/2026 13:40	WG2761978
1,1,2-Trichlorotrifluoroethane	U	C3	0.643	1.00	1	05/27/2026 13:40	WG2761978
Tetrachloroethene	U		0.358	1.00	1	05/27/2026 13:40	WG2761978
Toluene	U		0.274	1.00	1	05/27/2026 13:40	WG2761978
1,2,3-Trichlorobenzene	U		0.935	1.00	1	05/27/2026 13:40	WG2761978
1,2,4-Trichlorobenzene	U		0.691	2.00	1	05/27/2026 13:40	WG2761978
1,1,1-Trichloroethane	U		0.336	1.00	1	05/27/2026 13:40	WG2761978
1,1,2-Trichloroethane	U		0.375	1.00	1	05/27/2026 13:40	WG2761978
Trichloroethene	U		0.383	1.00	1	05/27/2026 13:40	WG2761978
Trichlorofluoromethane	U		3.04	5.00	1	05/27/2026 13:40	WG2761978
1,2,3-Trichloropropane	U		0.602	2.50	1	05/27/2026 13:40	WG2761978
1,2,4-Trimethylbenzene	U		0.274	2.00	1	05/27/2026 13:40	WG2761978
1,2,3-Trimethylbenzene	U		0.339	1.00	1	05/27/2026 13:40	WG2761978
1,3,5-Trimethylbenzene	U		0.266	1.00	1	05/27/2026 13:40	WG2761978
Vinyl chloride	U		0.458	1.00	1	05/27/2026 13:40	WG2761978
Xylenes, Total	U		0.319	3.00	1	05/27/2026 13:40	WG2761978
(S) Toluene-d8	*96.3*			*80.0-120*		*05/27/2026 13:40*	WG2761978
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*05/27/2026 13:40*	WG2761978
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/27/2026 13:40*	WG2761978

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	U		95.1	100	1	05/28/2026 15:08	WG2761128
Residual Range Organics (RRO)	U		96.1	250	1	05/28/2026 15:08	WG2761128
(S) o-Terphenyl	*60.9*			*31.0-160*		*05/28/2026 15:08*	WG2761128

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0210	0.0500	1	05/25/2026 03:38	WG2758551
Acenaphthene	U		0.0202	0.0500	1	05/25/2026 03:38	WG2758551
Acenaphthylene	U		0.0221	0.0500	1	05/25/2026 03:38	WG2758551
Benzo(a)anthracene	U		0.0416	0.0500	1	05/25/2026 03:38	WG2758551
Benzo(a)pyrene	U		0.0272	0.0500	1	05/25/2026 03:38	WG2758551
Benzo(b)fluoranthene	U		0.0253	0.0500	1	05/25/2026 03:38	WG2758551
Benzo(g,h,i)perylene	U		0.0335	0.0500	1	05/25/2026 03:38	WG2758551
Benzo(k)fluoranthene	U		0.0254	0.0500	1	05/25/2026 03:38	WG2758551
Chrysene	U		0.0386	0.0500	1	05/25/2026 03:38	WG2758551
Dibenz(a,h)anthracene	U		0.0251	0.0500	1	05/25/2026 03:38	WG2758551
Fluoranthene	U		0.0375	0.0500	1	05/25/2026 03:38	WG2758551
Fluorene	U		0.0212	0.0500	1	05/25/2026 03:38	WG2758551
Indeno(1,2,3-cd)pyrene	U		0.0270	0.0500	1	05/25/2026 03:38	WG2758551
Naphthalene	U		0.236	0.250	1	05/25/2026 03:38	WG2758551
Phenanthrene	U	J4	0.0279	0.0500	1	05/25/2026 03:38	WG2758551
Pyrene	U	J4	0.0416	0.0500	1	05/25/2026 03:38	WG2758551
1-Methylnaphthalene	U		0.138	0.250	1	05/25/2026 03:38	WG2758551

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.168	0.250	1	05/25/2026 03:38	WG2758551
2-Chloronaphthalene	U		0.111	0.250	1	05/25/2026 03:38	WG2758551
(S) 2-Fluorobiphenyl	*115*			*48.0-148*		*05/25/2026 03:38*	WG2758551
(S) p-Terphenyl-d14	*114*			*37.0-146*		*05/25/2026 03:38*	WG2758551
(S) 2-Methylnaphthalene-d10	*109*			*50.0-150*		*05/25/2026 03:38*	WG2758551

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.500	2.00	1	05/28/2026 17:00	WG2758635

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		78.6	100	1	05/28/2026 17:58	WG2762485
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*78.0-120*		*05/28/2026 17:58*	WG2762485

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	46.9	50.0	1	05/27/2026 14:00	WG2761978
Acrolein	U	C3	25.0	50.0	1	05/27/2026 14:00	WG2761978
Acrylonitrile	U	C3	8.09	10.0	1	05/27/2026 14:00	WG2761978
Benzene	U		0.320	1.00	1	05/27/2026 14:00	WG2761978
Bromobenzene	U		0.277	1.00	1	05/27/2026 14:00	WG2761978
Bromodichloromethane	U		0.371	1.00	1	05/27/2026 14:00	WG2761978
Bromoform	U		0.548	1.00	1	05/27/2026 14:00	WG2761978
Bromomethane	U		4.85	5.00	1	05/27/2026 14:00	WG2761978
n-Butylbenzene	U		0.516	1.00	1	05/27/2026 14:00	WG2761978
sec-Butylbenzene	U		0.355	1.00	1	05/27/2026 14:00	WG2761978
tert-Butylbenzene	U		0.314	1.00	1	05/27/2026 14:00	WG2761978
Carbon disulfide	U		0.510	1.00	1	05/27/2026 14:00	WG2761978
Carbon tetrachloride	U		0.360	1.00	1	05/27/2026 14:00	WG2761978
Chlorobenzene	U		0.266	1.00	1	05/27/2026 14:00	WG2761978
Chlorodibromomethane	U		0.398	1.00	1	05/27/2026 14:00	WG2761978
Chloroethane	U		2.79	5.00	1	05/27/2026 14:00	WG2761978
Chloroform	U		1.28	5.00	1	05/27/2026 14:00	WG2761978
Chloromethane	U		1.70	5.00	1	05/27/2026 14:00	WG2761978
2-Chlorotoluene	U		0.273	1.00	1	05/27/2026 14:00	WG2761978
4-Chlorotoluene	U		0.256	1.00	1	05/27/2026 14:00	WG2761978
1,2-Dibromo-3-Chloropropane	U		1.25	5.00	1	05/27/2026 14:00	WG2761978
1,2-Dibromoethane	U		0.341	1.00	1	05/27/2026 14:00	WG2761978
Dibromomethane	U		0.422	1.00	1	05/27/2026 14:00	WG2761978
1,2-Dichlorobenzene	U		0.304	1.00	1	05/27/2026 14:00	WG2761978
1,3-Dichlorobenzene	U		0.282	1.00	1	05/27/2026 14:00	WG2761978
1,4-Dichlorobenzene	U		0.277	1.00	1	05/27/2026 14:00	WG2761978
Dichlorodifluoromethane	U	J4	2.41	5.00	1	05/27/2026 14:00	WG2761978
1,1-Dichloroethane	U		0.389	1.00	1	05/27/2026 14:00	WG2761978
1,2-Dichloroethane	U		0.395	1.00	1	05/27/2026 14:00	WG2761978
1,1-Dichloroethene	U		0.422	1.00	1	05/27/2026 14:00	WG2761978
cis-1,2-Dichloroethene	U		0.323	1.00	1	05/27/2026 14:00	WG2761978
trans-1,2-Dichloroethene	U		0.348	1.00	1	05/27/2026 14:00	WG2761978
1,2-Dichloropropane	U		0.427	1.00	1	05/27/2026 14:00	WG2761978
1,1-Dichloropropene	U		0.359	1.00	1	05/27/2026 14:00	WG2761978
1,3-Dichloropropane	U		0.283	1.00	1	05/27/2026 14:00	WG2761978
cis-1,3-Dichloropropene	U		0.348	1.00	1	05/27/2026 14:00	WG2761978
trans-1,3-Dichloropropene	U		0.313	1.00	1	05/27/2026 14:00	WG2761978
2,2-Dichloropropane	U		0.463	1.00	1	05/27/2026 14:00	WG2761978
Di-isopropyl ether	U		0.105	1.00	1	05/27/2026 14:00	WG2761978
Ethylbenzene	U		0.234	1.00	1	05/27/2026 14:00	WG2761978
Hexachloro-1,3-butadiene	U		0.650	2.00	1	05/27/2026 14:00	WG2761978
Isopropylbenzene	U		0.105	1.00	1	05/27/2026 14:00	WG2761978
p-Isopropyltoluene	U		0.345	1.00	1	05/27/2026 14:00	WG2761978

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Butanone (MEK)	U	C3	9.00	20.0	1	05/27/2026 14:00	WG2761978
Methylene Chloride	U		1.48	5.00	1	05/27/2026 14:00	WG2761978
4-Methyl-2-pentanone (MIBK)	U		7.52	20.0	1	05/27/2026 14:00	WG2761978
Methyl tert-butyl ether	U		0.357	1.00	1	05/27/2026 14:00	WG2761978
Naphthalene	U		2.64	5.00	1	05/27/2026 14:00	WG2761978
n-Propylbenzene	U		0.239	1.00	1	05/27/2026 14:00	WG2761978
Styrene	U		0.342	1.00	1	05/27/2026 14:00	WG2761978
1,1,1,2-Tetrachloroethane	U		0.381	1.00	1	05/27/2026 14:00	WG2761978
1,1,2,2-Tetrachloroethane	U		0.354	1.00	1	05/27/2026 14:00	WG2761978
1,1,2-Trichlorotrifluoroethane	U	C3	0.643	1.00	1	05/27/2026 14:00	WG2761978
Tetrachloroethene	U		0.358	1.00	1	05/27/2026 14:00	WG2761978
Toluene	U		0.274	1.00	1	05/27/2026 14:00	WG2761978
1,2,3-Trichlorobenzene	U		0.935	1.00	1	05/27/2026 14:00	WG2761978
1,2,4-Trichlorobenzene	U		0.691	2.00	1	05/27/2026 14:00	WG2761978
1,1,1-Trichloroethane	U		0.336	1.00	1	05/27/2026 14:00	WG2761978
1,1,2-Trichloroethane	U		0.375	1.00	1	05/27/2026 14:00	WG2761978
Trichloroethene	U		0.383	1.00	1	05/27/2026 14:00	WG2761978
Trichlorofluoromethane	U		3.04	5.00	1	05/27/2026 14:00	WG2761978
1,2,3-Trichloropropane	U		0.602	2.50	1	05/27/2026 14:00	WG2761978
1,2,4-Trimethylbenzene	U		0.274	2.00	1	05/27/2026 14:00	WG2761978
1,2,3-Trimethylbenzene	U		0.339	1.00	1	05/27/2026 14:00	WG2761978
1,3,5-Trimethylbenzene	U		0.266	1.00	1	05/27/2026 14:00	WG2761978
Vinyl chloride	U		0.458	1.00	1	05/27/2026 14:00	WG2761978
Xylenes, Total	U		0.319	3.00	1	05/27/2026 14:00	WG2761978
(S) Toluene-d8	*93.4*			*80.0-120*		*05/27/2026 14:00*	WG2761978
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*05/27/2026 14:00*	WG2761978
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/27/2026 14:00*	WG2761978

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	U		95.1	100	1	05/28/2026 15:29	WG2761128
Residual Range Organics (RRO)	U		96.1	250	1	05/28/2026 15:29	WG2761128
(S) o-Terphenyl	*59.1*			*31.0-160*		*05/28/2026 15:29*	WG2761128

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0210	0.0500	1	05/25/2026 03:58	WG2758551
Acenaphthene	1.49		0.0202	0.0500	1	05/25/2026 03:58	WG2758551
Acenaphthylene	U		0.0221	0.0500	1	05/25/2026 03:58	WG2758551
Benzo(a)anthracene	U		0.0416	0.0500	1	05/25/2026 03:58	WG2758551
Benzo(a)pyrene	U		0.0272	0.0500	1	05/25/2026 03:58	WG2758551
Benzo(b)fluoranthene	U		0.0253	0.0500	1	05/25/2026 03:58	WG2758551
Benzo(g,h,i)perylene	U		0.0335	0.0500	1	05/25/2026 03:58	WG2758551
Benzo(k)fluoranthene	U		0.0254	0.0500	1	05/25/2026 03:58	WG2758551
Chrysene	U		0.0386	0.0500	1	05/25/2026 03:58	WG2758551
Dibenz(a,h)anthracene	U		0.0251	0.0500	1	05/25/2026 03:58	WG2758551
Fluoranthene	U		0.0375	0.0500	1	05/25/2026 03:58	WG2758551
Fluorene	0.0645		0.0212	0.0500	1	05/25/2026 03:58	WG2758551
Indeno(1,2,3-cd)pyrene	U		0.0270	0.0500	1	05/25/2026 03:58	WG2758551
Naphthalene	0.669		0.236	0.250	1	05/25/2026 03:58	WG2758551
Phenanthrene	U	J4	0.0279	0.0500	1	05/25/2026 03:58	WG2758551
Pyrene	U	J4	0.0416	0.0500	1	05/25/2026 03:58	WG2758551
1-Methylnaphthalene	U		0.138	0.250	1	05/25/2026 03:58	WG2758551

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.168	0.250	1	05/25/2026 03:58	WG2758551
2-Chloronaphthalene	U		0.111	0.250	1	05/25/2026 03:58	WG2758551
(S) 2-Fluorobiphenyl	*116*			*48.0-148*		*05/25/2026 03:58*	WG2758551
(S) p-Terphenyl-d14	*124*			*37.0-146*		*05/25/2026 03:58*	WG2758551
(S) 2-Methylnaphthalene-d10	*113*			*50.0-150*		*05/25/2026 03:58*	WG2758551

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	C3	46.9	50.0	1	05/27/2026 11:07	WG2761978
Acrolein	U	C3	25.0	50.0	1	05/27/2026 11:07	WG2761978
Acrylonitrile	U	C3	8.09	10.0	1	05/27/2026 11:07	WG2761978
Benzene	U		0.320	1.00	1	05/27/2026 11:07	WG2761978
Bromobenzene	U		0.277	1.00	1	05/27/2026 11:07	WG2761978
Bromodichloromethane	U		0.371	1.00	1	05/27/2026 11:07	WG2761978
Bromoform	U		0.548	1.00	1	05/27/2026 11:07	WG2761978
Bromomethane	U		4.85	5.00	1	05/27/2026 11:07	WG2761978
n-Butylbenzene	U		0.516	1.00	1	05/27/2026 11:07	WG2761978
sec-Butylbenzene	U		0.355	1.00	1	05/27/2026 11:07	WG2761978
tert-Butylbenzene	U		0.314	1.00	1	05/27/2026 11:07	WG2761978
Carbon disulfide	U		0.510	1.00	1	05/27/2026 11:07	WG2761978
Carbon tetrachloride	U		0.360	1.00	1	05/27/2026 11:07	WG2761978
Chlorobenzene	U		0.266	1.00	1	05/27/2026 11:07	WG2761978
Chlorodibromomethane	U		0.398	1.00	1	05/27/2026 11:07	WG2761978
Chloroethane	U		2.79	5.00	1	05/27/2026 11:07	WG2761978
Chloroform	U		1.28	5.00	1	05/27/2026 11:07	WG2761978
Chloromethane	U		1.70	5.00	1	05/27/2026 11:07	WG2761978
2-Chlorotoluene	U		0.273	1.00	1	05/27/2026 11:07	WG2761978
4-Chlorotoluene	U		0.256	1.00	1	05/27/2026 11:07	WG2761978
1,2-Dibromo-3-Chloropropane	U		1.25	5.00	1	05/27/2026 11:07	WG2761978
1,2-Dibromoethane	U		0.341	1.00	1	05/27/2026 11:07	WG2761978
Dibromomethane	U		0.422	1.00	1	05/27/2026 11:07	WG2761978
1,2-Dichlorobenzene	U		0.304	1.00	1	05/27/2026 11:07	WG2761978
1,3-Dichlorobenzene	U		0.282	1.00	1	05/27/2026 11:07	WG2761978
1,4-Dichlorobenzene	U		0.277	1.00	1	05/27/2026 11:07	WG2761978
Dichlorodifluoromethane	U	J4	2.41	5.00	1	05/27/2026 11:07	WG2761978
1,1-Dichloroethane	U		0.389	1.00	1	05/27/2026 11:07	WG2761978
1,2-Dichloroethane	U		0.395	1.00	1	05/27/2026 11:07	WG2761978
1,1-Dichloroethene	U		0.422	1.00	1	05/27/2026 11:07	WG2761978
cis-1,2-Dichloroethene	U		0.323	1.00	1	05/27/2026 11:07	WG2761978
trans-1,2-Dichloroethene	U		0.348	1.00	1	05/27/2026 11:07	WG2761978
1,2-Dichloropropane	U		0.427	1.00	1	05/27/2026 11:07	WG2761978
1,1-Dichloropropene	U		0.359	1.00	1	05/27/2026 11:07	WG2761978
1,3-Dichloropropane	U		0.283	1.00	1	05/27/2026 11:07	WG2761978
cis-1,3-Dichloropropene	U		0.348	1.00	1	05/27/2026 11:07	WG2761978
trans-1,3-Dichloropropene	U		0.313	1.00	1	05/27/2026 11:07	WG2761978
2,2-Dichloropropane	U		0.463	1.00	1	05/27/2026 11:07	WG2761978
Di-isopropyl ether	U		0.105	1.00	1	05/27/2026 11:07	WG2761978
Ethylbenzene	U		0.234	1.00	1	05/27/2026 11:07	WG2761978
Hexachloro-1,3-butadiene	U		0.650	2.00	1	05/27/2026 11:07	WG2761978
Isopropylbenzene	U		0.105	1.00	1	05/27/2026 11:07	WG2761978
p-Isopropyltoluene	U		0.345	1.00	1	05/27/2026 11:07	WG2761978
2-Butanone (MEK)	U	C3	9.00	20.0	1	05/27/2026 11:07	WG2761978
Methylene Chloride	U		1.48	5.00	1	05/27/2026 11:07	WG2761978
4-Methyl-2-pentanone (MIBK)	U		7.52	20.0	1	05/27/2026 11:07	WG2761978
Methyl tert-butyl ether	U		0.357	1.00	1	05/27/2026 11:07	WG2761978
Naphthalene	U		2.64	5.00	1	05/27/2026 11:07	WG2761978
n-Propylbenzene	U		0.239	1.00	1	05/27/2026 11:07	WG2761978
Styrene	U		0.342	1.00	1	05/27/2026 11:07	WG2761978
1,1,1,2-Tetrachloroethane	U		0.381	1.00	1	05/27/2026 11:07	WG2761978
1,1,2,2-Tetrachloroethane	U		0.354	1.00	1	05/27/2026 11:07	WG2761978
1,1,2-Trichlorotrifluoroethane	U	C3	0.643	1.00	1	05/27/2026 11:07	WG2761978
Tetrachloroethene	U		0.358	1.00	1	05/27/2026 11:07	WG2761978
Toluene	U		0.274	1.00	1	05/27/2026 11:07	WG2761978
1,2,3-Trichlorobenzene	U		0.935	1.00	1	05/27/2026 11:07	WG2761978

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,4-Trichlorobenzene	U		0.691	2.00	1	05/27/2026 11:07	WG2761978
1,1,1-Trichloroethane	U		0.336	1.00	1	05/27/2026 11:07	WG2761978
1,1,2-Trichloroethane	U		0.375	1.00	1	05/27/2026 11:07	WG2761978
Trichloroethene	U		0.383	1.00	1	05/27/2026 11:07	WG2761978
Trichlorofluoromethane	U		3.04	5.00	1	05/27/2026 11:07	WG2761978
1,2,3-Trichloropropane	U		0.602	2.50	1	05/27/2026 11:07	WG2761978
1,2,4-Trimethylbenzene	U		0.274	2.00	1	05/27/2026 11:07	WG2761978
1,2,3-Trimethylbenzene	U		0.339	1.00	1	05/27/2026 11:07	WG2761978
1,3,5-Trimethylbenzene	U		0.266	1.00	1	05/27/2026 11:07	WG2761978
Vinyl chloride	U		0.458	1.00	1	05/27/2026 11:07	WG2761978
Xylenes, Total	U		0.319	3.00	1	05/27/2026 11:07	WG2761978
(S) Toluene-d8	*95.6*			*80.0-120*		*05/27/2026 11:07*	WG2761978
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*05/27/2026 11:07*	WG2761978
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/27/2026 11:07*	WG2761978

Method Blank (MB)

(MB) R4379847-1 05/28/26 00:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Lead,Dissolved	U		0.500	2.00

Laboratory Control Sample (LCS)

(LCS) R4379847-2 05/28/26 00:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Lead,Dissolved	50.0	46.5	93.1	80.0-120	

L1976370-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1976370-01 05/28/26 00:43 • (MS) R4379847-4 05/28/26 00:49 • (MSD) R4379847-5 05/28/26 00:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead,Dissolved	50.0	U	46.2	45.2	92.3	90.3	1	75.0-125			2.21	20

Method Blank (MB)

(MB) R4379820-3 05/22/26 01:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		78.6	100
(S) a,a,a-Trifluorotoluene(FID)	*106*			*78.0-120*

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

(LCS) R4379820-1 05/22/26 00:37 • (LCSD) R4379820-2 05/22/26 00:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5000	5380	5740	108	115	70.0-124			6.47	20
(S) a,a,a-Trifluorotoluene(FID)				*115*	*115*	*78.0-120*				

Method Blank (MB)

(MB) R4380375-2 05/28/26 13:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		78.6	100
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*78.0-120*

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

(LCS) R4380375-1 05/28/26 12:11 • (LCSD) R4380375-3 05/28/26 14:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5000	5030	5960	101	119	70.0-124			16.9	20
(S) a,a,a-Trifluorotoluene(FID)				*95.9*	*98.4*	*78.0-120*				

Method Blank (MB)

(MB) R4379386-2 05/27/26 10:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		46.9	50.0
Acrolein	U		25.0	50.0
Acrylonitrile	U		8.09	10.0
Benzene	U		0.320	1.00
Bromobenzene	U		0.277	1.00
Bromodichloromethane	U		0.371	1.00
Bromoform	U		0.548	1.00
Bromomethane	U		4.85	5.00
n-Butylbenzene	U		0.516	1.00
sec-Butylbenzene	U		0.355	1.00
tert-Butylbenzene	U		0.314	1.00
Carbon disulfide	U		0.510	1.00
Carbon tetrachloride	U		0.360	1.00
Chlorobenzene	U		0.266	1.00
Chlorodibromomethane	U		0.398	1.00
Chloroethane	U		2.79	5.00
Chloroform	U		1.28	5.00
Chloromethane	U		1.70	5.00
2-Chlorotoluene	U		0.273	1.00
4-Chlorotoluene	U		0.256	1.00
1,2-Dibromo-3-Chloropropane	U		1.25	5.00
1,2-Dibromoethane	U		0.341	1.00
Dibromomethane	U		0.422	1.00
1,2-Dichlorobenzene	U		0.304	1.00
1,3-Dichlorobenzene	U		0.282	1.00
1,4-Dichlorobenzene	U		0.277	1.00
Dichlorodifluoromethane	U		2.41	5.00
1,1-Dichloroethane	U		0.389	1.00
1,2-Dichloroethane	U		0.395	1.00
1,1-Dichloroethene	U		0.422	1.00
cis-1,2-Dichloroethene	U		0.323	1.00
trans-1,2-Dichloroethene	U		0.348	1.00
1,2-Dichloropropane	U		0.427	1.00
1,1-Dichloropropene	U		0.359	1.00
1,3-Dichloropropane	U		0.283	1.00
cis-1,3-Dichloropropene	U		0.348	1.00
trans-1,3-Dichloropropene	U		0.313	1.00
2,2-Dichloropropane	U		0.463	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.234	1.00

Method Blank (MB)

(MB) R4379386-2 05/27/26 10:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.650	2.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.345	1.00
2-Butanone (MEK)	U		9.00	20.0
Methylene Chloride	U		1.48	5.00
4-Methyl-2-pentanone (MIBK)	U		7.52	20.0
Methyl tert-butyl ether	U		0.357	1.00
Naphthalene	U		2.64	5.00
n-Propylbenzene	U		0.239	1.00
Styrene	U		0.342	1.00
1,1,1,2-Tetrachloroethane	U		0.381	1.00
1,1,2,2-Tetrachloroethane	U		0.354	1.00
1,1,2-Trichlorotrifluoroethane	U		0.643	1.00
Tetrachloroethene	U		0.358	1.00
Toluene	U		0.274	1.00
1,2,3-Trichlorobenzene	U		0.935	1.00
1,2,4-Trichlorobenzene	U		0.691	2.00
1,1,1-Trichloroethane	U		0.336	1.00
1,1,2-Trichloroethane	U		0.375	1.00
Trichloroethene	U		0.383	1.00
Trichlorofluoromethane	U		3.04	5.00
1,2,3-Trichloropropane	U		0.602	2.50
1,2,4-Trimethylbenzene	U		0.274	2.00
1,2,3-Trimethylbenzene	U		0.339	1.00
1,3,5-Trimethylbenzene	U		0.266	1.00
Vinyl chloride	U		0.458	1.00
Xylenes, Total	U		0.319	3.00
(S) Toluene-d8	*96.5*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4379386-1 05/27/26 09:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	50.0	24.4	48.8	19.0-160	J
Acrolein	50.0	16.1	32.2	10.0-160	J
Acrylonitrile	50.0	35.4	70.8	55.0-149	

Laboratory Control Sample (LCS)

(LCS) R4379386-1 05/27/26 09:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	10.0	9.88	98.8	70.0-123	
Bromobenzene	10.0	10.1	101	73.0-121	
Bromodichloromethane	10.0	10.3	103	75.0-120	
Bromoform	10.0	10.4	104	68.0-132	
Bromomethane	10.0	9.21	92.1	10.0-160	
n-Butylbenzene	10.0	10.4	104	73.0-125	
sec-Butylbenzene	10.0	10.6	106	75.0-125	
tert-Butylbenzene	10.0	10.0	100	76.0-124	
Carbon disulfide	10.0	12.2	122	61.0-128	
Carbon tetrachloride	10.0	11.4	114	68.0-126	
Chlorobenzene	10.0	9.96	99.6	80.0-121	
Chlorodibromomethane	10.0	10.6	106	77.0-125	
Chloroethane	10.0	8.68	86.8	47.0-150	
Chloroform	10.0	11.2	112	73.0-120	
Chloromethane	10.0	9.82	98.2	41.0-142	
2-Chlorotoluene	10.0	10.5	105	76.0-123	
4-Chlorotoluene	10.0	10.2	102	75.0-122	
1,2-Dibromo-3-Chloropropane	10.0	8.49	84.9	58.0-134	
1,2-Dibromoethane	10.0	9.49	94.9	80.0-122	
Dibromomethane	10.0	9.79	97.9	80.0-120	
1,2-Dichlorobenzene	10.0	10.5	105	79.0-121	
1,3-Dichlorobenzene	10.0	10.4	104	79.0-120	
1,4-Dichlorobenzene	10.0	10.6	106	79.0-120	
Dichlorodifluoromethane	10.0	16.0	160	51.0-149	J4
1,1-Dichloroethane	10.0	10.6	106	70.0-126	
1,2-Dichloroethane	10.0	9.77	97.7	70.0-128	
1,1-Dichloroethene	10.0	11.3	113	71.0-124	
cis-1,2-Dichloroethene	10.0	10.4	104	73.0-120	
trans-1,2-Dichloroethene	10.0	10.9	109	73.0-120	
1,2-Dichloropropane	10.0	8.75	87.5	77.0-125	
1,1-Dichloropropene	10.0	10.9	109	74.0-126	
1,3-Dichloropropane	10.0	9.60	96.0	80.0-120	
cis-1,3-Dichloropropene	10.0	9.28	92.8	80.0-123	
trans-1,3-Dichloropropene	10.0	9.96	99.6	78.0-124	
2,2-Dichloropropane	10.0	9.61	96.1	58.0-130	
Di-isopropyl ether	10.0	9.06	90.6	58.0-138	
Ethylbenzene	10.0	10.1	101	79.0-123	
Hexachloro-1,3-butadiene	10.0	10.6	106	54.0-138	
Isopropylbenzene	10.0	10.5	105	76.0-127	
p-Isopropyltoluene	10.0	10.5	105	76.0-125	

Laboratory Control Sample (LCS)

(LCS) R4379386-1 05/27/26 09:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Butanone (MEK)	50.0	25.8	51.6	44.0-160	
Methylene Chloride	10.0	11.2	112	67.0-120	
4-Methyl-2-pentanone (MIBK)	50.0	40.0	80.0	68.0-142	
Methyl tert-butyl ether	10.0	8.16	81.6	68.0-125	
Naphthalene	10.0	8.33	83.3	54.0-135	
n-Propylbenzene	10.0	10.3	103	77.0-124	
Styrene	10.0	9.63	96.3	73.0-130	
1,1,1,2-Tetrachloroethane	10.0	11.2	112	75.0-125	
1,1,2,2-Tetrachloroethane	10.0	10.6	106	65.0-130	
1,1,2-Trichlorotrifluoroethane	10.0	7.88	78.8	69.0-132	
Tetrachloroethene	10.0	10.5	105	72.0-132	
Toluene	10.0	10.4	104	79.0-120	
1,2,3-Trichlorobenzene	10.0	9.45	94.5	50.0-138	
1,2,4-Trichlorobenzene	10.0	8.81	88.1	57.0-137	
1,1,1-Trichloroethane	10.0	10.8	108	73.0-124	
1,1,2-Trichloroethane	10.0	9.87	98.7	80.0-120	
Trichloroethene	10.0	9.95	99.5	78.0-124	
Trichlorofluoromethane	10.0	11.0	110	59.0-147	
1,2,3-Trichloropropane	10.0	10.1	101	73.0-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	76.0-121	
1,2,3-Trimethylbenzene	10.0	10.1	101	77.0-120	
1,3,5-Trimethylbenzene	10.0	10.3	103	76.0-122	
Vinyl chloride	10.0	10.3	103	67.0-131	
Xylenes, Total	30.0	30.8	103	79.0-123	
(S) Toluene-d8			*99.4*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R4379683-1 05/28/26 03:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		95.1	100
Residual Range Organics (RRO)	U		96.1	250
(S) o-Terphenyl	*59.5*			*31.0-160*

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

(LCS) R4379683-2 05/28/26 03:39 • (LCSD) R4379683-3 05/28/26 03:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1140	1290	76.0	86.0	50.0-150			12.3	20
(S) o-Terphenyl				*57.0*	*63.5*	*31.0-160*				

Method Blank (MB)

(MB) R4378399-3 05/24/26 21:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0210	0.0500
Acenaphthene	U		0.0202	0.0500
Acenaphthylene	U		0.0221	0.0500
Benzo(a)anthracene	U		0.0416	0.0500
Benzo(a)pyrene	U		0.0272	0.0500
Benzo(b)fluoranthene	U		0.0253	0.0500
Benzo(g,h,i)perylene	U		0.0335	0.0500
Benzo(k)fluoranthene	U		0.0254	0.0500
Chrysene	U		0.0386	0.0500
Dibenz(a,h)anthracene	U		0.0251	0.0500
Fluoranthene	U		0.0375	0.0500
Fluorene	U		0.0212	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0270	0.0500
Naphthalene	U		0.236	0.250
Phenanthrene	U		0.0279	0.0500
Pyrene	U		0.0416	0.0500
1-Methylnaphthalene	U		0.138	0.250
2-Methylnaphthalene	U		0.168	0.250
2-Chloronaphthalene	U		0.111	0.250
(S) 2-Fluorobiphenyl	*114*			*48.0-148*
(S) p-Terphenyl-d14	*120*			*37.0-146*
(S) 2-Methylnaphthalene-d10	*108*			*50.0-150*

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

(LCS) R4378399-1 05/24/26 21:20 • (LCSD) R4378399-2 05/24/26 21:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	2.00	2.29	2.45	115	122	67.0-150			6.75	20
Acenaphthene	2.00	2.27	2.38	114	119	65.0-138			4.73	20
Acenaphthylene	2.00	2.33	2.43	117	122	66.0-140			4.20	20
Benzo(a)anthracene	2.00	2.24	2.30	112	115	61.0-140			2.64	20
Benzo(a)pyrene	2.00	2.12	2.33	106	117	60.0-143			9.44	20
Benzo(b)fluoranthene	2.00	2.25	2.48	112	124	58.0-141			9.73	20
Benzo(g,h,i)perylene	2.00	2.20	2.42	110	121	52.0-153			9.52	20
Benzo(k)fluoranthene	2.00	2.15	2.34	107	117	58.0-148			8.46	20
Chrysene	2.00	2.49	2.60	124	130	64.0-144			4.32	20
Dibenz(a,h)anthracene	2.00	2.04	2.21	102	111	52.0-155			8.00	20
Fluoranthene	2.00	2.35	2.49	117	124	69.0-153			5.79	20

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

(LCS) R4378399-1 05/24/26 21:20 • (LCSD) R4378399-2 05/24/26 21:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	2.00	2.45	2.56	122	128	64.0-136			4.39	20
Indeno(1,2,3-cd)pyrene	2.00	1.95	2.19	97.5	109	54.0-153			11.6	20
Naphthalene	2.00	2.24	2.42	112	121	61.0-137			7.73	20
Phenanthrene	2.00	2.54	2.76	127	138	62.0-137		J4	8.30	20
Pyrene	2.00	2.76	2.91	138	146	60.0-142		J4	5.29	20
1-Methylnaphthalene	2.00	2.32	2.54	116	127	66.0-142			9.05	20
2-Methylnaphthalene	2.00	2.24	2.40	112	120	62.0-136			6.90	20
2-Chloronaphthalene	2.00	2.46	2.56	123	128	64.0-140			3.98	20
(S) 2-Fluorobiphenyl				*123*	*125*	*48.0-148*				
(S) p-Terphenyl-d14				*122*	*126*	*37.0-146*				
(S) 2-Methylnaphthalene-d10				*115*	*121*	*50.0-150*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

F024

State of Oregon Chain of Custody

Agency, Authorized Purchaser or Agent: GSI Water Solutions for ODEQ

Send Lab Report To: Oregon Department of Environmental Quality
Address: 165 E. 7th Avenue, Suite 100, Eugene, OR 97401
Tel. #: 541-321-3687
Email: sarah.kingery@deq.oregon.gov, rernst@gsiws.com, rfowler@gsiws.com

Contract Laboratory Name: Pace Analytical National
Lab Batch #:
Invoice: ODEQ/Business Office, 700 NE Multnomah Street, Suite 600, Portland, OR 97232
Email: DEQEXP@deq.state.or.us

Lab Selection Criteria:
- Proximity (if TAT < 48 hrs)
- Prior work on same project
- Cost (for anticipated analyses)
- Other labs disqualified or unable to perform requested services
- Emergency work

Turn Around Time:
- 10 days (std.)
- 5 days
- 72 hours
- 48 hours
- 24 hours
- Other _____

Project Name: Fomer Sumner Store

Project #: Sumner SSA 2060.023.003

Sampler Name: R Fowler

AB 5/20/26

L1976370

Sample ID#	Collection Date	Collection Time	Matrix	Number of Containers (12, 11)	Sample Preservative: Liquids: HCl	Liquids: HCl	Liquids: HCl	Liquids: NA	Liquids: HNO_3				Requested Analyses: TPH Gasoline by NWTPH-Gx	TPH Diesel by NWTPH-DX with SGC	VOCs (Full List) by EPA 8260D	PAHs by 8270E SIM	Dissolved Pb by EPA 6020B (field filtered)				Comments
PW-1_260518	5/18/26	1205	PW	11									x	x	x	x	x				-01
SW-1_260518		1525	SW	11									x	x	x	x	x				-02
SW-2_260518		1335	SW	11									x	x	x	x	x				-03
SW-3_260518		1435	SW	11									x	x	x	x	x				-04
Dup-1_260518		1000	Water	11									x	x	x	x	x				-05
Trip Blank				X 2									~~x~~ RF	~~x~~	x	~~x~~	~~x~~	RF			-06
															~~x~~ RF	RF					-07 5/20/26

8718 6108 8371

Sample Receipt Checklist

COC Seal Present/Intact:	Y N NP	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N	Condition: NCF OK	
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

AHA 98.40.1.13 # of Containers: 55 # of TB: 2

NOTES: Contact Rick Ernst (503.708.5945, rernst@gsiws.com) or Renee Fowler (503.318.4521, rfowler@gsiws.com) with questions. Include DEQ EDD with final lab report.

Relinquished By: Renee Fowler	Agency/Agent: GSI	Received By: Ava Brewington	Agency/Agent: Pace
Signature: Renee Fowler	Time & Date: 5/19/26 1330	Signature:	Time & Date: 5/20/26 9:15
Relinquished By:	Agency/Agent:	Received By:	Agency/Agent:
Signature:	Time & Date:	Signature:	Time & Date:

Attachment C

Data Validation Report

Data Validation Report

DEQ LUST: Former Sumner Store SSA

June 9, 2026

Prepared by: Mitchell Fargher

GSI Water Solutions, Inc.

GSI Water Solutions, Inc.

650 NE Holladay Street, Suite 900, Portland, OR 97232

Introduction

The data in this abbreviated validation and usability report (U.S. Environmental Protection Agency [EPA] Stage 2A) were reviewed using the guidance presented in the following:

- Project Quality Assurance Project Plan (where required)
- Method Specific Control Limits
- Laboratory Standard Operation Procedures and Control Limits
- EPA's *National Functional Guidelines for Organic Superfund Methods Data Review*, EPA 540-R-20-005, November 2020
- EPA's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006, November 2020
- EPA's *National Functional Guidelines for High Resolution Superfund Methods Data Review*, EPA 542-R-20-007, November 2020

Data that are not qualified meet the data quality objectives specified in the referenced documents and can be used for decision-making purposes. Data qualified as estimated (J/UJ) may be used for decision-making purposes but should be used in conjunction with the reason codes assigned to the qualifier for further context. Data that are rejected (R) should not be used for any decision-making purposes due to significant deviations in quality control requirements.

Sample Delivery Group (SDG) Summary

SDG	Analytical Laboratory	Sample Receipt Date	Lab Report Date
L1976370	Pace Analytical	05/20/2026	06/01/2026

Analytical Methods and Technical Holding Times

Analytical Method	Sample Matrix	Technical Holding Time (4 °C)
EPA 8270E-SIM	Aqueous	7 Days Extraction 40 Days Analysis Post-Extraction
NWTPH-Dx	Aqueous	14 Days Extraction 40 Days Analysis Post-Extraction
NWTPH-Gx	Aqueous	14 Days Extraction 40 Days Analysis Post-Extraction
EPA 8260D	Aqueous	14 Days
EPA 6020B	Aqueous	6 Months

Sample Delivery Group L1976370

SDG L1976370 was composed of a single Pace Analytical report. The section below contains qualifications related to the entirety of the package.

Sample Identification

The following 5 field samples and one trip blank were included in this SDG:

Field Sample ID	Lab Sample ID	Sample Date	Matrix	Sample Type
PW-1_260518	L1976370-01	05/18/26 12:05	Aqueous	Primary
SW-1_260518	L1976370-02	05/18/26 15:25	Aqueous	Primary
SW-2_260518	L1976370-03	05/18/26 13:35	Aqueous	Primary
SW-3_260518	L1976370-04	05/18/26 14:35	Aqueous	Primary
DUP-1_260518	L1976370-05	05/18/26 10:00	Aqueous	Duplicate
TRIP BLANK	L1976370-06	05/18/26 00:00	Aqueous	Trip Blank

Sample Management

Sample Receipt

All sample receipt documentation was complete and correct. Samples were shipped to the laboratory by the client. Custody seals were used and present. The laboratory stated samples were received intact, and the bottle labels agreed with the COC. No other anomalies were noted.

Holding Time/Preservation

The samples were analyzed within the technical holding times and were properly preserved.

Laboratory Quality Assurance/Quality Control (QA/QC)

Initial and Continuing Calibration Verification (ICV/CCV)

Not independently verified during abbreviated Stage 2A validation with access to only the Level 2 lab report. The lab did not flag any sample results having an associated ICV/CCV outside of specified control limits except for:

Batch	Method	Analyte	Reason	Qualifier
WG2761978	EPA 8260D	1,1,2-Trichlorotrifluoroethane	CCV < LCL	UJ
WG2761978	EPA 8260D	2-Butanone (MEK)	CCV < LCL	UJ
WG2761978	EPA 8260D	Acetone	CCV < LCL	UJ
WG2761978	EPA 8260D	Acrolein	CCV < LCL	UJ
WG2761978	EPA 8260D	Acrylonitrile	CCV < LCL	UJ

Method Blanks

Method blanks were performed per lab batch, and no analytes were detected or did not affect qualification of samples.

Reporting Limits

Reporting limits were not verified against project-specific requirements.

Sample Dilutions

Reported sample dilutions were reviewed and detected analytes were reported from a sample analysis with the lowest dilution.

Surrogate Spikes/Labeled Standards

Surrogates or labeled standards were added to field and QC samples as required per the method where applicable. Sample surrogate percent recoveries were within QC acceptance limits, or a greater ratio of surrogates were within QC acceptance limits (example: 2 out of 3 surrogates).

Matrix Spike (MS)/Matrix Spike Duplicates (MSD)

The MS and MSD analyses performed on SDG samples met all QC acceptance criteria for percent recovery and relative percent difference (RPD) where required per the method.

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

An LCS was analyzed for each batch, and all recoveries were within QC acceptance criteria where required per the method. LCS with % recovery greater than the UCL did not affect sample qualification as the associated sample results were non-detect.

Laboratory Duplicates

Laboratory duplicate analyses were analyzed where required and all recoveries were within QC acceptance criteria where required per the method.

Target Compound Identification

All target compound identifications were within validation criteria for relative retention times, characteristic ions, and relative ion abundances where applicable.

Tentatively Identified Compounds (TIC)

No results were reported as TICs as a part of this SDG.

Field QA/QC

Field Duplicates

One field duplicate was collected and analyzed as part of this SDG. All results were within limits.

Equipment Blanks

No equipment blanks were collected and analyzed as part of this SDG, but one field blank was. There were no detections.

Trip Blanks

One trip blank was collected and analyzed as part of this SDG. There were no detections.

SDG Overall Assessment

The data found in this report complied with the data quality objectives as specified. The data, as qualified, are acceptable to use for decision-making purposes. There were no results rejected. Data qualifiers are summarized in the following table (results qualified as U due to being non-detect were not included in the table below):

Field Sample ID	Analyte	Result	Qualifier	Validation Code
PW-1_260518	1,1,2-Trichlorotrifluoroethane	0.643	UJ	CCV
PW-1_260518	2-Butanone (MEK)	9.00	UJ	CCV
PW-1_260518	Acetone	46.9	UJ	CCV
PW-1_260518	Acrolein	25.0	UJ	CCV
PW-1_260518	Acrylonitrile	8.09	UJ	CCV
SW-1_260518	1,1,2-Trichlorotrifluoroethane	0.643	UJ	CCV
SW-1_260518	2-Butanone (MEK)	9.00	UJ	CCV
SW-1_260518	Acetone	46.9	UJ	CCV
SW-1_260518	Acrolein	25.0	UJ	CCV
SW-1_260518	Acrylonitrile	8.09	UJ	CCV
SW-2_260518	1,1,2-Trichlorotrifluoroethane	0.643	UJ	CCV
SW-2_260518	2-Butanone (MEK)	9.00	UJ	CCV
SW-2_260518	Acetone	46.9	UJ	CCV
SW-2_260518	Acrolein	25.0	UJ	CCV
SW-2_260518	Acrylonitrile	8.09	UJ	CCV
SW-3_260518	1,1,2-Trichlorotrifluoroethane	0.643	UJ	CCV
SW-3_260518	2-Butanone (MEK)	9.00	UJ	CCV
SW-3_260518	Acetone	46.9	UJ	CCV
SW-3_260518	Acrolein	25.0	UJ	CCV
SW-3_260518	Acrylonitrile	8.09	UJ	CCV
DUP-1_260518	1,1,2-Trichlorotrifluoroethane	0.643	UJ	CCV
DUP-1_260518	2-Butanone (MEK)	9.00	UJ	CCV
DUP-1_260518	Acetone	46.9	UJ	CCV

DUP-1_260518	Acrolein	25.0	UJ	CCV
DUP-1_260518	Acrylonitrile	8.09	UJ	CCV
TRIP BLANK	1,1,2-Trichlorotrifluoroethane	0.643	UJ	CCV
TRIP BLANK	2-Butanone (MEK)	9.00	UJ	CCV
TRIP BLANK	Acetone	46.9	UJ	CCV
TRIP BLANK	Acrolein	25.0	UJ	CCV
TRIP BLANK	Acrylonitrile	8.09	UJ	CCV

Overall Assessment

The data found in this report complied with the data quality objectives as specified. The data, as qualified, are acceptable to use for decision-making purposes. In total, 517 results were reviewed from one SDG. The overall completeness for this event was 100 percent, as no results were rejected.

Definitions of Qualifiers

The following table lists each potential validation qualifier and its associated definition.

Qualifier	Definition
U	The analyte was not detected and is reported as less than the LOD or as defined by the client. The LOD has been adjusted for any dilution or concentration of the sample.
J	The reported result is an estimated value.
J+	The reported result is an estimated value, but the result may be biased high.
J-	The reported result is an estimated value, but the result may be biased low.
UJ	The analyte was not detected and is reported as less than the LOD or as defined by the client. However, the associated numerical value is approximate.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.
NJ	The analyte has been “tentatively identified” or “presumptively” as present, and the associated numerical value is the estimated concentration in the sample.
R	The sample results (including non-detects) were affected by serious deficiencies in the ability to analyze the sample and to meet published method and project quality control criteria. The presence or absence of the analyte cannot be substantiated by the data provided. Exclusion of the data is recommended.

Definitions of Validation Codes

The following table lists possible validation codes and their associated definitions.

Code	Definition
BRL	Below reporting limit
HTE	Holding time exceeded
INT	Interference
FDP	Field duplicate RPD outside of control limits
LCS	Laboratory control sample/Laboratory control sample duplicate outside of quality control limits
LDP	Laboratory duplicate sample analysis outside of quality control limits
MSD	Matrix spike/Matrix spike duplicate outside of quality control limits
PRF	Professional judgment
SUR	Surrogate/labeled standard outside of quality control limits
MBK	Method blank contamination
TIC	Tentatively identified compound
CCV	Continuing calibration verification analysis outside of quality control limits
FBK	Field blank contamination (Rinse Blank, Trip Blank, etc…)
SPV	Sample preservation outside of quality control limits
TSP	Total Solids < 30%
ERL	Elevated reporting limit (not due to sample preparation dilution)
EMC	Estimated maximum possible concentration (EMPC)

Blank Contamination Actions

The following table lists the standard guidelines (with high-resolution noted in parentheses) for applying qualifiers due to blank contamination.

Blank Result	Sample Result	Action
< RL	< RL	Report at RL & qualify U
	> RL, < 5X (2X) Blank Result	Report at sample result & qualify U
	> RL, < 10X (5X) Blank Result	Report at sample result & qualify J+
	> RL, > 10X (5X) Blank Result	No qualification
> RL	< RL	Report at RL & qualify U
	> RL, < 5X (2X) Blank Result	Report at sample result & qualify U
	> RL, < 10X (5X) Blank Result	Report at sample result & qualify J+
	> RL, > 10X (5X) Blank Result	No qualification